

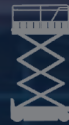
A large industrial facility, possibly a refinery or chemical plant, is shown at night. The structure is complex, with multiple levels, pipes, and scaffolding. It is illuminated by numerous bright, white LED lights, which create a high-contrast scene against the dark sky. The lights are mounted on various parts of the structure, including ladders, platforms, and pipes. The overall impression is one of a well-lit, active industrial environment.

DIALIGHT LED LIGHTING CATALOG

for Industrial and Hazardous Locations - Americas/UL

WHY LIGHTING MATTERS in Industrial Facilities

Lighting is of critical importance in industrial facilities to maximize both safety and productivity. Industrial sites are notorious for harsh conditions that can contribute to premature fixture failure.



Physical hazards and moving objects



High heat and high vibration



Chemical vapors, dust and debris



Noisy, complex heavy machinery



Power surges

TECHNOLOGY DIFFERENTIATION

When choosing an LED Lighting partner, consider how their products are engineered, constructed and tested prior to making your decision. Most Dialight products are engineered to a **10 year warranty** and were designed with harsh environments in mind.

CUSTOM POWER SUPPLIES

Long-life potted drivers with optimized thermal dissipation for protection against environmental contaminants and vibration related failures.

LOW MAINTENANCE MECHANICAL DESIGN

Sealed and optimized to reduce or eliminate the need for maintenance over the life of the fixture. Easy to install and retrofit to existing infrastructure.

LATEST LEDS AND ADVANCED OPTICS

Highly efficient, crisp, low-glare illumination. Lighting where you need it, not where you don't.

INTELLIGENT CONTROLS

Flexibility to group, dim and schedule lights around the unique needs of a facility to maximize energy savings. Plus, seamless integration with existing factory automation.

Hazardous Locations Ratings

Fixed and portable fixtures for installation and use in hazardous (classified) locations Class I, Divisions 1 and 2, Groups A, B, C, and D; Class II, Division 1, Groups E, F, and G; Class II, Division 2, Groups F and G; and Class III, Divisions 1 and 2, in accordance with the National Electrical Code, NFPA 70

Classes

The classes define the general nature of hazardous material in the surrounding atmosphere.

Class	Hazardous Material in Surrounding Atmosphere
Class I	Hazardous because flammable gases or vapors are present in the air in quantities sufficient to produce explosive or ignitable mixtures
Class II	Hazardous because combustible or conductive dusts are present
Class III	Hazardous because ignitable fibers or flying's are present, but not likely to be in suspension in sufficient quantities to produce ignitable mixtures. Typical wood chips, cotton, flax and nylon. Group classifications are not applied to this class

Divisions

The division defines the probability of hazardous material being present in an ignitable concentration in the surrounding atmosphere.

Division	Presence of Hazardous Material
Division 1	The substance referred to by class is present during normal conditions
Division 2	The substance referred to by class is present only in abnormal conditions, such as a container failure or system breakdown

Groups

The group defines the hazardous material in the surrounding atmosphere.

Group	Hazardous Material in Surrounding Atmosphere
Group A	Acetylene
Group B	Hydrogen, fuel and combustible process gases containing more than 30% hydrogen by volume or gases of equivalent hazard such as butadiene, ethylene, oxide, propylene oxide and acrolein
Group C	Carbon monoxide, ether, hydrogen sulfide, morphine, cyclopropane, ethyl and ethylene or gases of equivalent hazard
Group D	Gasoline, acetone, ammonia, benzene, butane, cyclopropane, ethanol, hexane, methanol, methane, vinyl chloride, natural gas, naphtha, propane or gases of equivalent hazard
Group E	Combustible metal dusts, including aluminum, magnesium and their commercial alloys or other combustible dusts whose particle size, abrasiveness and conductivity present similar hazards in connection with electrical equipment
Group F	Carbonaceous dusts, carbon black, coal black, charcoal, coal or coke dusts that have more than 8% total entrapped volatiles or dusts that have been sensitized by other material so they present an explosion hazard
Group G	Flour dust, grain dust, flour, starch, sugar, wood, plastic and chemicals

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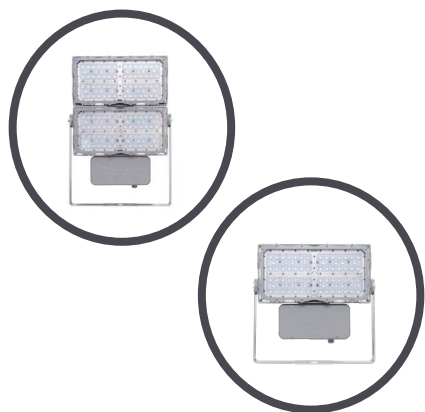
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ProSite LED Lighting Fixture for Industrial Applications



LED Floodlight

Wattage Range:

81-499W

Lumen Output:

12,500-65,000lm

Lumens per Watt:

Up to 165

Input Voltage:

120-277 VAC / 120-250 VDC

347-480 VAC



LED High Mast

Wattage Range:

234-499W

Lumen Output:

36,000-65,000lm

Lumens per Watt:

Up to 160

Input Voltage:

120-277 VAC / 120-250 VDC

347-480 VAC

Reliant™ LED Lighting Fixture for Industrial Applications



LED High Bay

Wattage Range:

183-487W

Lumen Output:

18,000-72,000lm

Lumens per Watt:

129-160

Input Voltage:

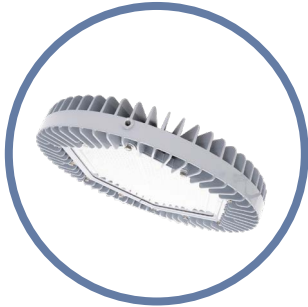
100-277 VAC

347-480 VAC

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Vigilant® LED Lighting Fixtures

for Industrial Applications



LED High Bay

Wattage Range:	80-186W
Lumen Output Range:	11,000-43,000lm
Lumens per Watt:	Up to 200lm/W
Input Voltage:	100-277 VAC 120-250 VDC 347/480 VAC



LED High Bay - Passive Power Supply

Wattage Range:	73-206W
Lumen Output:	9,750-27,000lm
Lumens per Watt:	101-131
Input Voltage:	347 VAC or 480 VAC



LED Low Bay

Wattage Range:	42-154W
Lumen Output:	4,000-16,500lm
Lumens per Watt:	Up to 148lm/W
Input Voltage:	100-277 VAC 120-250 VDC 347/480 VAC



LED High Output High Bay - Low Profile

Wattage Range:	300-506W
Lumen Output:	Up to 72,000lm
Lumens per Watt:	Up to 155 lm/W
Input Voltage:	120-277 VAC, 347/480 VAC



LED Area Light

Wattage Range:	24W-66W
Lumen Output Range:	2,800-9,000lm
Lumens per Watt:	106-143
Input Voltage:	100-277 VAC, 120-250 VDC

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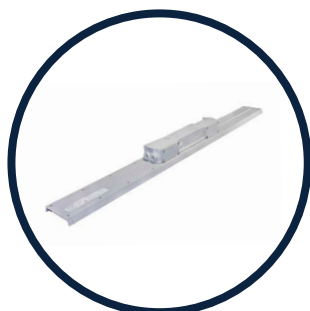
DuroSite® LED Lighting Fixtures

for Industrial Applications



LED Area Light

Wattage Range:	21W-85W
Lumen Output Range:	2,200-7,500lm
Lumens per Watt:	75-111
Input Voltage:	347/480 VAC



LED Linear - Low Profile

Wattage Range:	29W/60W
Lumen Output Range:	3,300-7,900lm
Lumens per Watt:	112-133
Input Voltage:	100-277 VAC



LED Linear - Top Conduit

Wattage Range:	29W/60W
Lumen Output Range:	3,300-7,900lm
Lumens per Watt:	112-133
Input Voltage:	100-277 VAC



LED Linear - Battery Backup

Wattage Range:	85W
Lumen Output Range:	7,000lm
Lumens per Watt:	82
Input Voltage:	120-277 VAC

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DuroSite® LED Lighting Fixtures

for Industrial Applications

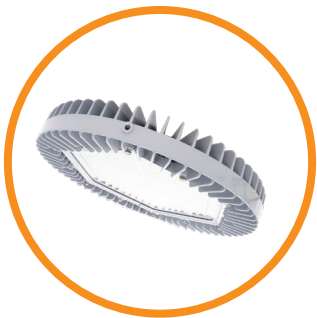


LED RTO Area Light

Wattage Range:	8W
Lumen Output Range:	470-800lm
Lumens per Watt:	59-100
Input Voltage:	100-277 VAC 24-48 VDC

SafeSite® LED Lighting Fixtures

for Hazardous Applications



LED High Bay

Wattage Range:	80-186W
Lumen Output Range:	11,000-41,300lm
Lumens per Watt:	Up to 200lm/W
Input Voltage:	100-277 VAC, 120-250 VDC 347-480 VAC



LED High Bay - Passive Power Supply

Wattage Range:	73-206W
Lumen Output:	11,250-27,000lm
Lumens per Watt:	123-154
Input Voltage:	347 VAC or 480 VAC



LED Low Bay

Wattage Range:	42-154W
Lumen Output:	4,000-16,800lm
Lumens per Watt:	Up to 148lm/W
Input Voltage:	100-277 VAC 120-250 VDC 347/480 VAC

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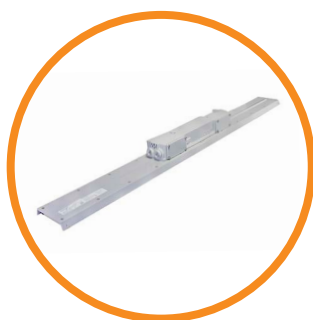
SafeSite® LED Lighting Fixtures

for Hazardous Applications



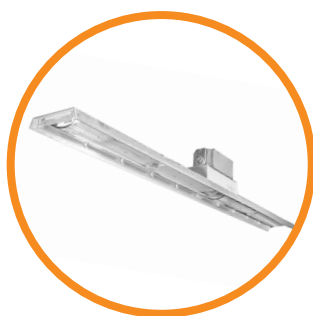
LED Area Light

Wattage Range:	21-85W
Lumen Output Range:	2,200-9,000lm
Lumens per Watt:	75-145
Input Voltage:	100-277 VAC, 120-250 VDC 120-277 VAC - Battery backup 347-480 VAC 24-48 VDC



LED Linear - Low Profile

Wattage Range:	29W/60W
Lumen Output Range:	3,300-7,900lm
Lumens per Watt:	112-133
Input Voltage:	100-277 VAC



LED Linear - Top Conduit

Wattage Range:	29W/60W
Lumen Output Range:	3,300-7,900lm
Lumens per Watt:	112-133
Input Voltage:	100-277 VAC

SafeSite® LED Lighting Fixtures

for Hazardous Applications



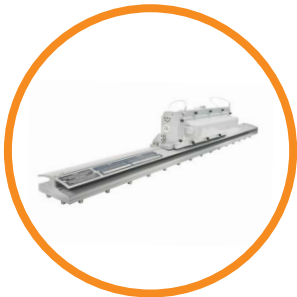
LED Linear - Battery Backup

Wattage Range:	85W
Lumen Output Range:	7,000lm
Lumens per Watt:	82
Input Voltage:	120-277 VAC



LED Linear - Class I, Div. 1

Wattage Range:	34-100W
Lumen Output Range:	3,600-7,250lm
Lumens per Watt:	72-106
Input Voltage:	100-277 VAC 347-480 VAC



LED Linear - Battery Backup

Wattage Range:	85W
Lumen Output Range:	7,250lm
Lumens per Watt:	85
Input Voltage:	120-277 VAC



LED RTO Area Light

Wattage Range:	8W
Lumen Output Range:	470-800lm
Lumens per Watt:	59-100
Input Voltage:	100-277 VAC 24-48 VDC

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StreetSense® LED Lighting Fixtures for Infrastructure Solutions



LED Street Light

Wattage Range:	62-228W
Lumen Output Range:	6,400-23,400lm
Lumens per Watt:	96-110
Input Voltage:	100-277 VAC 347-480 VAC

Obstruction LED Lighting Solutions

FAA Approved Obstruction Lighting Solutions



Vigilant LED Based L-856 / L-864

High Intensity (White/Red) Strobe

Effective Intensity:	White Day - 270,000 cd White Twilight - 20,000 cd White Night - 2,000 cd Red Night - 2,000 cd
Wattage:	White Day - 160W White Twilight - 30W White Night - 23W Red Night - 30W
Input Voltage:	208-277 VAC



Vigilant LED Based L-865 / L-864 (+IR)

Medium Intensity (White/Red) Strobe - Infrared (IR) available

Effective Intensity:	White Day - 20,000 cd White Night - 2,000 cd Red Night - 2,000 cd
Wattage:	White Day - 36W (system = 75W) White Night - 4W (system = 10W) Red Night - 12W (system = 25W)
Input Voltage:	120-240 VAC or +/- 48 VDC

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Obstruction LED Lighting Solutions

FAA Approved Obstruction Lighting Solutions



Vigilant LED Based L-864 (+IR)

Medium Intensity (Red) Beacon - Infrared (IR) available

Effective Intensity: 2,000 cd

Wattage: 3.3W (16.7% duty cycle) - Standard Model
7.0W (16.7% duty cycle) - IR model
20 flashes per minute with 0.5 sec. on time

Input Voltage: 120-240 VAC or 24-48 VDC



Vigilant LED Based L-810 (+IR)

Low Intensity (Red) RTO Side Light - Infrared (IR) available

Effective Intensity: 32.5 cd

Wattage Range: 9.0-1.5W

Input Voltage: 12-48 VDC / 120-240 VAC / 277 VAC



Vigilant LED Based L-810 (+IR)

Low Intensity (Red) RTO Side Light - Infrared (IR) available

Effective Intensity: 32.5 cd

Wattage Range: 24-13W

Input Voltage: 12-48 VDC / 120 VAC / 230 VAC

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ProSite LED Floodlight - UL / CSA

F1 Models

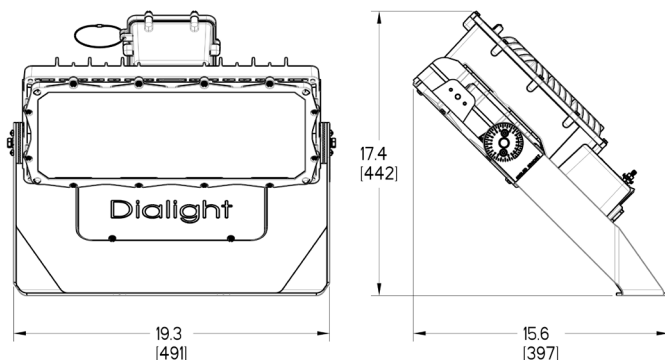


Patent Pending

Certifications & Ratings

- 10 year warranty
- UL 1598/A / CSA C22.2 No. 250.0 / NOM
- UL 844 / CSA C22.2 No. 137
 - Class I, Division 2 (Groups A, B, C, D)
 - Class I, Zone 2 (Groups IIC)
 - Class II, Division 1 (Groups E, F, G) - up to 18k lumen models
 - Class II, Division 2 (Groups F, G)
 - Zone 20, 21 & 22
 - Class III
- IP66/67, NEMA 4X
- ABS
- IK10 (integrated PC optic/lens/lens cover), IK08 (glass lens cover)
- L70 > 150,000 hours @ 25°C ambient
- DLC/DLC Premium - selected models

Angled Bracket



Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature T-Code: T4	Ambient Temperature T-Code: T4A
-40°F to +149°F (-40°C to +65°C)	-40°F to +131°F (-40°C to +55°C)

Mechanical Information:

Fixture weight:	24 - 30 lbs
Shipping weight:	~32 lbs
EPA (sq. ft):	2.00
Mounting:	316 stainless steel straight bracket 316 stainless steel angled bracket Slipfitter bracket
Cable entry:	2 x 3/4" NPT

Electrical Specifications:

Operating voltage:	120-277VAC / 120-250VDC 347-480 VAC
Operating temp:	-40°F to +149°F (-40°C to +65°C)
EMC:	CISPR 15 FCC 47CFR 15 IEC 61000-3-3 IEC 61547 IEC 61000-3-2
Transient protection:	6KV/3KA combination wave, as per IEEE C62.41, line-line and line-ground. 10kV/5kA for non-hazardous models
Optional:	
THD:	< 20%
Power Factor:	> 0.9
Dimming:	Wireless dimming controls via Dialight IntelliLED (optional), DALI 2.0 compatible/ 0-10 VDC (standard)

Power Supply:

ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Housing:	A360 Die-cast aluminum
Hardware:	316 stainless steel
Finish:	Superior epoxy and polyester dual coat finish
Lens:	Integrated PC Optic/Lens, Glass Lens Cover, PC Lens Cover
Vibration:	Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
Shock:	50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:	70 (80 optional)
CCT:	5000K (cool white) 4000K (neutral white) 2700K (warm white) - 80 CRI
Beam pattern:	NEMA 4 NEMA 6 NEMA 7x6 Asymmetric

IES files: Available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

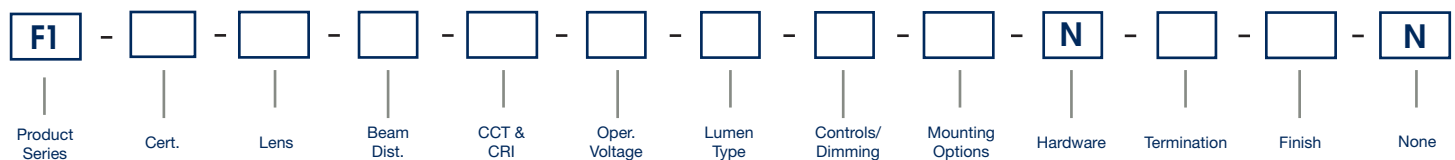
ProSite LED Floodlight - UL / CSA

F1 Models



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information



Product Series F1 ProSite Floodlight F1 Model	CCT & CRI B Cool White 5000K - 70 CRI L Neutral White 4000K - 70 CRI W Warm White 2700K - 80 CRI <small>*Amber options available</small>	Controls/Dimming D 0-10V / DALI J Dialight IntelliLED Wireless Controls 2.4GHz (factory installed) S Receptacle with Shorting Cap (non-hazardous only)	Termination U 6mm ² Terminal Block - Screw Down* V 4mm ² Terminal Block - Push Down <small>*The 6mm² terminals are only for the incoming power connections. The 6mm² terminals are single pole and cannot be used for 'through' wiring. The 6mm² terminals are not available for 347-480V models.</small>
Certification D UL 844 CID2, CIID2, CIII F UL 844 CIID1, CID2, CIID2, CIII (up to 18k lm models) U UL 1598/A / CSA	Operating Voltage 2 120-277VAC / 120-250VDC 5 347-480 VAC 8 120-277VAC / 120-250VDC 10kV surge (non-hazardous only) 9 347-480 VAC 10kV surge (non-hazardous only)	Mounting Options E 316 SS Angled Bracket F 316 SS Straight Bracket S Slipfitter (1-1/4" - 2-3/8" OD)* <small>*For Slipfitter mounting UL844 models are only rated up to CID2 (A, B, C & D)</small>	Finish G Gray (RAL 7040) Z Bronze (RAL 7022)
Lens N Integrated PC Optic/Lens Only 4 PC Lens Cover 7 Glass Lens Cover	Lumen Type B 12,000 Lumens C 18,000 Lumens E 24,000 Lumens F 30,000 Lumens	Hardware N No Option	None N No Options
Beam Distribution 4 NEMA 4 6 NEMA 6 7 NEMA 7x6 F Asymmetric* <small>*For Asymmetric beam distribution either a PC or Glass lens cover must be included</small>			

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Ordering Information

ProSite LED Floodlight - UL / CSA



Industrial - UL 1598 / CSA							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
12,000lm Models							
F1U-N7B2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F1U-N7B5-BDEN-VGN	13,200	84	158	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B5-BDEN-VGN	13,200	84	158	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B5-BDEN-VGN	13,200	84	158	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
18,000lm Models							
F1U-N7B2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F1U-N7B5-CDEN-VGN	19,100	128	149	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B5-CDEN-VGN	19,100	128	149	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B5-CDEN-VGN	19,100	128	149	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
24,000lm Models							
F1U-N7B2-EDEN-VGN	25,000	175	143	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B2-EDEN-VGN	25,000	175	143	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B2-EDEN-VGN	25,000	175	143	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F1U-N7B5-EDEN-VGN	25,000	179	140	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B5-EDEN-VGN	25,000	179	140	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B5-EDEN-VGN	25,000	179	140	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
30,000lm Models							
F1U-N7B2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F1U-N7B5-FDEN-VGN	31,600	237	133	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B5-FDEN-VGN	31,600	237	133	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B5-FDEN-VGN	31,600	237	133	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4

All values typical unless otherwise stated (tolerance +/- 10%).

See ordering information chart for additional options.

Part numbers listed in **bold** are typically available in stock.

Mounting Bracket - Angled Bracket supplied as standard.

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Ordering Information

ProSite LED Floodlight - UL / CSA



Hazardous - UL844 CID2, CIID2, CIII							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
12,000lm Models							
F1D-77B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1D-74B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1D-77B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1D-74B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 4
18,000lm Models							
F1D-77B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1D-74B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1D-77B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1D-74B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 4
24,000lm Models							
F1D-77B2-EDEN-VGN	23,600	175	135	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B2-EDEN-VGN	23,600	175	135	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1D-74B2-EDEN-VGN	23,600	175	135	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1D-77B5-EDEN-VGN	23,600	179	132	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B5-EDEN-VGN	23,600	179	132	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1D-74B5-EDEN-VGN	23,600	179	132	347-480VAC	5000k (cool white)	Glass	NEMA 4
30,000lm Models							
F1D-77B2-FDEN-VGN	29,900	234	128	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B2-FDEN-VGN	29,900	234	128	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1D-74B2-FDEN-VGN	29,900	234	128	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1D-77B5-FDEN-VGN	29,900	237	126	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B5-FDEN-VGN	29,900	237	126	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1D-74B5-FDEN-VGN	29,900	237	126	347-480VAC	5000k (cool white)	Glass	NEMA 4
Hazardous - UL844 CIID1							
12,000lm Models							
F1F-77B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1F-76B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1F-74B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1F-77B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1F-76B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1F-74B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 4
18,000lm Models							
F1F-77B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1F-76B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1F-74B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1F-77B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1F-76B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1F-74B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 4

All values typical unless otherwise stated (tolerance +/- 10%). See previous page notes and warranty information.

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ProSite LED Floodlight - UL / CSA

F2 Models

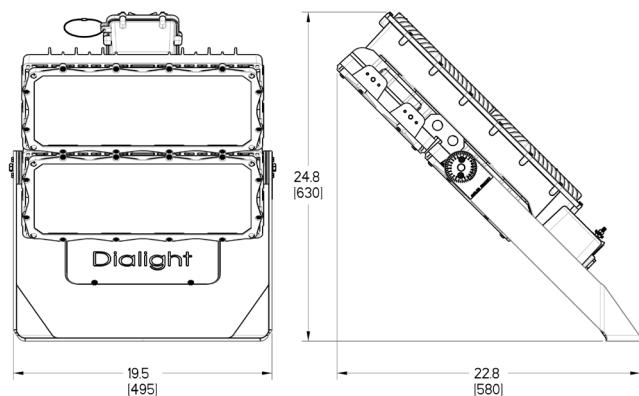


Patent Pending

Certifications & Ratings

- 10 year warranty
- UL 1598/A / CSA C22.2 No. 250.0 / NOM
- UL 844 / CSA C22.2 No. 137
 - Class I, Division 2 (Groups A, B, C, D)
 - Class I, Zone 2 (Groups IIC)
 - Class II, Division 1 (Groups E, F, G) - up to 36k lumen models
 - Class II, Division 2 (Groups F, G)
 - Zone 20, 21 & 22
 - Class III
- IP66/67, NEMA 4X
- ABS
- IK10 (integrated PC optic/lens/lens cover), IK08 (glass lens cover)
- L70 > 150,000 hours @ 25°C ambient
- DLC/DLC Premium - selected models

Angled Bracket



Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature T-Code: T4	Ambient Temperature T-Code: T4A
-40°F to +149°F (-40°C to +65°C)	-40°F to +131°F (-40°C to +55°C)

Mechanical Information:

Fixture weight:	43 - 54 lbs
Shipping weight:	~56 lbs
EPA (sq. ft):	3.33
Mounting: (all with 7.5° tilting increments)	316 stainless steel straight bracket 316 stainless steel angled bracket
Cable entry:	2 x ¾" NPT

Electrical Specifications:

Operating voltage:	120-277VAC / 120-250VDC 347-480 VAC
Operating temp:	-40°F to +149°F (-40°C to +65°C) -40°F to +131°F (-40°C to +55°C) - 60klm
EMC:	CISPR 15 FCC 47CFR 15 IEC 61000-3-3 IEC 61547 IEC 61000-3-2
Transient protection:	6KV/3KA combination wave, as per IEEE C62.41, line-line and line-ground. Optional: 10KV/5kA for non-hazardous models
THD:	< 20%
Power Factor:	> 0.9
Dimming:	Wireless dimming controls via Dialight IntelliLED (up to 36k only), DALI 2.0 compatible / 0-10VDC

Power Supply:

ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Housing:	A360 Die-cast aluminum
Hardware:	316 stainless steel
Finish:	Superior epoxy and polyester dual coat finish
Lens:	Integrated PC Optic/Lens, Glass Lens Cover, PC Lens Cover
Vibration:	Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
Shock:	50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:	70 (80 optional)
CCT:	5000K (cool white) 4000K (neutral white) 2700K (warm white) - 80 CRI

Beam pattern:	NEMA 4 NEMA 6 NEMA 7x6 Asymmetric
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IES files: Available at www.dialight.com

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ProSite LED Floodlight - UL / CSA

F2 Models



Project Information			Specifications		
Part Number:					
Project:					
Fixture Type:		Date:			

Ordering Information

F2	-		-		-		-		-		-	N	-		-		-	N						
Product Series		Cert.		Lens		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls/Dimming		Mounting Options		Hardware		Termination		Finish		None

Product Series F2 ProSite Floodlight F2 Model	CCT & CRI B Cool White 5000K - 70 CRI L Neutral White 4000K - 70 CRI W Warm White 2700K - 80 CRI <small>*Amber options available</small>	Controls/Dimming D 0-10V / DALI as standard J Dialight IntelliLED Wireless Controls 2.4GHz (factory installed and available up to 36klm models) S Receptacle with Shorting Cap (non-hazardous only)	Termination U 6mm ² Terminal Block - Screw Down* V 4mm ² Terminal Block - Push Down <small>*The 6mm² terminals are only for the incoming power connections. The 6mm² terminals are single pole and cannot be used for 'through' wiring. The 6mm² terminals are not available for 347-480V models.</small>
Certification D UL 844 CID2, CIID2, CIII F UL 844 CIID1, CID2, CIID2, CIII (up to 36klm models) U UL 1598/A / CSA	Operating Voltage 2 120-277VAC / 120-250VDC 5 347-480 VAC 8 120-277VAC / 120-250VDC 10kV surge (non-hazardous only) 9 347-480 VAC 10kV surge (non-hazardous only)	Mounting Options E 316 SS Angled Bracket F 316 SS Straight Bracket	Finish G Gray (RAL 7040) Z Bronze (RAL 7022)
Lens N Integrated PC Optic/Lens Only 4 PC Lens Cover 7 Glass Lens Cover	Beam Distribution 4 NEMA 4 6 NEMA 6 7 NEMA 7x6 F Asymmetric <small>*For Asymmetric beam distribution either a PC or Glass lens cover must be included</small>	Lumen Type F 30,000 Lumens H 36,000 Lumens L 48,000 Lumens N 60,000 Lumens	Hardware N No Option
			Battery N No Options

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Ordering Information

ProSite LED Floodlight - UL / CSA



Industrial - UL 1598 / CSA							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
36,000lm Models							
F2U-N7B2-HDEN-VGN	37,500	234	160	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B2-HDEN-VGN	37,500	234	160	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B2-HDEN-VGN	37,500	234	160	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F2U-N7B5-HDEN-VGN	37,500	241	155	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B5-HDEN-VGN	37,500	241	155	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B5-HDEN-VGN	37,500	241	155	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
48,000lm Models							
F2U-N7B8-LDEN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B8-LDEN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B8-LDEN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F2U-N7B9-LDEN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B9-LDEN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B9-LDEN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
60,000lm Models							
F2U-N7B8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB8-NDEN-VGN	60,100	484	124	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F2U-N7B9-NDEN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B9-NDEN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B9-NDEN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB9-NDEN-VGN	60,100	499	120	347-480VAC	5000k (cool white)	Glass	Asymmetric

All values typical unless otherwise stated (tolerance +/- 10%).

See ordering information chart for additional options.

Part numbers listed in **bold** are typically available in stock.

Mounting Bracket - Angled Bracket supplied as standard.

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Ordering Information

ProSite LED Floodlight - UL / CSA



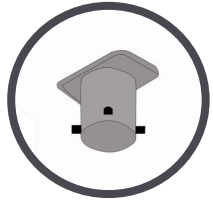
Hazardous - UL844 CID2, CIID2, CIII							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
36,000lm Models							
F2D-77B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F2D-74B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F2D-77B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 6
F2D-74B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 4
48,000lm Models							
F2D-77B2-LDEN-VGN	48,200	346	139	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B2-LDEN-VGN	48,200	346	139	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F2D-74B2-LDEN-VGN	48,200	346	139	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F2D-77B5-LDEN-VGN	48,200	357	135	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B5-LDEN-VGN	48,200	357	135	347-480VAC	5000k (cool white)	Glass	NEMA 6
F2D-74B5-LDEN-VGN	48,200	357	135	347-480VAC	5000k (cool white)	Glass	NEMA 4
60,000lm Models							
F2D-77B2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F2D-74B2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F2D-77B5-NDEN-VGN	61,400	499	123	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B5-NDEN-VGN	61,400	499	123	347-480VAC	5000k (cool white)	Glass	NEMA 6
F2D-74B5-NDEN-VGN	61,400	499	123	347-480VAC	5000k (cool white)	Glass	NEMA 4
F2D-77B5-NDEN-VGN	60,100	499	120	347-480VAC	5000k (cool white)	Glass	Asymmetric
Hazardous - UL844 CIID1							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
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F2F-76B2-FDEN-VGN	30,200	200	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F2F-74B2-FDEN-VGN	30,200	200	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F2F-77B5-FDEN-VGN	30,200	206	147	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F2F-76B5-FDEN-VGN	30,200	206	147	347-480VAC	5000k (cool white)	Glass	NEMA 6
F2F-74B5-FDEN-VGN	30,200	206	147	347-480VAC	5000k (cool white)	Glass	NEMA 4
36,000lm Models							
F2F-77B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F2F-76B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F2F-74B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F2F-77B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F2F-76B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 6
F2F-74B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 4

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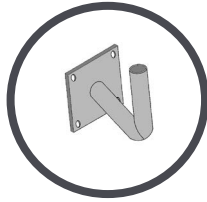
Accessories

Mounting Accessories - Gray



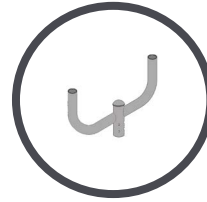
FLX-1TPT-20LG¹

- Tenon pole topper, 2-3/8" mount
- Kit includes: Tenon topper, pole set screws



FLX-1RAB-20LG

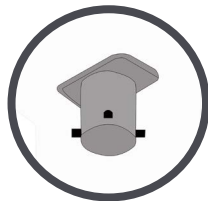
- Right angle mounting bracket for 2-3/8" light mount
- Kit includes: Right angle bracket



FLX-2LBH-20LG

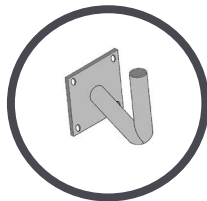
- Bull horn for 2 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws

Mounting Accessories - Bronze



FLX-1TPT-20DB¹

- Tenon pole topper, 2-3/8" mount
- Kit includes: Tenon topper, pole set screws



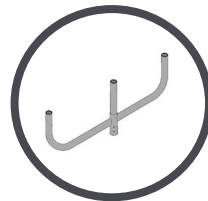
FLX-1RAB-20DB

- Right angle mounting bracket for 2-3/8" light mount
- Kit includes: Right angle bracket



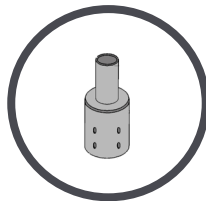
FLX-2LBH-20DB

- Bull horn for 2 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws



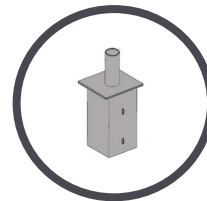
FLX-3LBH-20DB

- Bull horn for 3 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws



FLX-3RPA-20DB FLX-4RPA-20DB

- Reducer for 3" or 4" OD round pole top to 2-3/8" light mount
- Kit includes: Reducer pole set screws



FLX-4SPA-20DB FLX-5SPA-20DB FLX-6SPA-20DB

- Internal tenon adapter for 4", 5" or 6" square pole top to 2-3/8" light mount
- Kit includes: Adapter

Mounting accessories shown above are painted steel construction.

Accessories



F1NVISOR

- F1 visor NEMA optics



F2NVISOR

- F2 visor NEMA optics



F2AVISOR

- F2 visor asymmetric optics

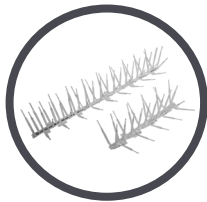


H6XCAB72²

- 72" stainless steel safety rope
- Kit includes: (1) cable

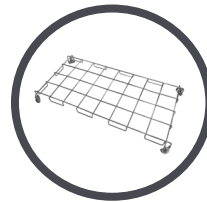
H6XCAB60²

- 60" stainless steel safety rope
- Kit includes: (1) cable



F1SPIKES F2SPIKES

- Bird spikes



FLWG

- Wire guard
- Kit includes (1) assembly

¹Brackets and adapters require the tenon pole topper (FLX-1TPT-20DB/LG) to mount floodlight. Tenon pole topper sold separately.

²F1 models require 1 cable per unit. F2 models require 2 cables per unit.

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Accessories & Beam Distribution

Replacements



SLPC01R

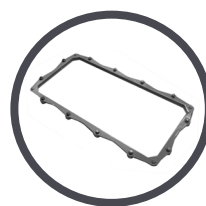
- Photocell, 105-305 VAC

SLPC02R

- Photocell, 312-382 VAC

SLPC03R

- Photocell, 432-528 VAC



FLGLASSLG

- Glass lens, gray

FLGLASSLZ

- Glass lens, bronze

FLPCLG

- Polycarb lens, gray

FLPCLZ

- Polycarb lens, bronze

- Kit includes (1) assembly



FLWIRELESS

- Wireless controls card



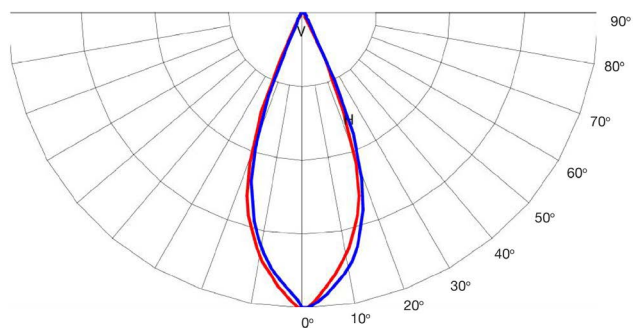
FL10KV277

- 10kV surge protection
100-277V

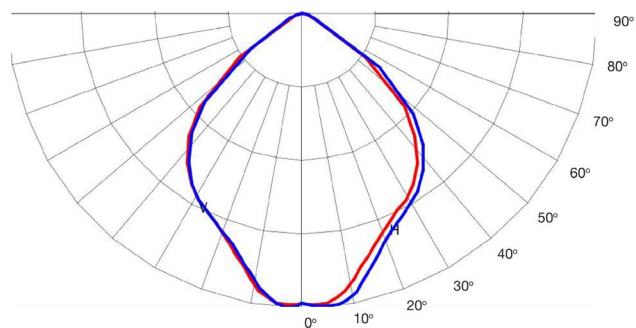
FL10KV480

- 10kV surge protection
347-480V

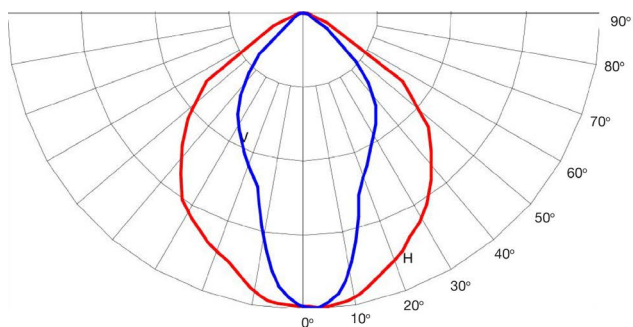
NEMA 4



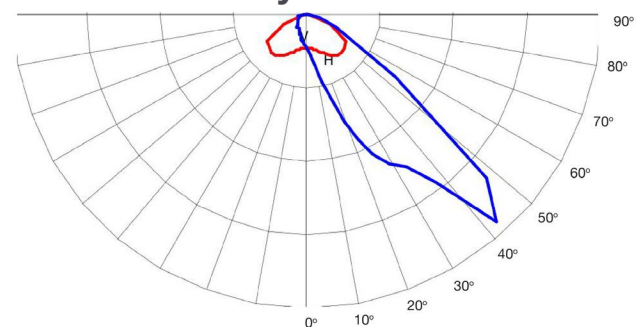
NEMA 6



NEMA 7x6



Asymmetric



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ProSite LED High Mast - UL / CSA

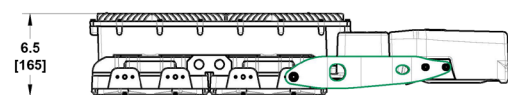
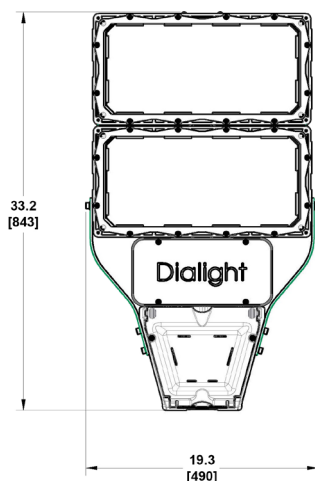
F2 Models



Patent Pending

Certifications & Ratings

- 10 year warranty
- UL 1598/A, CSA 22.2, NOM
- IP66/67, NEMA 4X
- L70 > 100,000 hours @ 122°F (50°C) ambient
- DLC/DLC Premium - selected models
- Vibration to ANSI C136.31 & CALTRANS test 611



Dimensions in inches [mm]

Mechanical Information:

Fixture weight:	47-58 lbs
Shipping weight:	~60 lbs
Mounting:	4 bolt mast arm bracket with +/-5° of adjustment. Suitable for 1.66" – 2.375" OD mounting pipe
EPA (Sq. ft):	1.50
Cable entry:	1 x 3/4" NPS

Electrical Specifications:

Operating voltage:	120-277VAC / 120-250VDC 347-480 VAC
Operating temp:	-40°F to +149°F (-40°C to +65°C) -40°F to +131°F (-40°C to +55°C) - 60klm
EMC:	CISPR 15 FCC 47CFR 15 IEC 61000-3-3 IEC 61547 IEC 61000-3-2
Transient protection:	6KV/3KA, Optional: 10kV/5kA
THD:	< 20%
Power Factor:	> 0.9
Dimming:	DALI 1.0 and 2.0 compatible / 0-10VDC

Power Supply:

ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Housing:	A360 Die-cast aluminum
Hardware:	316 stainless steel
Finish:	Superior epoxy and polyester dual coat finish
Lens:	Integrated PC Optic/Lens, Optional Glass Lens Cover, PC Lens Cover

Photometric Information:

CRI:	70 (80 optional)
CCT:	5000K (cool white) 4000K (neutral white) 2700K (warm white) - 80 CRI
Beam pattern:	NEMA 4 NEMA 6 NEMA 7x6 Asymmetric Asymmetric Wide
IES files:	Available at www.dialight.com
All values typical unless otherwise stated (tolerance +/- 10%)	

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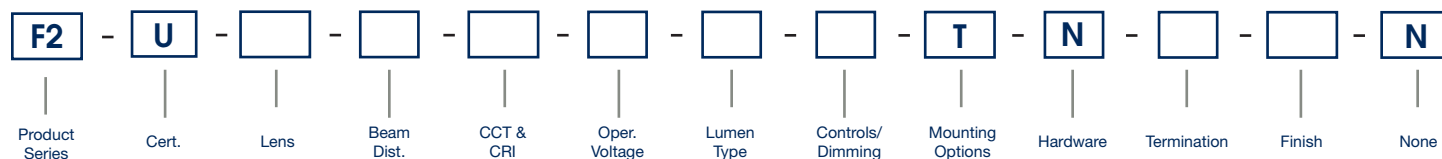
ProSite LED High Mast - UL / CSA

F2 Models



Project Information			Specifications		
Part Number:					
Project:					
Fixture Type:		Date:			

Ordering Information



Product Series
F2 ProSite High Mast F2 Model
Certification
U UL 1598/A / CSA

CCT & CRI	
B	Cool White 5000K - 70 CRI
L	Neutral White 4000K - 70 CRI
W	Warm White 2700K - 80 CRI
*Amber options available	

Controls/Dimming
D 0-10V / DALI as standard
S Receptacle with Shorting Cap

Termination
U 6mm ² Terminal Block - Screw Down
V 4mm ² Terminal Block - Push Down

Lens
N Integrated PC Optic/Lens Only
4 PC Lens Cover
7 Glass Lens Cover

* Lens option 4 and 7 is not available for asymmetric wide optic

Beam Distribution
4 NEMA 4
6 NEMA 6
7 NEMA 7x6
F Asymmetric
J Asymmetric Wide

* For Asymmetric beam distribution either a PC or Glass lens cover must be included

Operating Voltage
2 120-277VAC / 120-250VDC
5 347-480 VAC
8 120-277VAC / 120-250VDC 10kV surge
9 347-480 VAC 10kV surge

Lumen Type
H 36,000 Lumens
L 48,000 Lumens
N 60,000 Lumens

Mounting Options
T 4 Bolt Mast Arm Bracket with +/-5° of Adjustment

Finish
G Gray (RAL 7040)
Z Bronze (RAL 7022)

Hardware
N No Option

Battery
N No Options

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Ordering Information

ProSite LED High Mast - UL / CSA



Industrial - UL 1598 / CSA							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
Lumen Output Family - 48,000lm							
F2U-N7B2-LDTN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B2-LDTN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B2-LDTN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB2-LDTN-VGN	47,200	346	136	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F2U-NJB2-LDTN-VGN	47,500	346	137	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Asymmetric Wide
F2U-N7B5-LDTN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B5-LDTN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B5-LDTN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB5-LDTN-VGN	47,200	357	132	347-480VAC	5000k (cool white)	Glass	Asymmetric
F2U-NJB5-LDTN-VGN	47,500	357	133	347-480VAC	5000k (cool white)	Integrated PC	Asymmetric Wide
Lumen Output Family - 60,000lm							
F2U-N7B2-NDTN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B2-NDTN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B2-NDTN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB2-NDTN-VGN	60,100	484	124	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F2U-NJB2-NDTN-VGN	60,500	484	125	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Asymmetric Wide
F2U-N7B5-NDTN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B5-NDTN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B5-NDTN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB5-NDTN-VGN	60,100	499	120	347-480VAC	5000k (cool white)	Glass	Asymmetric
F2U-NJB5-NDTN-VGN	60,500	499	121	347-480VAC	5000k (cool white)	Integrated PC	Asymmetric Wide

All values typical unless otherwise stated (tolerance +/- 10%).
See ordering information chart for additional options.

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Ordering Information

ProSite LED High Mast - UL / CSA - 10kV Surge Protection



Industrial - UL 1598 / CSA - 10kV Surge Protection							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
Lumen Output Family - 48,000lm							
F2U-N7B8-LDTN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B8-LDTN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B8-LDTN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB8-LDTN-VGN	47,200	346	136	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F2U-NJB8-LDTN-VGN	47,500	346	137	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Asymmetric Wide
F2U-N7B9-LDTN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B9-LDTN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B9-LDTN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB9-LDTN-VGN	47,200	357	132	347-480VAC	5000k (cool white)	Glass	Asymmetric
F2U-NJB9-LDTN-VGN	47,500	357	133	347-480VAC	5000k (cool white)	Integrated PC	Asymmetric Wide
Lumen Output Family - 60,000lm							
F2U-N7B8-NDTN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B8-NDTN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B8-NDTN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB8-NDTN-VGN	60,100	484	124	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F2U-NJB8-NDTN-VGN	60,500	484	125	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Asymmetric Wide
F2U-N7B9-NDTN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B9-NDTN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B9-NDTN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB9-NDTN-VGN	60,100	499	120	347-480VAC	5000k (cool white)	Glass	Asymmetric
F2U-NJB9-NDTN-VGN	60,500	499	121	347-480VAC	5000k (cool white)	Integrated PC	Asymmetric Wide

All values typical unless otherwise stated (tolerance +/- 10%).
See ordering information chart for additional options.

Reliant™ LED High Bay

100-277 VAC, 347-480 VAC

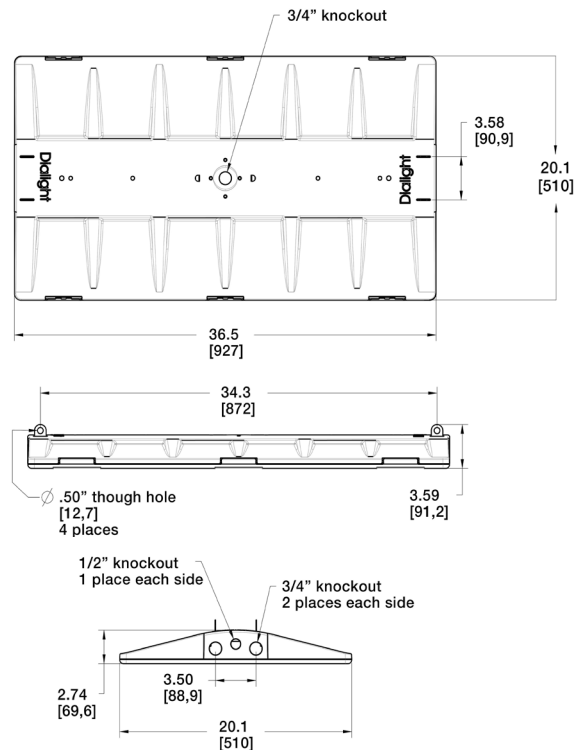


Certifications & Ratings

- UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- Damp location
- L90 rated for >100,000 hours @ 25°C
- DLC Standard & Premium
- Title 24 compliant

Features & Benefits

- 10 year warranty
- Up to 160 lm/W
- 10% up-light accessory available (most models)
- Modular configuration
- Field replaceable parts available
- Controls enabled



Dimensions in inches [mm]

Mechanical Information:

Fixture weight:

Single unit: 18 lb* (polycarbonate, 120 VAC version)
Tandem unit: 41 lb* (polycarbonate, 120 VAC version)
*Base models only - does not include add on accessories
(surge, battery backup, sensor) - estimated additional 3 lb

Mounting:

Mounting: Cable/chain
Pendant mount kit available (see mounting accessories section on page 17)

Mounting tabs: 2 per side

Cable entries: 3/4" knockout - 2 per side, 1 top
1/2" knockout - 1 per side

Wiring: 8" of flying leads within wiring cavity

Materials:

Housing: Halogen free polycarbonate

Lens: Tempered glass, polycarbonate or acrylic

Mounting tabs: 304 stainless steel

Fixture color: Grey
Consult factory for additional color options

Electrical Specifications:

Operating voltage: 100-277 VAC
347-480 VAC

Operating temperature: -40°F to +131°F (-40°C to +55°C)
Battery backup*: +50°F to +95°F (10°C to +35°C)
*Battery backup model ONLY available with 100-277 VAC models

Total system power consumption: See table

EMC: FCC Title 47, Subpart B, Section 15, Class A

Transient protection: 100-277 VAC: 6kV (10kV optional)
347-480 VAC: 10kV

THD: <20%

Power factor: >0.9

Variable dimming: 0-10 VDC

Dimming range: 100%-5%

Power Supply:

ALT: Over 15 yr equivalent at 24/7 service
(accelerated life testing)

MTBF: Over 300 years with annual failure rate
(mean time between failures) less than 0.3% expected

Driver: Fully potted and sealed for superior protection

Photometric Information:

CRI: 80
Consult factory for more options available

CCT: 5000K (cool white)
4000K (neutral white)
Consult factory for more options available

All values typical unless otherwise stated (tolerance +/- 10%)

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Ordering Information

Reliant™ LED High Bay - 100-277 VAC, 347-480 VAC



Most Popular Variants (consult factory for other options)							
Part Number	Form Factor	Fixture Lumens	Wattage	lm/W	Lens	Beam Distribution	Controls
100-277 VAC Models							
RHU-5MC2-CDCN-NGN	Single	16,200	123	132	Diffused Polycarbonate	Medium	Dimming
RHU-5MC2-CGCN-NGN	Single	16,200	123	132	Diffused Polycarbonate	Medium	Occupancy Sensor
RHU-7MC2-CDCN-NGN	Single	18,000	123	146	Tempered Glass	Medium	Dimming
RHU-7MC2-CGCN-NGN	Single	18,000	123	146	Tempered Glass	Medium	Occupancy Sensor
RHU-5MC2-EDCN-NGN	Single	21,100	163	129	Diffused Polycarbonate	Medium	Dimming
RHU-7MC2-EDCN-NGN	Single	23,520	163	144	Tempered Glass	Medium	Dimming
RHU-5MC2-FDCN-NGN	Single	26,400	199	133	Diffused Polycarbonate	Medium	Dimming
RHU-7AC2-FDCN-NGN	Single	29,400	199	148	Tempered Glass	Aisle	Dimming
RHU-7MC2-FDCN-NGN	Single	29,400	199	148	Tempered Glass	Medium	Dimming
RHU-7MC2-FGCN-NGN	Single	29,400	199	148	Tempered Glass	Medium	Occupancy Sensor
RHU-5MC2-HDCN-NGN	Single	31,500	239	132	Diffused Polycarbonate	Medium	Dimming
RHU-7MC2-HDCN-NGN	Single	34,500	239	144	Tempered Glass	Medium	Dimming
RHU-7MC2-LDEN-NGN	Tandem Side By Side	47,000	325	145	Tempered Glass	Medium	Dimming
RHU-7MC2-LDDN-NGN	Tandem End To End	47,000	325	145	Tempered Glass	Medium	Dimming
RHU-7MC2-NDEN-NGN	Tandem Side By Side	58,800	398	148	Tempered Glass	Medium	Dimming
RHU-7MC2-NDDN-NGN	Tandem End To End	58,800	398	148	Tempered Glass	Medium	Dimming
RHU-7MC2-RDEN-NGN	Tandem Side By Side	69,000	478	144	Tempered Glass	Medium	Dimming
100-277 VAC Battery Backup Models							
RHU-7MC2-CDCN-NGF	Single	18,000	123	146	Tempered Glass	Medium	Dimming
RHU-7MC2-FDCN-NGF	Single	29,400	199	148	Tempered Glass	Medium	Dimming
347-480 VAC Models*							
RHU-5MC9-CDCN-NGN	Single	16,200	125	130	Diffused Polycarbonate	Medium	Dimming
RHU-7MC9-EDCN-NGN	Single	23,500	166	142	Tempered Glass	Medium	Dimming
RHU-5MC9-FDCN-NGN	Single	26,400	203	130	Diffused Polycarbonate	Medium	Dimming
RHU-7MC9-FDCN-NGN	Single	29,400	203	145	Tempered Glass	Medium	Dimming
RHU-7MC9-HDCN-NGN	Single	34,550	244	142	Tempered Glass	Medium	Dimming
RHU-7MC9-LDEN-NGN	Tandem Side By Side	47,000	331	142	Tempered Glass	Medium	Dimming
RHU-7MC9-NDEN-NGN	Tandem Side By Side	58,800	406	145	Tempered Glass	Medium	Dimming
RHU-7MC9-RDEN-NGN	Tandem Side By Side	69,100	487	142	Tempered Glass	Medium	Dimming
RHU-7MC9-RDDN-NGN	Tandem End To End	69,100	487	142	Tempered Glass	Medium	Dimming

All values typical unless otherwise stated (tolerance +/- 10%)

*480 VAC models NOT available with Battery Backup

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Ordering Information

Reliant™ LED High Bay - 100-277 VAC, 347-480 VAC



Project Information			Specifications		
Part Number:					
Project:					
Fixture Type:		Date:			

Ordering Information

RH	-	U	-		-		-		-		-	N	-		-									
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Configuration		HW Access.		Elect. Access.		Finish		Battery

Product Code

RH Reliant™ High Bay

Certification

U UL 1598, CSA

Lens Material

- 2 Acrylic - Clear
- 4 Polycarbonate - Clear
- 5 Polycarbonate - Diffused
- 7 Tempered Glass - Clear

Beam Distribution

- A Aisle
- M Medium
- P Aisle Distribution with 10% Up-Light (Factory Installed)
- Q Medium Distribution with 10% Up-Light (Factory Installed)

* Field installable up-light accessory available

CCT & CRI

- C Cool White 5000K - 80 CRI
- N Neutral White 4000K - 80 CRI

Operating Voltage

- 2 100-277 VAC, 6kV Surge Protection
- 5 347-480 VAC, 6kV Surge Protection
- 8 100-277 VAC, 10kV Surge Protection
- 9 347-480 VAC, 10kV Surge Protection

Lumen Type

- C 18,000 Lumens
- E 23,500 Lumens
- F 29,400 Lumens
- H 34,600 Lumens

Tandem Models

- L 47,000 Lumens
- N 58,800 Lumens
- R 69,100 Lumens

Controls

- D Dimming (0-10V)
- E Occupancy Sensor, Bluetooth FSP-3x1B-S (side mount)
- F Occupancy Sensor, FSP-2X2
- G Occupancy Sensor, Bluetooth FSP-3x1
- H Occupancy Sensor, SU-5S-x-HRW
- J IntelliLED™ Wireless Controls
- L Occupancy Sensor, SU-5S-x-LRW

Configuration

- C Single
- D Tandem End to End
- E Tandem Side by Side

Hardware Accessories

- N No Cord
- 2 6' 18-3 STOOV Power Cord
- 3 12' 18-3 STOOV Power Cord

Electrical Accessories

- N No Option

Finish

- G Gray
- W White

Battery

- F Standard Battery Backup - 5W 100-277 VAC Fixtures ONLY
- G Battery Backup - 10W 100-277 VAC Fixtures ONLY
- N No Option

Notes

- 1) Lumen type based on using a glass lens, medium optic, cool white, 80 CRI. See tables for lumens when changing options.
- 2) For Lumen types L, N, R, use Mounting Option D - Tandem End to End or E - Tandem Side by Side.
- 3) Hardware accessories not available on battery back-up models.

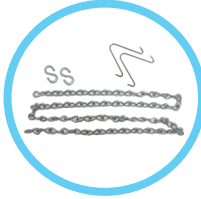
WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

Mounting Accessories



RH-MCAB-5 (6' option)
RH-MCAB-10 (10' option)
RH-MCAB-15 (16' option)
RH-MCAB-20 (22' option)

- Wire rope hanging kit
- Includes electro-galvanized 2mm steel looped end wires (2x), wire locking devices (2x) & v-hangers (2x)



RH-CHAIN-3 (3' option)
RH-CHAIN-4 (4' option)
RH-CHAIN-6 (6' option)

- Jack chain hanging kit
- Includes #12 steel chains (2x), s-hooks (4x), and v-hangers (2x)
- For use with single configured models only



RH-PENDANT-BRKT

- 3/4" NPT pendant mount kit
- Includes low copper A360 aluminum die cast adapter and hardware
- For use with single configured models only



RH-YCAB-5 (6' option)
RH-YCAB-10 (10' option)
RH-YCAB-20 (22' option)

- Wire rope hanging kit
- Includes electro-galvanized 2mm steel y-hook wires (2x) and wire locking devices (2x)



RH-VHANGER

- 304 stainless steel v-hangers (2x)



HBXCAB48

- 48" long stainless steel safety securing wire rope (2x)



RH-TANBRKT-E2E

- End-to-end tandem kit
- Includes 304 stainless steel brackets, hardware, and wire harnesses

Additional Accessories

For use as replacement parts or for field customized projects.



RH-WIRELESS-1

- IntelliLED wireless control kit
- 2x required for tandem models



RH-UPL-CWC (CW)
RH-UPL-NWC (NW)

- Direct up-lighting kit - set of 2
- For use with 30K, 36K, 60K, 72K models



RH-UPL-CWB (CW)
RH-UPL-NWB (NW)

- Direct up-lighting kit - set of 2
- For use with 18k, 24k, 48K models

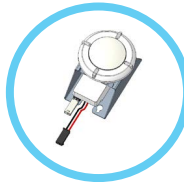


RH-10KV-277

- 100-277 VAC Littelfuse LSP10 surge protection kit

RH-10KV-480

- 347-480 VAC Littelfuse LSP10 surge protection kit



RH-WS-OCC-301

- WattStopper FSP-301 PIR occupancy sensor kit
- Bluetooth adjustable via Legrand app
- Time delay: 5 min-30 min.; default 15 minute
- Maximum coverage 100' diameter from 40' height
- For use with 36K+Uplight and 72K+Uplight models only

Battery Backup Accessories (100-277 VAC Models ONLY)



RH-EBU-800

- 5W battery backup kit (~800 lumens)
- Fulham FHSCP-UNV-10P-L-SD driver
- Fulham FH5BATL3-1.5-SD battery pack

RH-EBU-1500

- 10W battery backup kit (~1,500 lumens)
- Fulham FHSCP-UNV-10P-L-SD driver
- Fulham FH5BATL3-3-SD battery pack

NOT for use with 480V fixtures

Factory installed power cord is not available with Battery Back-up option

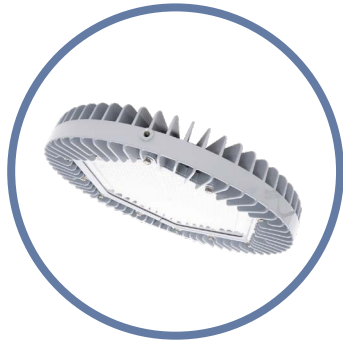
MODEL	RH-WS-OCC-301	RH-UPL-CWC (CW)	RH-UPL-NWC (NW)	RH-10KV-277	RH-10KV-480	RH-EBU-800	RH-EBU-1500
100-277 VAC	✓	✓	✓	✓	✓	✓	✓
347-480 VAC	✓	✓	✓	✓	✓	✓	✓

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Vigilant® Ultra-Efficient LED High Bay - UL / CSA

Technical Information

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

24 lbs (10.8kg)

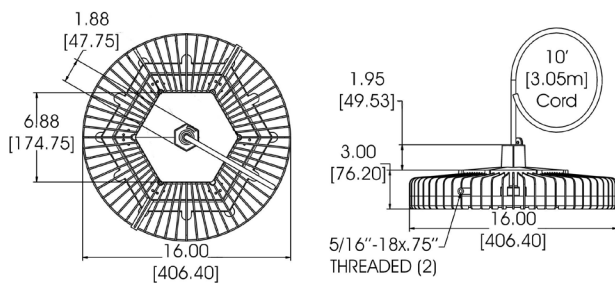
Mounting:

3/4" NPT - top
Various Kits

Power Cord:

10' 18 AWG ST00W / SOOW

Patent pending



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

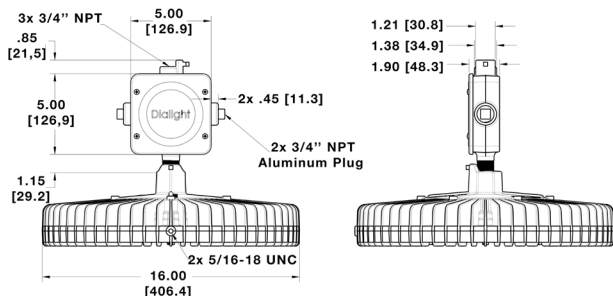
26 lbs (12 kg)

Mounting:

3/4" NPT or Hook

Wiring Box Cable Entries:

(2x) 3/4" NPT



Dimensions in inches (mm)

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Certifications & Ratings:

10 year warranty

UL 1598/A

UL 8750

IP66/67

CSA C22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range:

10 VDC = 100% light output

0 VDC = <10% light output

Electrical Specifications:

Operating Voltage:

100-277 VAC, 120-250 VDC

347-480 VAC

250-480 VAC, 250-480 VDC

(600 VAC / 778 VDC short-term swell capacity)

Total system power consumption:

See table

Operating Temp:

-40°F to +149°F (-40°C to +65°C)

Harmonics:

IEC 61000-3-2 Class C

Noise requirement / EMC:

FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection:

100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41.

347-480 VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD:

<20%

Power Factor:

>0.9

Fusing:

Internal

Power Supply:

ALT: (accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper free aluminum

Finish:

Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy primer

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:

80, 70

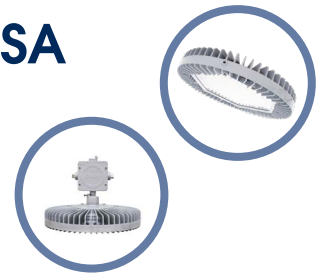
CCT:

5000K (cool white)
4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)

Vigilant® Ultra-Efficient LED High Bay - UL / CSA

Ordering Information



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

V	-		-	U	-		-		-		-		-		-	N	-	G	-	N						
Product Code		Junction Box		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		Power Cable		Elect. Access.		Coatings		No Option

Product Code	CCT & CRI	Controls	Electrical Accessories*
V Vigilant® Ultra-Efficient	B Cool White 5000K - 70 CRI	D Continuous Dimming	N No Plug
	C Cool White 5000K - 80 CRI	J IntelliLED Wireless	*Cord & plug options available upon request
	L Neutral White 4000K - 70 CRI	N No Option	
	N Neutral White 4000K - 80 CRI	Q Microwave Occupancy Sensor 40'²	
Junction Box	Operating Voltage	Mounting Options	Coatings
C Wiring Box	2 100-277 VAC / 120-250 VDC	H Hook	G Gray (RAL 7040)
E No Junction Box	5 347-480 VAC	N Pendant 3/4" NPT	
	Y 250-480 VAC / 250-480 VDC³	P Pendant 3/4" NPT w/ Safety Securing Brackets	
Certification	Lumen Type¹	R Hook w/ Safety Securing Brackets	Option
U UL 1598/A, CSA	A 12,100 Lumens		N No Option
Lens Material	B 15,000 Lumens	Power Cable	
4 Polycarbonate - Clear	C 19,100 Lumens	N No Cord (Wiring Box only)	
7 Tempered Glass - Clear	E 26,300 Lumens	W 10' [3 meter] Power Cable	
L Polycarbonate Dome - Diffused	F 30,900 Lumens		
Beam Distribution	H 35,700 Lumens		
E Aisle	J 41,300 Lumens		
M Medium			
N Narrow			
R High Efficacy Round			

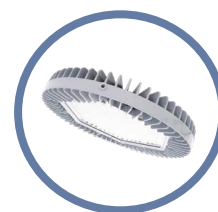
Notes

- 1) Lumen type based on using a glass lens, round optic, 70 CRI. See page 14 for output of other options.
- 2) Occupancy Sensor models are dry locations only and are IP6X rated with a -20°C to +65°C ambient temperature range.
- 3) When ordering Operating Voltage = (Y) and Lumen Type = (J), maximum ambient temperature is +55°C (131°F).

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Vigilant® Ultra-Efficient LED High Bay - UL / CSA

Ordering Information - Corded Model



Part Number	Lumens	Wattage	lm/W	CCT, CRI	Lens	Beam Distribution	Hardware Options	Wiring
Corded Model - 3/4" Conduit - 100-277 VAC / 120-250 VDC								
VEU-7NC2-JNNW-NGN	38,200	230	166	CW, 80CRI	Glass	Narrow	Pendant 3/4" NPT	10' Power Cable
VEU-7MC2-JNNW-NGN	37,400	230	163	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VEU-7MC2-HNNW-NGN	32,300	195	166	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VEU-7MC2-FNNW-NGN	28,000	165	170	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VEU-7MC2-ENNW-NGN	23,800	140	170	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
Corded Model - 3/4" Conduit - 347-480 VAC								
VEU-7NC5-JNNW-NGN	38,200	230	166	CW, 80CRI	Glass	Narrow	Pendant 3/4" NPT	10' Power Cable
VEU-7MC5-JNNW-NGN	37,400	230	163	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VEU-7MC5-HNNW-NGN	32,300	195	166	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VEU-7MC5-FNNW-NGN	28,000	165	170	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VEU-7MC5-ENNW-NGN	23,800	140	170	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
Integrated Wiring Box Model - Hook - 100-277 VAC / 120-250 VDC								
VCU-7NC2-JDHN-NGN	38,200	230	166	CW, 80CRI	Glass	Narrow	Hook	Wiring Box
VCU-7MC2-JDHN-NGN	37,400	230	163	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCU-7MC2-HDHN-NGN	32,300	195	166	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCU-7MC2-FDHN-NGN	28,000	165	170	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCU-7MC2-EDHN-NGN	23,800	140	170	CW, 80CRI	Glass	Medium	Hook	Wiring Box
Integrated Wiring Box Model - Hook - 347-480 VAC								
VCU-7NC5-JDHN-NGN	38,200	230	166	CW, 80CRI	Glass	Narrow	Hook	Wiring Box
VCU-7MC5-JDHN-NGN	37,400	230	163	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCU-7MC5-HDHN-NGN	32,300	195	166	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCU-7MC5-FDHN-NGN	28,000	165	170	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCU-7MC5-EDHN-NGN	23,800	140	170	CW, 80CRI	Glass	Medium	Hook	Wiring Box

All values typical unless otherwise stated (tolerance +/- 10%)

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Vigilant® Ultra-Efficient LED Low Bay - UL / CSA

Technical Information

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

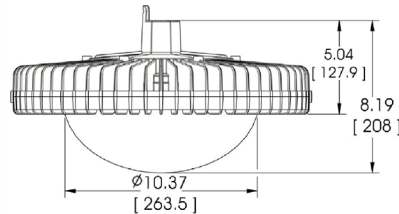
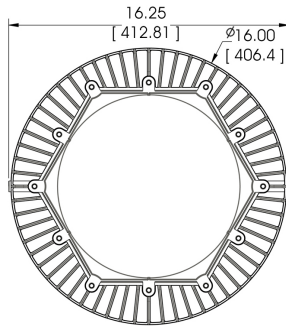
24 lbs (10.8kg)

Mounting:

3/4" NPT - top
Various Kits

Power Cord:

10' 18 AWG ST00W/S00W



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

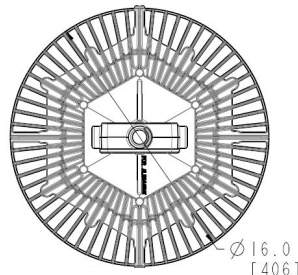
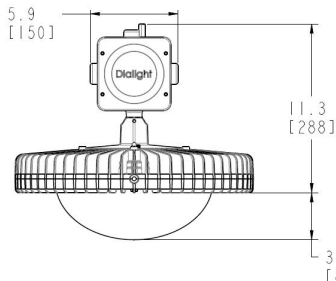
26 lbs (12 kg)

Mounting:

3/4" NPT or Hook
Various Kits

Wiring Box Cable Entries:

(2x) 3/4" NPT



Dimensions in inches (mm)

Certifications & Ratings:

10 year warranty
UL 1598/A
UL 8750
IP66/67

CSA C22.2 No. 250.0-08
NEMA 4X
L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range:

10 VDC = 100% light output
0 VDC = <10% light output

Occupancy Sensor:

Mounting Height: Up to 40ft
Ingress Protection: IP6X

Electrical Specifications:

Operating Voltage:

100-277 VAC (120-250 VDC)
347-480 VAC
250-480 VAC, 250-480 VDC
(600 VAC / 778 VDC short-term swell capacity)

Total system power consumption:

See table

Operating Temp:

-40°F to +149°F (-40°C to +65°C)

Harmonics:

IEC 61000-3-2 Class C

Noise requirement /EMC:

FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection:

100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41
347-480VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD:

6k-18k lm models: <20%

Power Factor:

>0.9

Fusing:

Internal

Power Supply:

ALT: (accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper free aluminum

Finish:

Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy primer

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:

80

CCT:

5000K (cool white)
4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)

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Vigilant® Ultra-Efficient LED Low Bay - UL / CSA

Ordering Information



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

V		U		U								N	G	N
Product Code	Junction Box	Cert.	Lens Material	Beam Dist.	CCT & CRI	Oper. Voltage	Lumen Type	Controls	Mounting Options	Power Cable	Elect. Access.	Coatings	No Option	
Product Code	Beam Distribution		Lumen Type¹		Power Cable									
V Vigilant® Ultra-Efficient	U Ultra Wide		6 6,100 Lumens		N No Cord (Wiring Box only)									
			9 9,000 Lumens		W 10' [3 meter] Power Cable									
			B 13,400 Lumens											
			C 16,600 Lumens											
Junction Box	CCT & CRI		Controls		Electrical Accessories*									
C Wiring Box	C Cool White 5000K - 80 CRI		D Continuous Dimming		N No Plug									
E No Junction Box	N Neutral White 4000K - 80 CRI		J IntelliLED Wireless Controls		*Cord & plug options available upon request									
			N No Option											
Certification			Q Microwave Occ Sensor 40 ¹³		Coatings									
U UL 1598/A					G Gray (RAL 7040)									
Lens Material	Operating Voltage		Mounting Options		Option									
2 Acrylic - Clear (dry location only) ²	2 100-277 VAC / 120-250 VDC		H Hook		N No Option									
3 Acrylic - Diffused (dry location only) ²	5 347-480 VAC		N Pendant 3/4" NPT											
4 Polycarbonate - Clear	Y 250-480 VAC / 250-480 VDC		P Pendant 3/4" NPT w/ Safety Securing Brackets											
5 Polycarbonate - Diffused			R Hook w/ Safety Securing Brackets											
L Polycarbonate Dome - Diffused														

Notes

1) Lumen type based on using a polycarbonate dome lens. See page 14 for output of other options.

2) Acrylic lens are dry location only.

3) Occupancy Sensor models are dry locations only and are IP6X rated with a -20°C to +65°C ambient temperature range.

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Vigilant® Ultra-Efficient LED Low Bay - UL / CSA

Ordering Information - Corded Model & Integrated Wiring Box Model



Part Number	Lumens	Wattage	lm/W	CCT, CRI	Lens	Beam Distribution	Hardware Options	Wiring
Corded Model - 3/4" Conduit - 100-277 VAC / 120-250 VDC								
VEU-LUC2-CNNW-NGN	16,700	115	145	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
VEU-LUC2-BNNW-NGN	13,400	90	149	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
VEU-LUC2-9NNW-NGN	9,000	60	150	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
VEU-LUC2-6NNW-NGN	6,100	43	142	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
Corded Model - 3/4" Conduit - 347-480 VAC								
VEU-LUC5-CNNW-NGN	16,700	115	145	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
VEU-LUC5-BNNW-NGN	13,400	90	149	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
VEU-LUC5-9NNW-NGN	9,000	60	150	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
Integrated Wiring Box Model - Hook - 100-277 VAC / 120-250 VDC								
VCU-LUC2-CDHN-NGN	16,700	115	145	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
VCU-LUC2-BDHN-NGN	13,400	90	149	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
VCU-LUC2-9DHN-NGN	9,000	60	150	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
VCU-LUC2-6DHN-NGN	6,100	43	142	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
Integrated Wiring Box Model - Hook - 347-480 VAC								
VCU-LUC5-CDHN-NGN	16,700	115	145	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
VCU-LUC5-BDHN-NGN	13,400	90	149	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
VCU-LUC5-9DHN-NGN	9,000	60	150	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box

All values typical unless otherwise stated (tolerance +/- 10%)

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Vigilant® LED High Bay - UL / CSA

Corded Model & Integrated Wiring Box Model

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

24 lbs (10.8kg)

Mounting:

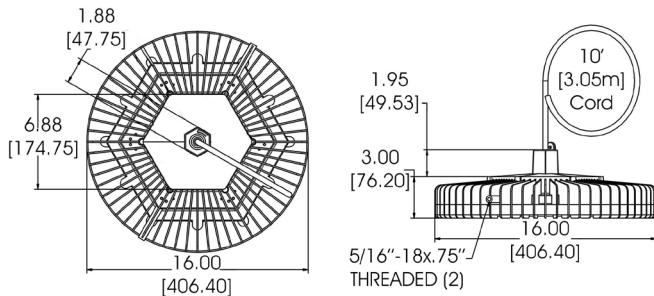
3/4" NPT - top

Various Kits

Power Cord:

10' 18 AWG ST00W/SOOW

Patent pending



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

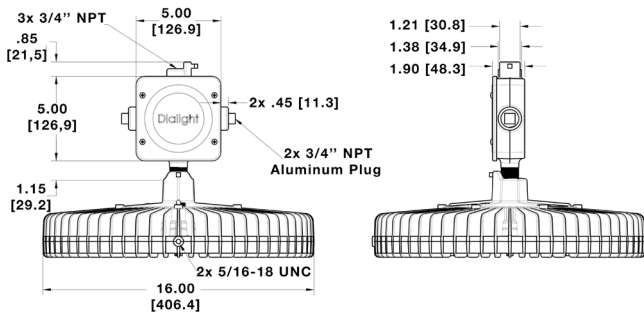
26 lbs (12 kg)

Mounting:

3/4" NPT or Hook

Wiring Box Cable Entries:

(2x) 3/4" NPT



Dimensions in inches (mm)

Certifications & Ratings:

10 year warranty

UL 1598/A

UL 8750

IP66/67

CSA C22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range:

10 VDC = 100% light output

0 VDC = <10% light output

Occupancy Sensor:

Mounting Height:

Up to 40ft

Ingress Protection:

IP66

Electrical Specifications:

Operating Voltage:

100-277 VAC, 120-250 VDC

347-480 VAC

Total system power consumption:

See table

Operating Temp:

-40°F to +149°F (-40°C to +65°C)

Harmonics:

IEC 61000-3-2 Class C

Noise requirement /EMC:

FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection:

100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41.

347-480 VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD:

<20%

Power Factor:

>0.9

Fusing:

Internal

Power Supply:

ALT:

(accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF:

(mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper free aluminum

Finish:

Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy primer

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:

80

CCT:

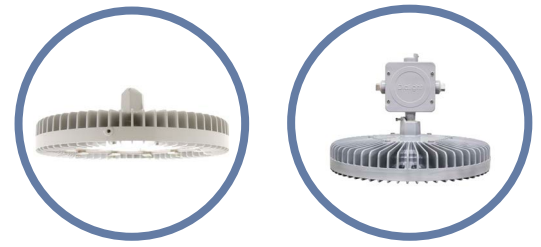
5000K (cool white)
4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)

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Vigilant® LED High Bay - UL / CSA

Corded & Integrated Wiring Box



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

<div></div>	-	<div>U</div>	-	<div></div>	-	<div></div>	-	<div></div>	-	<div></div>	-	<div></div>	-	<div></div>	-	<div>N</div>	-	<div>G</div>	-	<div>N</div>				
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		Power Cable		Elect. Access.		Coatings		No Option

Product Code HC High Bay Integrated Pendant Wiring Box HE High Bay 3/4" NPT	Beam Distribution E Oval M Medium N Narrow W Wide	Lumen Type A 11,600 Lumens B 14,900 Lumens C 19,800 Lumens E 27,500 Lumens	Power Cable N No Cord (HC only) W 10' [3 meter] Power Cable (HE only)
Certification U UL 1598/A, CSA	CCT & CRI C Cool White 5000K - 80 CRI N Neutral White 4000K - 80 CRI	Controls D Dimming (0-10V) N No Dimming (HE only) M Occupancy Sensor (HC only)	Electrical Accessories N No Plug
Lens Material 2 Acrylic - Clear (dry location only) 4 Polycarbonate - Clear 7 Glass - Clear L Polycarbonate Dome - Diffused R Power Wash Glass, Clear	Operating Voltage 2 100-277 VAC / 120-250 VDC 5 347-480 VAC	Mounting Options H Hook N Pendant 3/4" NPT P Pendant 3/4" NPT w/ Safety Securing Brackets R Hook w/ Safety Securing Brackets	Coatings G Gray (RAL 7040)
			Option N No Option

Notes

- 1) Lumen type based on using a glass lens. See tables for lumens when changing lenses.
- 2) When ordering occupancy sensor, use prefix **HC**.
- 3) When ordering option **HC**, Controls = **(D)** Dimming or **(M)** Occupancy Sensor.

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Ordering Information

Vigilant® LED High Bay - Corded Model



Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
Corded Model - 3/4" Conduit - 100-277 VAC / 120-250 VDC								
HEU-7MC2-ENNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-ENPW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-7MC2-EDNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-4MC2-ENNW-NGN	27,200	185	147	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-2MC2-ENNW-NGN	27,200	185	147	CW	Acrylic - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-ENNW-NGN	27,000	185	146	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-2WC2-ENNW-NGN	27,000	185	146	CW	Acrylic - Clear	Wide	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-CNNW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-CNPW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-7MC2-CDNW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-4MC2-CNNW-NGN	19,600	130	151	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-CNNW-NGN	19,400	130	149	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MN2-CNNW-NGN	19,400	130	149	NW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-BNNW-NGN	14,900	100	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-4MC2-BNNW-NGN	14,800	100	148	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-BNPW-NGN	14,600	100	146	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-LMC2-BNNW-NGN	14,600	100	146	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-ANNW-NGN	11,600	80	145	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-4MC2-ANNW-NGN	11,500	80	144	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-2MC2-ANNW-NGN	11,500	80	144	CW	Acrylic - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-ANNW-NGN	11,400	80	143	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
Corded Model - 3/4" Conduit - 347-480 VAC								
HEU-7MC5-EDNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-ENNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-ENPW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-4MC5-ENPW-NGN	27,200	185	147	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-7WC5-ENPW-NGN	27,200	185	147	CW	Glass - Clear	Wide	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-7EC5-ENNW-NGN	25,900	185	140	CW	Glass - Clear	Oval	Pendant 3/4" NPT	10' Power Cable
HCU-4EC5-EMNW-NGN	25,600	185	138	CW	Polycarbonate - Clear	Oval	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-CDNW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-CNHW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Hook	10' Power Cable
HEU-7MC5-CNNW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC5-CNNW-NGN	19,400	130	149	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-BNNW-NGN	14,900	100	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-ADNW-NGN	11,600	80	145	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-ANNW-NGN	11,600	80	145	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-4MC5-ADNW-NGN	11,500	80	144	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC5-ANNW-NGN	11,400	80	143	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable

All values typical unless otherwise stated (tolerance +/- 10%)

0-10V dimming option available for products in the above table. Replace the ninth character N with D. Ex: HEU-7MC2-ENNW-NGN becomes HEU-7MC2-EDNW-NGN.

Acrylic lens is dry location only.

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Ordering Information

Vigilant® LED High Bay - Integrated Wiring Box Model



Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
Integrated Wiring Box Model - 3/4" Conduit - 100-277 VAC / 120-250 VDC								
HCU-7MC2-EDNN-NGN	27,500	185	149	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-7MC2-EMNN-NGN	27,500	185	149	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-LMC2-EMNN-NGN	27,000	185	146	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-LMC2-EDNN-NGN	27,000	185	146	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-7MC2-CDNN-NGN	19,800	130	152	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-7MC2-CMNN-NGN	19,800	130	152	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-LMC2-CDNN-NGN	19,400	130	149	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-LMC2-CMNN-NGN	19,400	130	149	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-7MC2-BDNN-NGN	14,900	100	149	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-7MC2-BMNN-NGN	14,900	100	149	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-LMC2-BDNN-NGN	14,600	100	146	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-LMC2-BMNN-NGN	14,600	100	146	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-7MC2-ADNN-NGN	11,600	80	145	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-7MC2-AMNN-NGN	11,600	80	145	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-LMC2-ADNN-NGN	11,400	80	143	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-LMC2-AMNN-NGN	11,400	80	143	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box

All values typical unless otherwise stated (tolerance +/- 10%)

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Vigilant® LED High Bay - UL / CSA

Passive Power Supply Model - 347 & 480 VAC



Mechanical Information:

Fixture weight:

40 lbs (18 kg)

Shipping weight:

45 lbs (20 kg)

Mounting:

3/4" NPT - top
Various Kits

Power cord:

10" 18 AWG ST00W/SOOW

Patent pending

Certifications & Ratings:

10 year warranty

UL 1598/A

UL 8750

IP66

CSA C22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Electrical Specifications:

Operating Voltage: 347 or 480 VAC

Total system power consumption: See table

Operating Temp: -40°F to +149°F (-40°C to +65°C)

Harmonics: IEC 61000-3-2 Class C

Noise requirement /EMC: FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection: Protection devices capable of handling up to 10kV. Tested for 10kV/2 ohm combination wave, as per IEEE C62.41, line-line and line ground

THD: <20%

Fusing: Internal

Power Supply:

ALT: Over 15 yr equivalent at 24/7 service
(accelerated life testing)

MTBF: Over 300 years with annual failure rate
(mean time between failures) less than 0.3% expected

Construction:

Housing: Copper free aluminum

Finish: Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy primer

Lens: See table

Vibration: Up to 5G @ 10-150Hz for 750,000 cycles,
per IEC 60068-2-6 for luminaire only

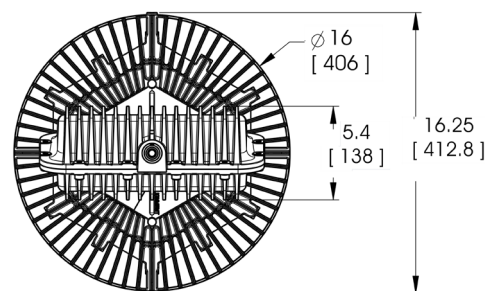
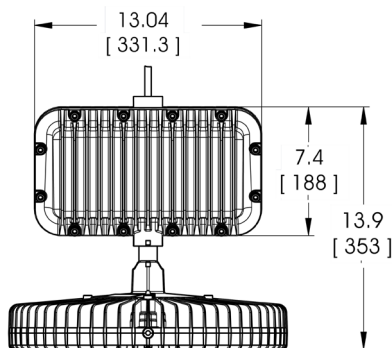
Shock: 50G half-sine for 3 cycles,
per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI: 80

CCT: 5000K (cool white)
4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)



Dimensions in inches (mm)

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Vigilant® LED High Bay - UL / CSA

Passive Power Supply Model - 347 & 480 VAC



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

HE	-	U	-		-	M	-		-		-	N	-		-	W	-	N	-	G	-	N		
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		Power Cable		Elect. Access.		Coatings		No Option

Product Code	Beam Distribution	Lumen Type	Power Cable
HE High Bay	M Medium	A 11,300 Lumens	W 10' (3 meter) Power Cable
		B 14,300 Lumens	
		C 18,000 Lumens	
		E 27,000 Lumens	
Certification	CCT & CRI	Controls	Electrical Accessories
U UL 1598/A, CSA	C Cool White 5000K - 80 CRI	N No Option	N No Plug
	N Neutral White 4000K - 80 CRI		
Lens Material	Operating Voltage	Mounting Options	Coatings
7 Glass - Clear	P 480 VAC Passive	H Hook	G Gray (RAL 7040)
L Polycarbonate Dome - Diffused	Q 347 VAC Passive	N Pendant 3/4" NPT	
R Power Wash Glass, Clear		P Pendant 3/4" NPT w/ Safety Securing Brackets	Option
		R Hook w/ Safety Securing Brackets	N No Option

Notes

1) Lumen type based on using a glass lens. See tables for lumens when changing lenses.

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Ordering Information

Vigilant® LED High Bay - Passive Power Supply Model



Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
Passive Power Supply Model - 347 VAC								
HEU-7MCQ-ENNW-NGN	27,000	206	131	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCQ-CNNW-NGN	18,000	136	132	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCQ-BNNW-NGN	14,300	100	143	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCQ-ANNW-NGN	11,300	81	140	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
Passive Power Supply Model - 480 VAC								
HEU-7MCP-ENNW-NGN	27,000	206	131	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCP-CNNW-NGN	18,000	129	140	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCP-BNNW-NGN	14,300	116	123	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCP-ANNW-NGN	11,300	73	155	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable

All values typical unless otherwise stated (tolerance +/- 10%)

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Vigilant® LED Low Bay - UL / CSA

Corded Model & Integrated Wiring Box Model

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

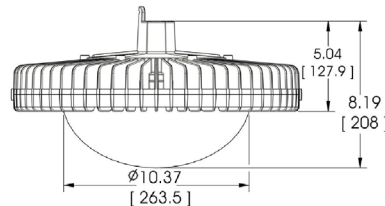
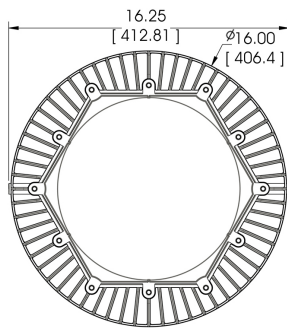
24 lbs (10.8kg)

Mounting:

3/4" NPT - top
Various Kits

Power Cord:

10' 18 AWG ST00W/S00W



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

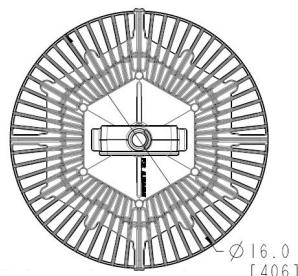
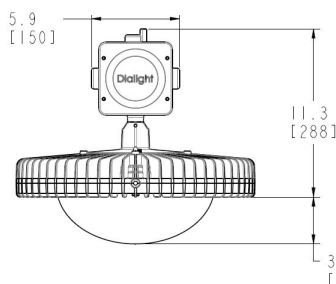
26 lbs (12 kg)

Mounting:

3/4" NPT or Hook
Various Kits

Wiring Box Cable Entries:

(2x) 3/4" NPT



Dimensions in inches (mm)

Certifications & Ratings:

10 year warranty
UL 1598/A
UL 8750
IP66/67

CSA C22.2 No. 250.0-08
NEMA 4X
L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range:

10 VDC = 100% light output
0 VDC = <10% light output

Occupancy Sensor:

Mounting Height:
Ingress Protection:

Up to 40ft
IP66

Electrical Specifications:

Operating Voltage:

100-277 VAC (120-250 VDC)
347-480 VAC

Total system power consumption:

See table

Operating Temp:

-40°F to +149°F (-40°C to +65°C)

Harmonics:

IEC 61000-3-2 Class C

Noise requirement /EMC:

FCC Title 47, Subpart B, Section 15, class A device, RF Immunity; 10V/m, 80MHz-1GHz

Transient protection:

100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41
347-480VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD:

6k-18k lm models: <20%
4k lm models: <30%

Power Factor:

>0.9

Fusing:

Internal

Power Supply:

ALT: (accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper free aluminum

Finish:

Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy primer

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:

80

CCT:

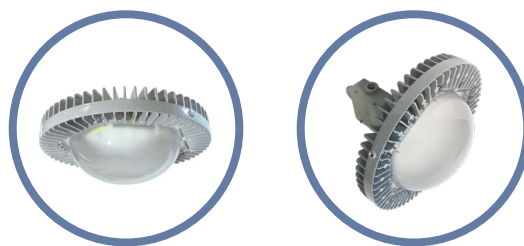
5000K (cool white)
4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)

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Vigilant® LED Low Bay - UL / CSA

Corded Model & Integrated Wiring Box



Project Information			Specifications		
Part Number:					
Project:					
Fixture Type:		Date:			

Ordering Information

<div></div>	-	<div>U</div>	-	<div></div>	-	<div>U</div>	-	<div></div>	-	<div></div>	-	<div></div>	-	<div></div>	-	<div></div>	-	<div>N</div>	-	<div>G</div>	-	<div>N</div>		
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		Power Cable		Elect. Access.		Coatings		No Option

Product Code	Beam Distribution	Lumen Type	Power Cable
LC Low Bay Integrated Wiring Box	U Ultra Wide	4 3,900 Lumens (100-277V only)	N No Cord (LC only)
LE Low Bay		6 6,400 Lumens (100-277V only)	W 10' [3 meter] Power Cable (LE only)
		9 9,200 Lumens	
		B 13,200 Lumens	
		C 17,200 Lumens	
Certification	CCT & CRI	Controls	Electrical Accessories
U UL 1598/A	C Cool White 5000K - 80 CRI	D Dimming (0-10V)	N No Plug
	N Neutral White 4000K - 80 CRI	M Occupancy Sensor (LC only)	
		N No Option (LE only)	
Lens Material	Operating Voltage	Mounting Options	Coatings
2 Acrylic - Clear (dry location only)	2 100-277 VAC / 120-250 VDC	H Hook	G Gray (RAL 7040)
3 Acrylic - Diffused (dry location only)	5 347-480 VAC	N Pendant 3/4" NPT	
4 Polycarbonate - Clear		P Pendant 3/4" NPT w/ Safety Securing Brackets	
5 Polycarbonate - Diffused		R Hook w/ Safety Securing Brackets	
L Polycarbonate Dome - Diffused			Option
			N No Option

Notes

- 1) Lumen type based on using a polycarbonate dome lens. See tables for lumens when changing lenses.
- 2) Acrylic lens dry location only.
- 3) When ordering occupancy sensor, use prefix LC.

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Ordering Information

Vigilant® LED Low Bay - Corded Model



Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Power Cable
Corded Model - 3/4" Conduit - 100-277 VAC / 120-250 VDC								
LEU-LUC2-9NNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LEU-LUC2-9NPW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
LEU-LUC2-6NNW-NGN	6,400	50	128	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LEU-LUC2-4NNW-NGN	3,900	38	103	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
Corded Model - 3/4" Conduit - 347-480 VAC								
LEU-LUC5-9NNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LEU-LUC5-9DNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable

All values typical unless otherwise stated (tolerance +/- 10%)

0-10V dimming option available for products in the above table. Replace the ninth character N with D. Ex: LEU-LUC2-9NNW-NGN becomes LEU-LUC2-9DNW-NGN.

Ordering Information

Vigilant® LED Low Bay - Integrated Wiring Box Model



Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Power Cable
Integrated Wiring Box Model - 100-277 VAC / 120-250 VDC								
LCU-LUC2-9DNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Wiring Box	Wiring Box
LCU-LUC2-6MNW-NGN	6,400	50	128	CW	Polycarbonate Dome - Diffused	Ultra Wide	Wiring Box	Wiring Box
LCU-LUC2-4MNW-NGN	3,900	38	103	CW	Polycarbonate Dome - Diffused	Ultra Wide	Wiring Box	Wiring Box

All values typical unless otherwise stated (tolerance +/- 10%)

For specification sheets with additional options available, with extended lead times, please contact your local sales representative.

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Vigilant® LED High Bay

Lumen Tables

Vigilant High Bay 100-277 VAC, 120-250 VDC and 347-480 VAC

Output	Wattage	Lens	Lens Material	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	185	7, R	Glass	27,500	26,900	23,400
	185	2, T	Acrylic	27,200	26,600	23,100
	185	4, V	Polycarbonate	27,200	26,600	23,100
	185	3, U	Acrylic Diffused	27,000	26,400	23,000
	185	5, W	Polycarbonate Diffused	27,000	26,400	23,000
	185	L, Z	Polycarbonate Dome Diffused	26,700	26,100	22,700
	185	8, S	Glass Diffused	25,400	24,900	21,600
C	130	7, R	Glass	19,800	19,400	16,800
	130	2, T	Acrylic	19,600	19,200	16,700
	130	4, V	Polycarbonate	19,600	19,200	16,700
	130	3, U	Acrylic Diffused	19,400	19,000	16,500
	130	5, W	Polycarbonate Diffused	19,400	19,000	16,500
	130	L, Z	Polycarbonate Dome Diffused	19,200	18,800	16,300
	130	8, S	Glass Diffused	18,300	17,900	15,600
B	100	7, R	Glass	14,900	14,600	12,700
	100	2, T	Acrylic	14,800	14,500	12,600
	100	4, V	Polycarbonate	14,800	14,500	12,600
	100	3, U	Acrylic Diffused	14,600	14,300	12,400
	100	5, W	Polycarbonate Diffused	14,600	14,300	12,400
	100	L, Z	Polycarbonate Dome Diffused	14,500	14,200	12,300
	100	8, S	Glass Diffused	13,700	13,400	11,600
A	80	7, R	Glass	11,600	11,400	9,900
	80	2, T	Acrylic	11,500	11,300	9,800
	80	4, V	Polycarbonate	11,500	11,300	9,800
	80	3, U	Acrylic Diffused	11,400	11,200	9,700
	80	5, W	Polycarbonate Diffused	11,400	11,200	9,700
	80	L, Z	Polycarbonate Dome Diffused	11,300	11,100	9,600
	80	8, S	Glass Diffused	10,700	10,500	9,100

Passive Power Supply

Output	Wattage 347 VAC	Wattage 480 VAC	Lens	Lens Material	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	206	206	7, R	Glass	27,000	26,400	23,000
	206	206	L, Z	Polycarbonate Dome Diffused	25,000	24,500	21,300
	206	206	8, S	Glass Diffused	23,800	23,300	20,200
C	136	129	7, R	Glass	18,000	17,600	15,300
	136	129	L, Z	Polycarbonate Dome Diffused	16,800	16,400	14,300
	136	129	8, S	Glass Diffused	15,800	15,500	13,400
B	100	116	7, R	Glass	14,300	14,000	12,200
	100	116	L, Z	Polycarbonate Dome Diffused	13,300	13,000	11,300
	100	116	8, S	Glass Diffused	12,500	12,200	10,600
A	81	73	7, R	Glass	11,300	11,100	9,600
	81	73	L, Z	Polycarbonate Dome Diffused	10,300	10,100	8,800
	81	73	8, S	Glass Diffused	9,800	9,600	8,300

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Vigilant® LED Low Bay

Lumen Tables

Vigilant Low Bay 100-277 VAC, 120-250 VDC and 347-480 VAC						
Output	Wattage	Lens	Lens Material	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
C	150	2, T	Acrylic	17,500	17,100	14,900
	150	4, V	PC	17,400	17,000	14,800
	150	L, Z	Poly Dome	17,200	16,800	14,600
	150	5, W	Polycarbonate Diffused	17,300	16,900	14,700
	150	3, U	Acrylic Diffused	17,300	16,900	14,700
B	112	2, T	Acrylic	13,400	13,100	11,400
	112	4, V	PC	13,300	13,000	11,300
	112	L, Z	Poly Dome	13,200	12,900	11,200
	112	5, W	Polycarbonate Diffused	13,200	12,900	11,200
	112	3, U	Acrylic Diffused	13,200	12,900	11,200
9	78	2, T	Acrylic	9,400	9,200	8,000
	78	4, V	PC	9,300	9,100	7,900
	78	L, Z	Poly Dome	9,200	9,000	7,800
	78	5, W	Polycarbonate Diffused	9,300	9,100	7,900
	78	3, U	Acrylic Diffused	9,300	9,100	7,900
6	50	2, T	Acrylic	6,500	6,400	5,500
	50	4, V	PC	6,400	6,300	5,400
	50	L, Z	Poly Dome	6,400	6,300	5,400
	50	5, W	Polycarbonate Diffused	6,400	6,300	5,400
	50	3, U	Acrylic Diffused	6,400	6,300	5,400
4	38	2, T	Acrylic	4,000	3,900	3,400
	38	4, V	PC	4,000	3,900	3,400
	38	L, Z	Poly Dome	3,900	3,800	3,300
	38	5, W	Polycarbonate Diffused	3,900	3,800	3,300
	38	3, U	Acrylic Diffused	3,900	3,800	3,300

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Vigilant® LED High Bay / Low Bay 100-277 VAC

Mounting Accessories



HBXW3-SSL-316
HBXW3-SSL-304

- Stainless steel bracket



HBXCAB48

- 48" long stainless steel safety rope (for use with safety bracket)



HBXH

- Hook

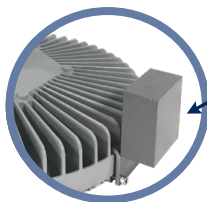


HBXW3-SSL-304FT

- 304 stainless steel forward throw bracket

HBXW3-SSL-316FT

- 316 Stainless steel forward throw bracket



HBXCBOCCFSPG
HBXCBOCCFSPK

(Counter Balance Occ)

- Powder Coated Steel
- Stainless Steel



HBXL

- Loop



HBXW2

- Swivel bracket and cable gland

HBXW3

- Swivel bracket



HBXSB

- Stainless steel safety securing brackets (4x)



HBXCG

- Cable gland



HBXCU

- Ceiling / wall mount



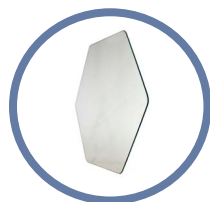
LBXLENP

- Polycarbonate dome lens replacement



HBXDUALBRCKT

- Dual bracket



HBXLENGC

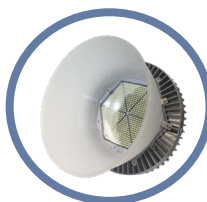
- Clear tempered glass

HBXLENPC

- Polycarbonate lens, clear

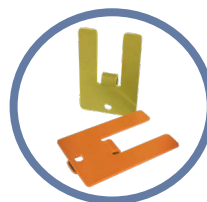
HBXLENAC

- Acrylic lens, clear



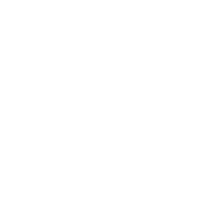
HBXREF16

- Acrylic reflector



HBXFLAG-Y
HBXFLAG-O

- Yellow Aluminum
- Orange Aluminum
- Comes with 10 indicator flags



HBXLENPD

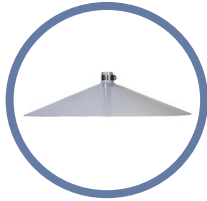
- Polycarbonate lens, diffused

HBXLENAD

- Acrylic lens, diffused

HBXLENGD

- Diffused tempered glass



HBXDC

- 21° slope dust cover

HBXDC45

- 45° slope dust cover

HBXDC60

- 60° slope dust cover



HBXFSIRREMOTE

- Remote for occupancy sensor

Notes

1) HBXLENGC Not applicable for Low Bay (Ultra Wide)

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Vigilant® LED High Bay 347V & 480V Passive - UL / CSA

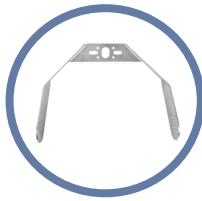
Mounting Accessories

**HLXW2**

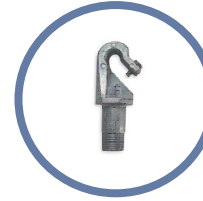
- Stainless steel swivel bracket and cable gland

HLXW3

- Stainless steel swivel bracket

**HBXW3-SSL-316FT**
HBXW3-SSL-304FT

- Stainless steel forward throw bracket

**HBXH**

- Hook

**HBXCU**

- Ceiling / wall mount

**HBXCG**

- Cable gland

**HBXL**

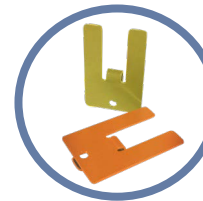
- Loop

**HBXSB**

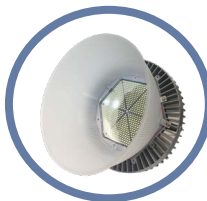
- Stainless steel safety securing brackets (4x)

**HBXCAB48**

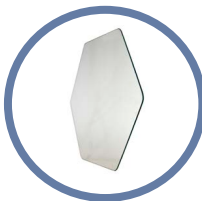
- 48" long stainless steel safety rope (for use with safety bracket)

**HBXFLAG-Y****HBXFLAG-O**

- Yellow Aluminum
- Orange Aluminum

**HBXREF16**

- Acrylic reflector

**HBXLENGC**

- Clear tempered glass

LBXLENP

- Polycarbonate dome lens

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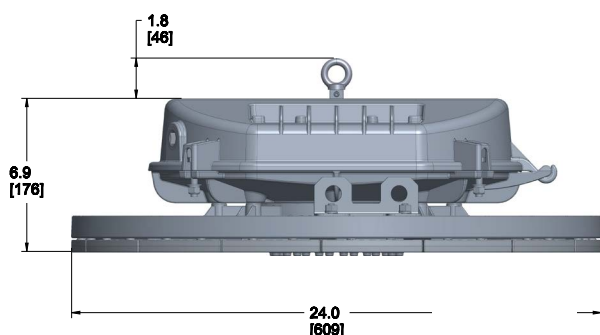
Vigilant® LED High Output High Bay - Low Profile

Standard Models



Certifications & Ratings

- 10 year warranty
- UL 1598/A (wet locations)
- CSA C22.2 No. 250 (wet locations)
- IP66/67
- IK10 (polycarbonate) / IK06 (glass)
- L70 > 150,000 hours
- DLC Premium on most models
- Factory installed secondary retention bracket, optional safety cable accessory available



Dimensions in inches [mm]

Mechanical Information:

Weight (120-277 VAC):	48 lbs (21.8 kg)
Weight (347/480 VAC):	49 lbs (22.2 kg)
Shipping weight:	62 lbs (28.1 kg)
Mounting:	(1) ¾" NPT Hook
Entries:	(1) ¾" NPT – top (2) ¾" NPT – sides

Variable Dimming Option:

Variable Dimming Cable:	Two conductor cable
Power Cable:	Three conductor cable
Variable Dimming Control:	0-10 VDC
Dimming Range:	10 VDC = 100% light output 0 VDC = off

Electrical Specifications:

Operating Voltage:	120-277 VAC, 50/60Hz 347 VAC, 50/60Hz 480 VAC, 50/60Hz
Total system power consumption:	See table
Operating Temp:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	IEC 61000-3-2 Class C
Noise requirement /EMC:	FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz
Transient protection:	6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground
THD:	< 20%
Power Factor:	> 0.9
Power Supply:	
ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy primer
Lens Options:	Glass, Acrylic or Polycarbonate
Vibration:	Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
Shock:	50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:	80
CCT:	5000K (cool white) 4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)

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Vigilant® LED High Output High Bay - Low Profile

120-277 VAC, 347 or 480 VAC Models



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

H7	-	U	-		-		-		-		-		-		-	N	-	G	-	N				
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		Cables		Plugs		Finish		Battery

Product Code

H7 Vigilant High Output High Bay

CCT & CRI

C Cool White 5000K - 80 CRI

N Neutral White 4000K - 80 CRI

Controls

D Dimming (0-10V)

J IntelliLED Wireless

Plugs

N No Option*

* For available cable and plug options contact your local Dialight representative

Certification

U UL 1598, UL 1598/A

Operating Voltage

2 120-277 VAC

3 208 VAC (w/ fuseblock)

B 347 VAC (w/ fuseblock)

D 480 VAC (w/ fuseblock)

Mounting Options

H Hook

N No Option*

* 3 - 3/4" threaded entries; 1 pendant and 2 through-feed perimeter are standard

Finish

G Gray (RAL 7040)

Lens Material

2 Acrylic - Clear

4 Polycarbonate - Clear

7 Glass - Clear

Lumen Type

K 46,000 Lumens

N 61,200 Lumens

R 70,500 Lumens

Based on cool white and glass lens. See Technical Specification Sheet for additional options.

Beam Distribution

M Medium

N Narrow

Cables

N No Cable (Standard)

W 10' (3 meter) Power Cable

Battery

N No Option

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Ordering Information

Vigilant® LED High Output High Bay - Low Profile - Standard Models



Part Number	Fixture Lumen	Watt	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution	Controls
Standard Models - 120-277 VAC Models									
H7U-7NC2-RDNN-NGN	70,500	485	145	120-277 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H7U-4NC2-RDNN-NGN	65,700	485	135	120-277 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H7U-2NC2-RDNN-NGN	66,800	485	138	120-277 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H7U-7MC2-RDNN-NGN	70,500	485	145	120-277 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H7U-4MC2-RDNN-NGN	65,700	485	135	120-277 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H7U-2MC2-RDNN-NGN	66,800	485	138	120-277 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H7U-7NC2-NDNN-NGN	61,200	418	146	120-277 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H7U-4NC2-NDNN-NGN	57,100	418	137	120-277 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H7U-2NC2-NDNN-NGN	58,000	418	139	120-277 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H7U-7MC2-NDNN-NGN	61,200	418	146	120-277 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H7U-4MC2-NDNN-NGN	57,100	418	137	120-277 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H7U-2MC2-NDNN-NGN	58,000	418	139	120-277 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H7U-7NC2-KDNN-NGN	46,000	300	153	120-277 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H7U-4NC2-KDNN-NGN	42,900	300	143	120-277 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H7U-2NC2-KDNN-NGN	43,600	300	145	120-277 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H7U-7MC2-KDNN-NGN	46,000	300	153	120-277 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H7U-4MC2-KDNN-NGN	42,900	300	143	120-277 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H7U-2MC2-KDNN-NGN	43,600	300	145	120-277 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
Standard Models - 347 VAC Models									
H7U-7NCB-RDNN-NGN	70,500	494	143	347 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H7U-4NCB-RDNN-NGN	65,700	494	133	347 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H7U-2NCB-RDNN-NGN	66,800	494	135	347 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H7U-7MCB-RDNN-NGN	70,500	494	143	347 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H7U-4MCB-RDNN-NGN	65,700	494	133	347 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H7U-2MCB-RDNN-NGN	66,800	494	135	347 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H7U-7NCB-NDNN-NGN	61,200	427	143	347 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H7U-4NCB-NDNN-NGN	57,100	427	134	347 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H7U-2NCB-NDNN-NGN	58,000	427	136	347 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H7U-7MCB-NDNN-NGN	61,200	427	143	347 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H7U-4MCB-NDNN-NGN	57,100	427	134	347 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H7U-2MCB-NDNN-NGN	58,000	427	136	347 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H7U-7NCB-KDNN-NGN	46,000	308	149	347 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H7U-4NCB-KDNN-NGN	42,900	308	139	347 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H7U-2NCB-KDNN-NGN	43,600	308	142	347 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H7U-7MCB-KDNN-NGN	46,000	308	149	347 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H7U-4MCB-KDNN-NGN	42,900	308	139	347 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H7U-2MCB-KDNN-NGN	43,600	308	142	347 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming

All values typical unless otherwise stated (tolerance +/- 10%).

Neutral white color temperature is available for products in the above table. Replace the sixth character C with N. Ex: H7U-7MC2-RDNN-NGN becomes H7U-7MN2-RDNN-NGN.

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Ordering Information

Vigilant® LED High Output High Bay - Low Profile - Standard Models



Part Number	Fixture Lumen	Watt	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution	Controls
Standard Models - 480 VAC Models									
H7U-7NCD-RDNN-NGN	70,500	494	143	480 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H7U-4NCD-RDNN-NGN	65,700	494	133	480 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H7U-2NCD-RDNN-NGN	66,800	494	135	480 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H7U-7MCD-RDNN-NGN	70,500	494	143	480 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H7U-4MCD-RDNN-NGN	65,700	494	133	480 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H7U-2MCD-RDNN-NGN	66,800	494	135	480 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H7U-7NCD-NDNN-NGN	61,200	427	143	480 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H7U-4NCD-NDNN-NGN	57,100	427	134	480 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H7U-2NCD-NDNN-NGN	58,000	427	136	480 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H7U-7MCD-NDNN-NGN	61,200	427	143	480 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H7U-4MCD-NDNN-NGN	57,100	427	134	480 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H7U-2MCD-NDNN-NGN	58,000	427	136	480 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H7U-7NCD-KDNN-NGN	46,000	308	149	480 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H7U-4NCD-KDNN-NGN	42,900	308	139	480 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H7U-2NCD-KDNN-NGN	43,600	308	142	480 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H7U-7MCD-KDNN-NGN	46,000	308	149	480 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H7U-4MCD-KDNN-NGN	42,900	308	139	480 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H7U-2MCD-KDNN-NGN	43,600	308	142	480 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming

All values typical unless otherwise stated (tolerance +/- 10%).

Neutral white color temperature is available for products in the above table. Replace the sixth character C with N. Ex: H7U-7MCD-RDNN-NGN becomes H7U-7MND-RDNN-NGN.

Mounting Accessories



H6XCAB72

- 72" stainless steel safety rope
- Kit includes: (1) cable
- Two (2) cables required for each fixture

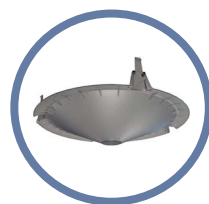


H6X-H

- Hook

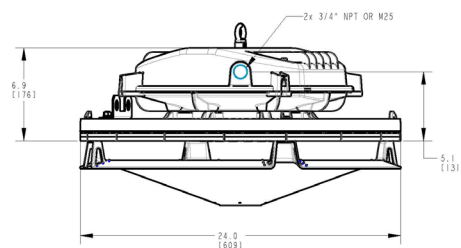
H6XCAB60

- 60" stainless steel safety rope
- Kit includes: (1) cable
- Two (2) cables required for each fixture



H6XDIFFUSER

- Diffuser
- Patent pending



Dimensions in inches [mm]

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Vigilant® LED Area Light

100-277 VAC, 120-250 VDC

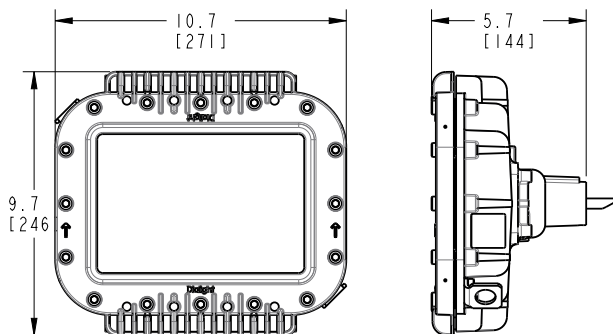


Certifications & Ratings*

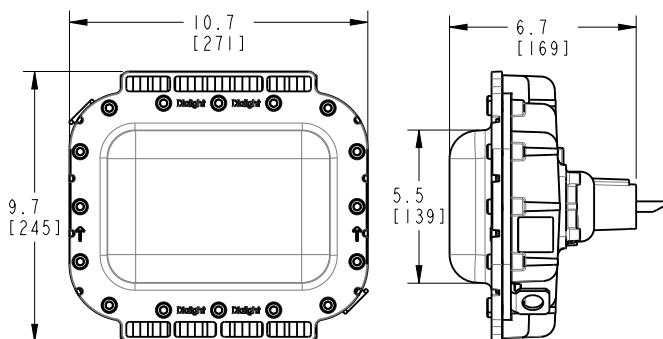
- 10 year warranty
- L70 > 150,000 hours @ 65°C
- UL 1598/A
- CSA C22.2 No. 250
- NOM
- IP66 / 67 / 69
- NEMA 4X
- Factory sealed

*ETL listed

Tempered Glass Lens



Polycarbonate Lens



Dimensions in inches [mm]

Mechanical Information:

Fixture weight: 10 lb (4.5 kg) - Polycarbonate lens
12 lb (5.5 kg) - Tempered glass lens
with stainless steel bracket: 13 lb (5.9 kg) - Polycarbonate lens
15 lb (6.8 kg) - Tempered glass lens

Shipping weight: Add 2 lb (0.91 kg) to weights above

Impact rating: IK10 - Polycarbonate lens
IK07 - Tempered glass lens

Cabling: 10' STOOW 1.02 mm 18 AWG

Electrical Specifications:

Operating voltage: 100-277 VAC 50/60Hz, 120-250 VDC

Operating temperature: -40°F to +149°F (-40°C to +65°C)

EMC: FCC Title 47, Subpart B, Section 15, Class A device
RF Immunity 20V/m 80MHz-1GHz.

Transient protection: 6 kV, 2 Ohm line-line and line-ground

Harmonics: IEC 61000-3-2, Class C

THD: < 20%

Power factor: > 0.9

Power Supply:

ALT: (accelerated life testing) Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected

Driver: Fully potted and sealed for superior protection

Construction:

Housing: Copper-free aluminum

Finish: Superior dual coat finish
- Sealed polyester topcoat
- Epoxy primer

Lens: Hard-coated polycarbonate
Tempered glass

Vibration: Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock: 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI: 80

CCT: 5000K (cool white)
4000K (neutral white)

Optics: 360°
180° forward throw for 45° mounting
Wide for 0° mounting

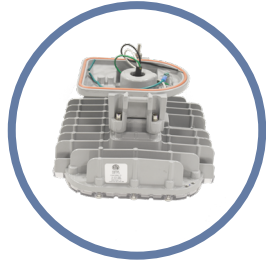
All values typical unless otherwise stated (tolerance +/- 10%)

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Vigilant® LED Area Light

100-277 VAC, 120-250 VDC with Universal Mounting Adapter

Universal Mounting Adapter



For use with HZXW01, HZXW45, HZXS45 or HZXFM brackets sold separately



HZXW01



HZXS45



HZXS90 / HZXT90



HZXC34

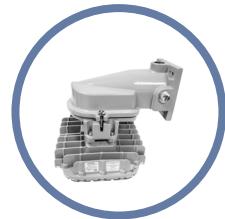


HZXW45

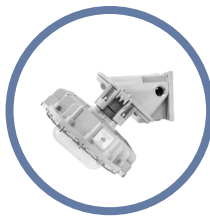


HZXFM

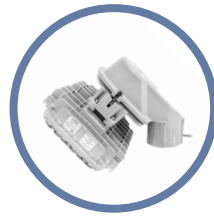
Wall & Ceiling Mount



45° Wall Mount



45° Stanchion Mount



Ceiling Mount



Conveyor Mount



90° Stanchion Mount



Certifications & Ratings*

- 10 year warranty
- L70 > 150,000h @ 65°C
- UL 1598/A
- CSA C22.2 No. 250
- NOM
- IP66 / 67
- NEMA 4X
- Factory sealed

*ETL listed

Mechanical Information:

Fixture weight:

UMA models:

12 lb (5.5 kg) - Polycarbonate lens

15 lb (6.8 kg) - Tempered glass lens

Wall mount models:

15 lb (6.8 kg) - Polycarbonate lens

18 lb (8.2 kg) - Tempered glass lens

45° wall mount models:

14 lb (6.4 kg) - Polycarbonate lens

17 lb (7.7 kg) - Tempered glass lens

45° stanchion mount:

15 lb (6.8 kg) - Polycarbonate lens

18 lb (8.2 kg) - Tempered glass lens

Ceiling mount:

14 lb (6.4 kg) - Polycarbonate lens

7 lb (7.7 kg) - Tempered glass lens

90° stanchion mount:

16 lb (7.2 kg) - Polycarbonate lens

19 lb (8.6 kg) - Tempered glass lens

Shipping weight:

Add 2 lb (0.91 kg) to weights above

Impact rating:

IK10 - Polycarbonate lens

IK07 - Tempered glass lens

Cabling:

14" leads 1.02 mm 18 AWG

Electrical Specifications:

Operating voltage:

100-277 VAC 50/60 Hz, 120-250 VDC

Operating temperature:

-40°F to +149°F (-40°C to +65°C)

EMC:

FCC Title 47, Subpart B, Section 15, Class A device
RF Immunity 20V/m 80MHz-1GHz.

Transient protection:

6 kV, 2 Ohm line-line and line-ground

Harmonics:

IEC 61000-3-2, Class C

THD:

< 20%

Power factor:

> 0.9

Power Supply:

ALT:

(accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF:

(mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper-free aluminum

Finish:

Superior dual coat finish
- Sealed polyester topcoat
- Epoxy primer

Lens:

Hard-coated polycarbonate
Tempered glass

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:

80

CCT:

5000K (cool white)
4000K (neutral white)

Optics:

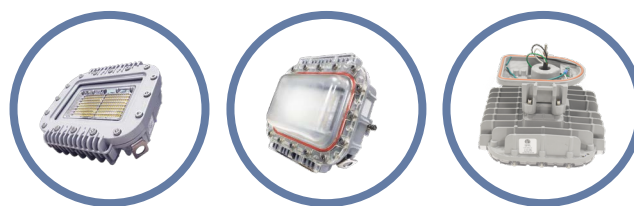
360°
180° forward throw for 45° mounting
Wide for 0° mounting

All values typical unless otherwise stated (tolerance +/- 10%)

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Vigilant® LED Area Light

100-277 VAC, 120-250 VDC

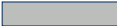



Project Information		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications

Ordering Information

Product Code	Cert.	Lens Material	Beam Dist.	CCT & CRI	Oper. Voltage	Lumen Type	Controls	Mounting Options	HW Access.	Elect. Access.	Coatings	Battery
AL	U				2					N	G	N

Product Code	CCT & CRI	Mounting Options	Hardware Accessories
AL Area Light	C Cool White 5000K - 80 CRI N Neutral White 4000K - 80 CRI	 Retro-fit Adapter  Universal Mounting Adapter (UMA)	N For Mounting Options - A, C, F, G, H, K, M, S, U, V, W, Y (individual wire leads are terminated in adapter housing) W 10 ft (3 meter) Power Cable for Mounting Options - B, N
Certification	Operating Voltage	N 3/4" NPT Pendant	Electrical Accessories
U UL 1598/A CSA 22.2 No. 250.0	2 100-277 VAC, 120-250 VDC	A Appleton Mercmaster III C Crouse-Hinds - Champ E GE Mini-Gard G GE Filtr-Gard H Thomas & Betts Hazlux K Killark Certilite & Certilite V M Appleton Mercmaster II P Holophane Petrolux II and III	N No Option
Lens Material	Lumen Type	F Ceiling Mount R 90° Stanchion Mount (Slip) S 45° Stanchion Mount T 90° Stanchion Mount (NPT) U UMA - Mounting Hub V 0° Wall Mount W 45° Wall Mount Y 34mm Conveyor Mount	Coatings
5 Polycarbonate - Diffused 7 Tempered Glass - Clear	3 3,100 Lumens 4 4,200 Lumens 6 5,700 Lumens 7 7,300 Lumens 9 9,000 Lumens		G Gray (RAL 7040)
Beam Distribution	*For lumen output see page 21		Battery
A 180° B 360° W Wide	Controls		N No Option
	D Dimming (0-10V) N No Option		

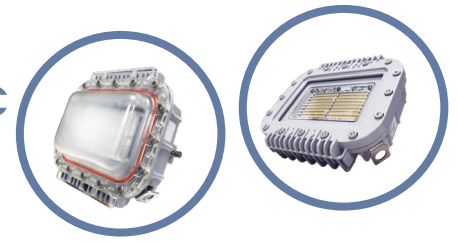
Notes

- For DLC approved model, dimming option is required.
- When ordering Beam Distribution W - Wide: Lumen Type = 7.
- When ordering Mounting Options "UMA" or "Retro-fit": Hardware Accessories = N
- When ordering Mounting Option U - UMA Mounting Hub HZXW01, HZXW45, HZXS45, HZXS90, HZXT90, HZXFM or HZXC34 are required. See page 28 for details.
- Lumen outputs shown are for Tempered Glass lens, 360° optic. For additional options please see page 21.
- GE Mini-Gard retrofit adapter models are not UL1598/A Outside-Type certified.

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Ordering Information

Vigilant® LED Area Light - 100-277 VAC, 120-250 VDC



Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
100-277 VAC, 120-250 VDC Model								
ALU-7AC2-9NNW-NGN	8,800	66	133	CW	Tempered Glass	180°	No Option	3/4" NPT
ALU-5AC2-9NNW-NGN	8,100	66	123	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALU-7BC2-9NNW-NGN	9,000	66	136	CW	Tempered Glass	360°	No Option	3/4" NPT
ALU-5BC2-9NNW-NGN	8,300	66	126	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
ALU-7AC2-7NNW-NGN	7,100	52	137	CW	Tempered Glass	180°	No Option	3/4" NPT
ALU-5AC2-7NNW-NGN	6,600	52	127	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALU-7BC2-7NNW-NGN	7,300	52	140	CW	Tempered Glass	360°	No Option	3/4" NPT
ALU-5BC2-7NNW-NGN	6,700	52	129	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
ALU-7WC2-7NNW-NGN	7,300	64	114	CW	Tempered Glass	Wide	No Option	3/4" NPT
ALU-5WC2-7NNW-NGN	6,700	64	105	CW	Polycarbonate Diffused	Wide	No Option	3/4" NPT
ALU-7AC2-6NNW-NGN	5,500	40	138	CW	Tempered Glass	180°	No Option	3/4" NPT
ALU-5AC2-6NNW-NGN	5,100	40	128	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALU-7BC2-6NNW-NGN	5,700	40	143	CW	Tempered Glass	360°	No Option	3/4" NPT
ALU-5BC2-6NNW-NGN	5,300	40	133	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
ALU-7AC2-4NNW-NGN	4,100	30	137	CW	Tempered Glass	180°	No Option	3/4" NPT
ALU-5AC2-4NNW-NGN	3,800	30	127	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALU-7BC2-4NNW-NGN	4,200	30	140	CW	Tempered Glass	360°	No Option	3/4" NPT
ALU-5BC2-4NNW-NGN	3,900	30	130	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
ALU-7AC2-3NNW-NGN	3,000	24	125	CW	Tempered Glass	180°	No Option	3/4" NPT
ALU-5AC2-3NNW-NGN	2,800	24	117	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALU-7BC2-3NNW-NGN	3,100	24	129	CW	Tempered Glass	360°	No Option	3/4" NPT
ALU-5BC2-3NNW-NGN	2,800	24	117	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
100-277 VAC, 120-250 VDC Model with Retro-fit Adapters - Crouse Hinds								
ALU-7BC2-7NCN-NGN	7,300	52	140	CW	Tempered Glass	360°	No Option	Retro-fit: Crouse Hinds
ALU-5BC2-7NCN-NGN	6,700	52	129	CW	Polycarbonate Diffused	360°	No Option	Retro-fit: Crouse Hinds
ALU-7BC2-6NCN-NGN	5,700	40	143	CW	Tempered Glass	360°	No Option	Retro-fit: Crouse Hinds
ALU-5BC2-6NCN-NGN	5,300	40	133	CW	Polycarbonate Diffused	360°	No Option	Retro-fit: Crouse Hinds
100-277 VAC, 120-250 VDC Model with Retro-fit Adapters - GE								
ALU-7BC2-7NGN-NGN	7,300	52	140	CW	Tempered Glass	360°	No Option	Retro-fit: GE
ALU-5BC2-7NGN-NGN	6,700	52	129	CW	Polycarbonate Diffused	360°	No Option	Retro-fit: GE
ALU-7BC2-6NGN-NGN	5,700	40	143	CW	Tempered Glass	360°	No Option	Retro-fit: GE
ALU-5BC2-6NGN-NGN	5,300	40	133	CW	Polycarbonate Diffused	360°	No Option	Retro-fit: GE

All values typical unless otherwise stated (tolerance +/- 10%).

See ordering chart for additional options.

For DLC-approved products that require 0-10V dimming, replace the 9th character "N" with "D". ALU-7BC2-9NNW-NGN becomes ALU-7BC2-9DNW-NGN. 0-10V dimming products are supplied with a 5 conductor cable.

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Ordering Information

Vigilant® LED Area Light - 100-277 VAC, 120-250 VDC

with Universal Mounting Adapter



Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
100-277 VAC, 120-250 VDC with Universal Mounting Adapter								
ALU-7AC2-7NUN-NGN	7,100	52	137	CW	Tempered Glass	180°	No Option	UMA Hub
ALU-5AC2-7NUN-NGN	6,600	52	127	CW	Polycarbonate Diffused	180°	No Option	UMA Hub
ALU-7BC2-7NUN-NGN	7,300	52	140	CW	Tempered Glass	360°	No Option	UMA Hub
ALU-5BC2-7NUN-NGN	6,700	52	129	CW	Polycarbonate Diffused	360°	No Option	UMA Hub
ALU-7AC2-6NUN-NGN	5,500	40	138	CW	Tempered Glass	180°	No Option	UMA Hub
ALU-5AC2-6NUN-NGN	5,100	40	128	CW	Polycarbonate Diffused	180°	No Option	UMA Hub
ALU-7BC2-6NUN-NGN	5,700	40	143	CW	Tempered Glass	360°	No Option	UMA Hub
ALU-5BC2-6NUN-NGN	5,300	40	133	CW	Polycarbonate Diffused	360°	No Option	UMA Hub
ALU-7AC2-7NSN-NGN	7,100	52	137	CW	Tempered Glass	180°	No Option	45° Stanchion
ALU-5AC2-7NSN-NGN	6,600	52	127	CW	Polycarbonate Diffused	180°	No Option	45° Stanchion
ALU-7AC2-6NSN-NGN	5,500	40	138	CW	Tempered Glass	180°	No Option	45° Stanchion
ALU-5AC2-6NSN-NGN	5,100	40	128	CW	Polycarbonate Diffused	180°	No Option	45° Stanchion
ALU-7AC2-4NSN-NGN	4,100	30	137	CW	Tempered Glass	180°	No Option	45° Stanchion
ALU-5AC2-4NSN-NGN	3,800	30	127	CW	Polycarbonate Diffused	180°	No Option	45° Stanchion
ALU-7AC2-7NWN-NGN	7,100	52	137	CW	Tempered Glass	180°	No Option	45° Wall
ALU-5AC2-7NWN-NGN	6,600	52	127	CW	Polycarbonate Diffused	180°	No Option	45° Wall
ALU-7AC2-6NWN-NGN	5,500	40	138	CW	Tempered Glass	180°	No Option	45° Wall
ALU-5AC2-6NWN-NGN	5,100	40	128	CW	Polycarbonate Diffused	180°	No Option	45° Wall
ALU-7AC2-4NWN-NGN	4,100	30	137	CW	Tempered Glass	180°	No Option	45° Wall
ALU-5AC2-4NWN-NGN	3,800	30	127	CW	Polycarbonate Diffused	180°	No Option	45° Wall
ALU-7AC2-7NVN-NGN	7,100	52	137	CW	Tempered Glass	180°	No Option	0° Wall
ALU-5AC2-7NVN-NGN	6,600	52	127	CW	Polycarbonate Diffused	180°	No Option	0° Wall
ALU-7AC2-6NVN-NGN	5,500	40	138	CW	Tempered Glass	180°	No Option	0° Wall
ALU-5AC2-6NVN-NGN	5,100	40	128	CW	Polycarbonate Diffused	180°	No Option	0° Wall
ALU-7AC2-4NVN-NGN	4,100	30	137	CW	Tempered Glass	180°	No Option	0° Wall
ALU-5AC2-4NVN-NGN	3,800	30	127	CW	Polycarbonate Diffused	180°	No Option	0° Wall
ALU-7BC2-7NFN-NGN	7,100	52	137	CW	Tempered Glass	360°	No Option	Ceiling Mount
ALU-5BC2-7NFN-NGN	6,600	52	127	CW	Polycarbonate Diffused	360°	No Option	Ceiling Mount
ALU-7BC2-6NFN-NGN	5,500	40	138	CW	Tempered Glass	360°	No Option	Ceiling Mount
ALU-5BC2-6NFN-NGN	5,100	40	128	CW	Polycarbonate Diffused	360°	No Option	Ceiling Mount
ALU-7BC2-4NFN-NGN	4,100	30	137	CW	Tempered Glass	360°	No Option	Ceiling Mount
ALU-5BC2-4NFN-NGN	3,800	30	127	CW	Polycarbonate Diffused	360°	No Option	Ceiling Mount

All values typical unless otherwise stated (tolerance +/- 10%).

See ordering chart for additional options.

For DLC-approved products that require 0-10V dimming, replace the 9th character "N" with "D". ALU-7BC2-9NNW-NGN becomes ALU-7BC2-9DNW-NGN.

0-10V dimming products are supplied with a 5 conductor cable.

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Vigilant® LED Area Light

Lumen Tables

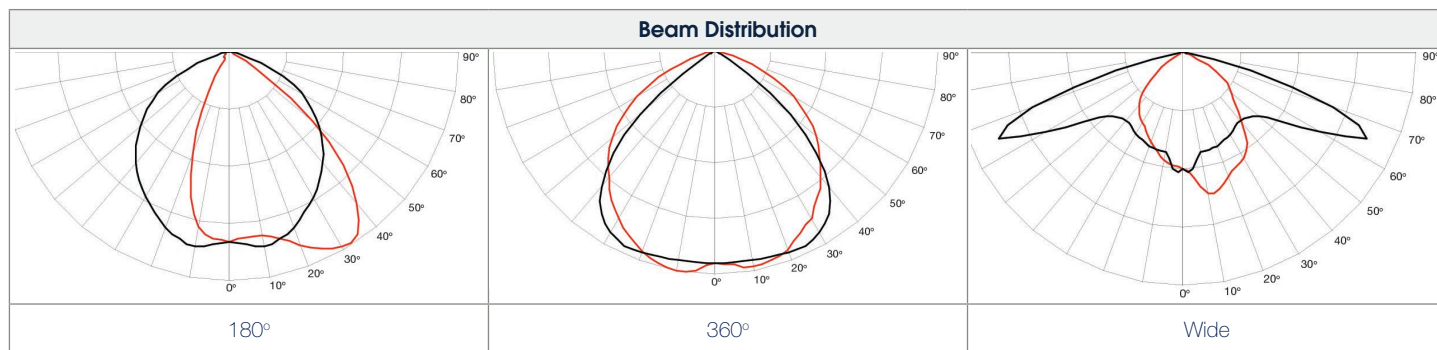
100-277 VAC, 120-250 VDC									
Output Family	Beam Distribution	Lens	Wattage	Lumens 5000 CCT	5000 CCT lm/W	Lumens 4000 CCT	4000 CCT lm/W	Lumens 2700 CCT	2700 CCT lm/W
9,000	360°	Tempered Glass	66	9000	136	8800	134	8200	124
		Class I, Div 1 Glass		8600	131	8400	128	7900	120
		Polycarbonate		8300	127	8100	123	7600	115
	180°	Tempered Glass		8800	134	8600	131	8000	121
		Class I, Div 1 Glass		8400	128	8200	125	7700	117
		Polycarbonate		8100	124	7900	120	7400	112
7,300	360°	Tempered Glass	52	7300	140	7100	138	6700	129
		Class I, Div 1 Glass		7000	135	6800	132	6400	123
		Polycarbonate		6700	131	6500	126	6100	117
	180°	Tempered Glass		7100	138	6900	134	6500	125
		Class I, Div 1 Glass		6800	132	6600	128	6200	119
		Polycarbonate		6600	128	6400	124	6000	115
	Wide	Tempered Glass	64	7300	114	7100	112	6700	105
		Class I, Div 1 Glass		7000	110	6800	107	6400	100
		Polycarbonate		6700	106	6500	103	6100	95
5,700	360°	Tempered Glass	40	5700	143	5500	140	5200	130
		Class I, Div 1 Glass		5400	137	5200	132	4900	123
		Polycarbonate		5300	133	5100	130	4800	120
	180°	Tempered Glass		5500	140	5300	135	5000	125
		Class I, Div 1 Glass		5300	134	5100	130	4800	120
		Polycarbonate		5100	130	4900	125	4600	115
4,200	360°	Tempered Glass	30	4200	140	4100	137	3800	127
		Class I, Div 1 Glass		4000	134	3900	131	3600	120
		Polycarbonate		3900	130	3800	127	3900	130
	180°	Tempered Glass		4100	137	4000	134	4100	137
		Class I, Div 1 Glass		3900	132	3800	127	3900	130
		Polycarbonate		3800	127	3700	124	3400	113
3,100	360°	Tempered Glass	24	3100	129	3000	127	2800	117
		Class I, Div 1 Glass		2900	124	2900	121	2600	108
		Polycarbonate		2800	120	2700	114	2500	104
	180°	Tempered Glass		3000	127	2900	123	2700	113
		Class I, Div 1 Glass		2900	121	2800	118	2600	108
		Polycarbonate		2800	118	2700	114	2500	104

All values typical unless otherwise stated (tolerance +/- 10%)
For lighting layouts, please find IES files at www.dialight.com

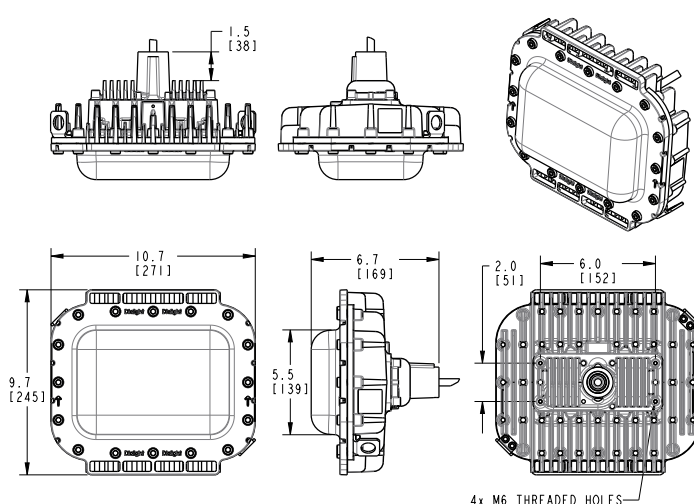
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Vigilant® LED Area Light

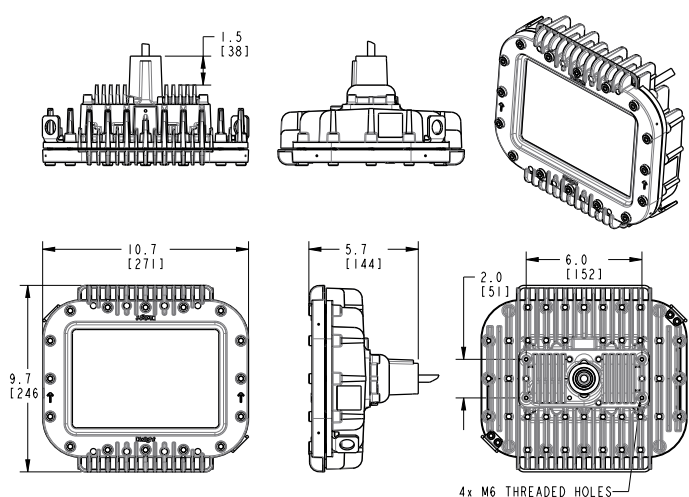
Beam Distribution & Dimensional Drawings



Polycarbonate Lens - Option 5



Tempered Glass Lens - Option 7

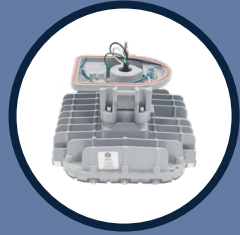


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Vigilant® LED Area Light

Accessories

Area Lights with Universal Mounting Adapter & Brackets Sold Separately



UMA Area Light
ALx-xxxx-xxUx-xxN

+



Stanchion 45°
HZXS45



Wall 45°
HZXW45



Wall 0°
HZXW01



Conveyor
HZXCVC34



Ceiling
HZXFM



Stanchion 90°
HZXS90 / HZXT90



Certified to: UL 50E • CSA C22.2 No. 94.2-07

HZXSTAN100S

- 1.00" (1.315" Pole OD) Slip-fit stanchion mount

HZXSTAN125S

- 1.25" (1.660" Pole OD) Slip-fit stanchion mount

HZXSTAN150S

- 1.50" (1.900" Pole OD) Slip-fit stanchion mount

HZXSTAN200S

- 2.00" (2.375" Pole OD) Slip-fit stanchion mount

HZXSTAN100T

- 1.00" (1.315" Pole OD) NPT threaded stanchion mount

HZXSTAN125T

- 1.25" (1.660" Pole OD) NPT threaded stanchion mount

HZXSTAN150T

- 1.50" (1.900" Pole OD) NPT threaded stanchion mount

HZXSTAN200T

- 2.00" (2.375" Pole OD) NPT threaded stanchion mount



HZXW3

- 316 stainless steel bracket

HZXW7

- Aluminum bracket

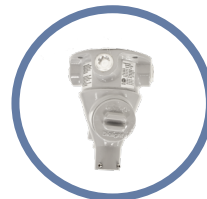


HZXW4

- 316 stainless steel bracket with pipe clamp

HZXW8

- Aluminum bracket with pipe clamp



Certified to: UL 50E • UL 1203

ISA 12.12.01 • CSA C22.2 No. 94.2-07

HBXC1

- 0.75" NPT Ceiling mount



Certified to: UL 50E • CSA C22.2 No. 94.2-07

HZXJB075

- 0.75" Ceiling / Wall / Pole mount junction box

HZXJB100

- 1.00" Ceiling / Wall / Pole mount junction box

HZXJB125

- 1.25" Ceiling / Wall / Pole mount junction box

HZXJB150

- 1.50" Ceiling / Wall / Pole mount junction box



HZXSAFECBLS

- Safety cable kit

Please reference spec sheet at www.dialight.com for all dimensional drawings of mounting options.

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Vigilant® LED Area Light

Retro-fit Options

Retro-fit adapters can be factory installed. See product ordering information for details.

Eaton's Crouse-Hinds – Champ®
 GE Lighting Solutions – Filtr-Gard™
 GE Lighting Solutions – Mini-Gard™
 Holophane Petrolux® II, III
 Thomas & Betts Hazlux®
 Appleton® Mercmaster III
 Appleton® Mercmaster II
 Killark® Certilite® & Certilite® V

*Petrolux adapter available as a standalone accessory only



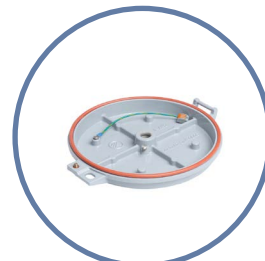
Eaton's Crouse-Hinds – Champ® - HZXTHCH				
Pendant	Ceiling	Wall	Stanchion	Quad Mount
APM2	CM2	TWM2	JM5	QM25
APM3	CM3	TWM3	PM5	
HPM2				



GE Lighting Solutions – Filtr-Gard™ - HZXTHGE				
Pendant	Ceiling	Wall	Stanchion	Quad Mount
3P	3F	3C	3W	5S
4P	4F		4W	6S
				5J, 6J



Holophane® Petrolux II, III - HZXTHP3				
Pendant	Universal	Stanchion	Ceiling	Wall
PD	UN	SA	CD	WL
GH		ST	CE	W
P		A	B, C, D	



GE Lighting Solutions – Mini-Gard™ - HZXTHMG			
Pendant	Ceiling	Stanchion	Wall
3P	3C	5S	3W
4P	4C	5J	4W
		6S	
		6J	

Please reference spec sheet at www.dialight.com for all dimensional drawings of retro-fit options.

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Vigilant® LED Area Light

Retro-fit Options



Thomas & Betts Hazlux® - HZXTHTB				
Pendant	Pendant Cone	Flexible Pendant	Ceiling	Wall
VP2	VA2	VF2	VC2	VB2
VP3	VA3	VF3	VC3	VB3
Wall	25° Angle Stanchion	25° Angle Stanchion	Straight Stanchion	Straight Stanchion
VB2-VIB	VS4	VS4-VIB	VL4	VL4-VIB
VB3-VIB	VS5	VS5-VIB	VL5	VL5-VIB



Appleton® Mercmaster III - HZXTHAP			
Pendant	Ceiling	Wall	Stanchion
KPA- 75, 100	KPC-75	KPWB-75	KPS-125
KPAF-75, 100	KPC-100	KPWB-100	KPS-150
KPCH-75, 100			KPST-125
			KPST-150



Appleton® Mercmaster II - HZXTHM2			
Pendant	Ceiling	Wall	Stanchion
LPA-75	LPC-75	LPWB-75	LPS-125
LPA-100	LPC-100	LPWB-100	LPS-150



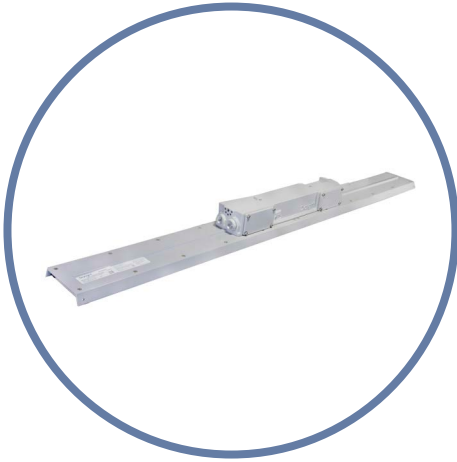
Killark® Certilite® & Certilite® V - HZXTHKL			
Pendant	Ceiling	Wall	Stanchion
VMA2B & VMA-2	VMX2B & VMX-2	VMB2B & VMB-2	VMD4B
VMA3B & VMA-3	VMX3B & VMX-3	VMB3B & VMB-3	VMD5B
VMC2B & VMC-2	VMX6B, 7B, 8B, 9B		VMS5B
VMC3B & VMC-3			
VMF2B, 3B			

Please reference spec sheet at www.dialight.com for all dimensional drawings of retro-fit options.

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Vigilant® LED Linear

Low Profile - 10 year warranty

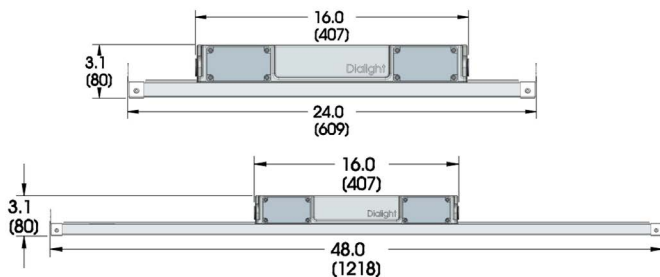


Certifications & Ratings

- UL 1598/A¹
- CSA C22.2 No. 250¹
- IP66/67
- NEMA 4X
- 2000 PSI hose-down rating²
- DLC Premium & Standard

¹ETL listed

²Internally tested



Dimensions in inches [mm]

Mechanical Information:

- Fixture weight:** 4' - 11 lb (5.0 kg)
2' - 8 lb (3.6 kg)
- Shipping weight:** 4' - 12 lb (5.4 kg)
2' - 9 lb (4.1 kg)
- Mounting:** (4) 3/4" NPT openings
Optional swivel bracket - LPXW4
Optional low profile bracket - LPXW4LP

Variable Dimming:

- Variable dimming control:** 0-10 VDC
- Dimming range:** 10 VDC = 100% light output
0 VDC = 5% light output

Electrical Specifications:

- Operating voltage:** 100-277 VAC, 50/60Hz
120-250 VDC
- Power consumption:** See ordering information
- Operating temp:** -40°F to +149°F (-40°C to +65°C)
- EMC:** FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
- Surge protection:** EN 61000-4-5
6 kV line-to-line
6 kV line-to-ground
- Harmonics:** IEC 61000-3-2 Class C
ATHD<20%
- Power factor:** > 0.9

Power Supply:

- ALT:** (accelerated life testing) Over 15 yr equivalent at 24/7 service
- MTBF:** (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected
- Driver:** Fully potted and sealed for superior protection

Construction:

- Finish:** Superior dual coat finish
- Sealed polyester topcoat
- Chemical resistant epoxy primer
- Lens:** Polycarbonate
- Vibration:** Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
- Shock:** 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

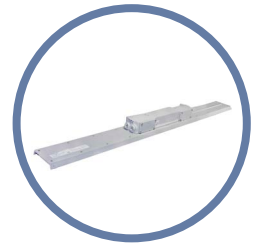
Photometric Information:

- CRI:** 80
- CCT:** 5000K (cool white)
4000K (neutral white)
- IES files:** Available at www.dialight.com
- All values typical unless otherwise stated (tolerance +/- 10%)

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Ordering Information

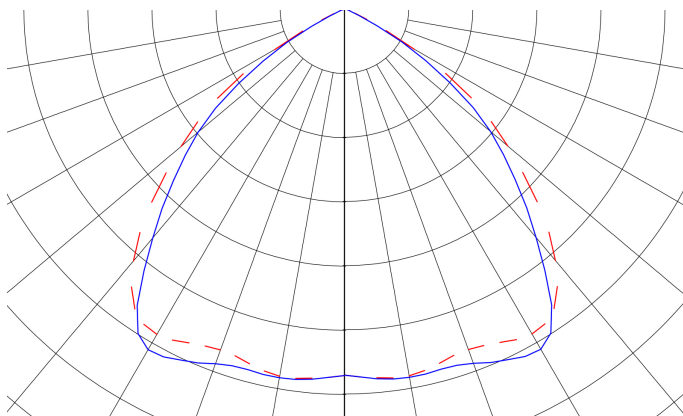
Vigilant® LED Linear - Low Profile - 10 year warranty



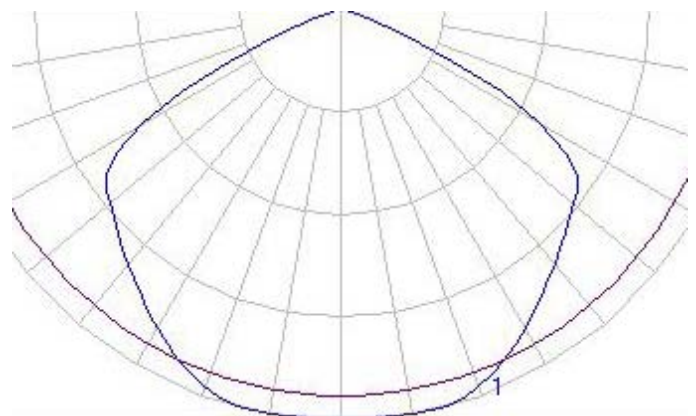
Part Number (x = CCT placeholder)	Length	CRI	Wattage	Fixture Lumens		lm/W		Voltage	Lens	Beam Distribution
				5000K	4000K	5000K	4000K			
LKU-4M(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LKU-5M(x)2-9DNN-NGN	4'	80	70	8,800	8,500	125	121	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LKU-4W(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LKU-4M(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LKU-5M(x)2-7DNN-NGN	4'	80	52	6,550	6,250	126	120	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LKU-4W(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LJU-4M(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LJU-5M(x)2-5DNN-NGN	2'	80	37	4,450	4,200	120	114	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LJU-4W(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide

All values typical unless otherwise stated (tolerance +/- 10%)
 CCT placeholders - C=5000K (cool white), N= 4000K (neutral white)
 For additional ordering options, please consult factory.

Medium



Wide



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Vigilant® LED Linear

Top Conduit - 10 year warranty

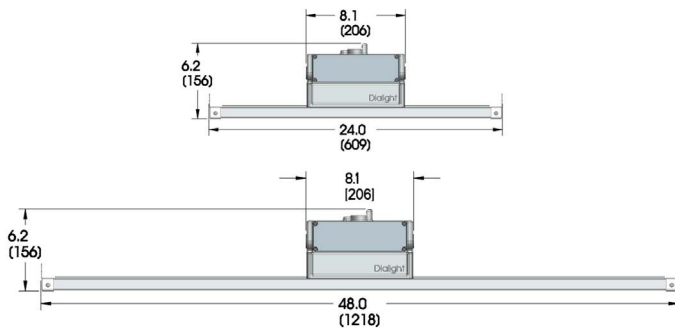


Certifications & Ratings

- UL 1598/A¹
- CSA C22.2 No. 250¹
- IP66/67
- NEMA 4X
- 2000 PSI hose-down rating²
- DLC Premium & Standard

¹ETL listed

²Internally tested



Dimensions in inches [mm]

Mechanical Information:

Fixture weight:	4' - 11 lb (5.0 kg) 2' - 8 lb (3.6 kg)
Shipping weight:	4' - 12 lb (5.4 kg) 2' - 9 lb (4.1 kg)
Mounting:	(3) 3/4" NPT openings Optional swivel bracket - LTXW4 Optional low profile bracket - LTXW4LP

Variable Dimming:

Variable dimming control:	0-10 VDC
Dimming range:	10 VDC = 100% light output 0 VDC = 5% light output

Electrical Specifications:

Operating voltage:	100-277 VAC, 50/60Hz 120-250 VDC
Power consumption:	See ordering information
Operating temp:	-40°F to +149°F (-40°C to +65°C)
EMC:	FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
Surge protection:	EN 61000-4-5 6 kV line-to-line 6 kV line-to-ground
Harmonics:	IEC 61000-3-2 Class C ATHD<20%
Power factor:	> 0.9

Power Supply:

ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
Lens:	Polycarbonate
Vibration:	Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
Shock:	50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

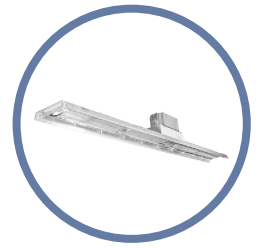
Photometric Information:

CRI:	80
CCT: 4000K (neutral white)	5000K (cool white)
IES files:	Available at www.dialight.com
All values typical unless otherwise stated (tolerance +/- 10%)	

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Ordering Information

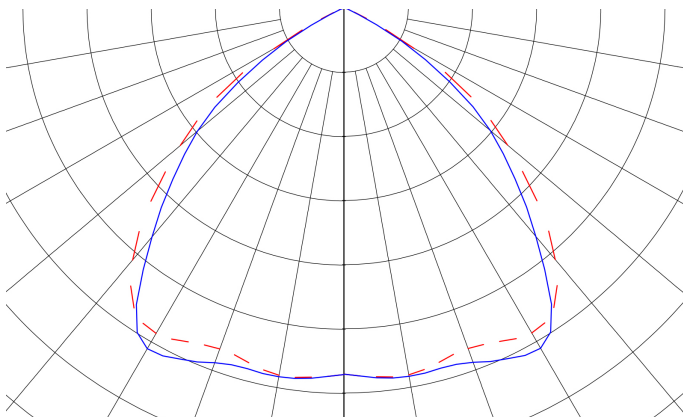
Vigilant® LED Linear - Top Conduit - 10 year warranty



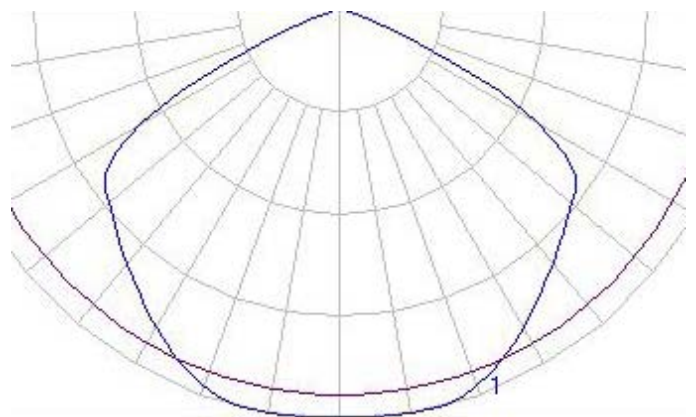
Part Number (x = CCT placeholder)	Length	CRI	Wattage	Fixture Lumens		lm/W		Voltage	Lens	Beam Distribution
				5000K	4000K	5000K	4000K			
LHU-4M(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LHU-5M(x)2-9DNN-NGN	4'	80	70	8,800	8,500	125	121	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LHU-4W(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LHU-4M(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LHU-5M(x)2-7DNN-NGN	4'	80	52	6,550	6,250	126	120	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LHU-4W(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LGU-4M(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LGU-5M(x)2-5DNN-NGN	2'	80	37	4,450	4,200	120	114	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LGU-4W(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide

All values typical unless otherwise stated (tolerance +/- 10%)
 CCT placeholders - C=5000K (cool white), N= 4000K (neutral white)
 For additional ordering options, please consult factory.

Medium



Wide



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DuroSite® LED High Bay

Technical Spec Sheet



Certifications & Ratings

- 5 year warranty
- UL 1598
- CSA C22.2 No. 250
- Dry or damp locations
- DLC qualified product
- L70 @ 65,000 hours

Mechanical Information:

Fixture weight*:

12" Model:	10 lb (4.5 kg)
18" Model:	14 lb (6.4 kg)
24" Model:	18 lb (8.2 kg)

*Battery option is an additional 5 lb (2.3 kg)

Mounting:	V-hangers standard Cable suspension and hub/hook mount options available
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Cable entry:	(3) 7/8" knockouts at top of fixture
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Variable Dimming:

Variable Dimming Control: 0-10 VDC standard, 10%-100%

Electrical Specifications:

Operating Voltage:	120-277 VAC 347 VAC 480 VAC
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Total system power consumption:	See table
--	-----------

Operating Temp:	-40°F to +104°F (-40°C to +40°C)
w/ Battery:	+32°F to +104°F (0°C to +40°C)

Surge protection:	2.5kV
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THD:	<20%
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Power Factor:	>0.9
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Construction:

Finish:	Grey / White
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Photometric Information:

CRI:	80
CCT:	4000K 5000K

All values typical unless otherwise stated (tolerance +/- 10%)

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DuroSite® LED High Bay

Ordering Information



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

D	A	U		W								G	
Product Code	Form Factor	Cert.	Lens Material	Optic	CRI & CCT	Oper. Voltage	Lumen Type	Controls	Mounting Options	Power Cable	Elect. Access.	Coatings	Battery
Product Code				Optic			Lumen Type³			Power Cable			
D DuroSite® High Bay				W White Highly Reflective Paint			A 12,000			V 8' 18-5 Power Cord			
							C 18,000			N No Cord			
							E 24,000						
							F 30,000						
							H 36,000						
Form Factor					CRI & CCT²						Electrical Accessories		
A 2' Model					C Cool White 5000K - 80 CRI						3 8' Cord with 120V Plug, NEMA Twistlock L5-15		
					N Neutral White 4000K - 80 CRI						8 8' Cord with 277V Plug, NEMA Twistlock L7-15		
											N No Plug		
Certification						Operating Voltage		Controls				Coatings	
U UL / CSA						2 120-277 VAC		D Driver with 0-10V Dimming				G White/Grey	
						B 347 VAC		H Wattstopper FSP221B PIR Motion Sensor w/ Daylight Harvesting					
						D 480 VAC							
Lens Material¹								Mounting Options					Battery
3 Diffused Acrylic								D (2) Cable Suspension Kits - 10'					B 10-Watt Emergency Battery
5 Diffused Polycarbonate								U Cast Iron Hub & Junction Box for 3/4" Pendant Mount					N No Option
								V (2) V-Hangers - Standard					

Notes

- 1) For Diffused Polycarbonate Lens option, reduce nominal lumens by 5%
- 2) For Cool White 5000K - 80 CRI option, increase nominal lumens by 3%
- 3) Nominal lumens at 4000K with Diffused Acrylic Lens option.

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DuroSite® LED High Bay

Ordering Information

Part Number	Width	Fixture Lumens	Wattage	lm/W	Lens	CCT	Controls	Mounting
120-277 VAC Models								
DAU-3WC2-ADV-N-NGN	12"	12,280	91	135	Acrylic	CW	Dimming	V-hangers
DAU-3WC2-CDVN-NGN	18"	18,540	126	147	Acrylic	CW	Dimming	V-hangers
DAU-5WC2-CDVN-NGN	18"	17,620	126	140	Polycarbonate	CW	Dimming	V-hangers
DAU-3WC2-CDDN-NGN	18"	18,540	126	147	Acrylic	CW	Dimming	Cable Suspension
DAU-3WC2-EDVN-NGN	18"	24,170	177	137	Acrylic	CW	Dimming	V-hangers
DAU-5WC2-EDVN-NGN	18"	22,960	177	130	Polycarbonate	CW	Dimming	V-hangers
DAU-3WN2-EDVN-NGN	18"	23,470	177	133	Acrylic	NW	Dimming	V-hangers
DAU-5WN2-EDVN-NGN	18"	22,290	177	126	Polycarbonate	NW	Dimming	V-hangers
DAU-3WC2-EDDN-NGN	18"	24,170	177	137	Acrylic	CW	Dimming	Cable Suspension
DAU-3WC2-FDVN-NGN	24"	31,930	228	140	Acrylic	CW	Dimming	V-hangers
DAU-3WC2-FDDN-NGN	24"	31,930	228	140	Acrylic	CW	Dimming	Cable Suspension
DAU-3WC2-HDVN-NGN	24"	36,830	273	135	Acrylic	CW	Dimming	V-hangers
DAU-3WC2-CHVN-NGN	18"	18,540	126	147	Acrylic	CW	FSP221B	V-hangers
DAU-3WC2-EHVN-NGN	18"	24,170	177	137	Acrylic	CW	FSP221B	V-hangers
DAU-5WC2-CHVN-NGN	18"	17,620	126	140	Polycarbonate	CW	FSP221B	V-hangers
DAU-5WC2-EHVN-NGN	18"	22,960	177	130	Polycarbonate	CW	FSP221B	V-hangers
120-277 VAC Battery Backup Models								
DAU-3WC2-CDVN-NGB	18"	18,540	126	147	Acrylic	CW	Dimming	V-hangers
DAU-3WC2-EDVN-NGB	18"	24,170	177	137	Acrylic	CW	Dimming	V-hangers
DAU-5WC2-EDVN-NGB	18"	22,960	177	130	Polycarbonate	CW	Dimming	V-hangers
DAU-3WC2-EHVN-NGB	18"	24,170	177	137	Acrylic	CW	FSP221B	V-hangers
347 VAC Models								
DAU-3WCB-CDVN-NGN	18"	18,540	126	147	Acrylic	CW	Dimming	V-hangers
DAU-3WCB-EDVN-NGN	18"	24,170	177	137	Acrylic	CW	Dimming	V-hangers
DAU-5WCB-EDVN-NGN	18"	22,960	177	130	Polycarbonate	CW	Dimming	V-hangers
DAU-3WCB-EHVN-NGN	18"	24,170	177	137	Acrylic	CW	FSP221B	V-hangers
480 VAC Models								
DAU-3WCD-CDVN-NGN	18"	18,540	126	147	Acrylic	CW	Dimming	V-hangers
DAU-3WCD-EDVN-NGN	18"	24,170	177	137	Acrylic	CW	Dimming	V-hangers
DAU-5WCD-EDVN-NGN	18"	22,960	177	130	Polycarbonate	CW	Dimming	V-hangers
DAU-3WCD-EHVN-NGN	18"	24,170	177	137	Acrylic	CW	FSP221B	V-hangers

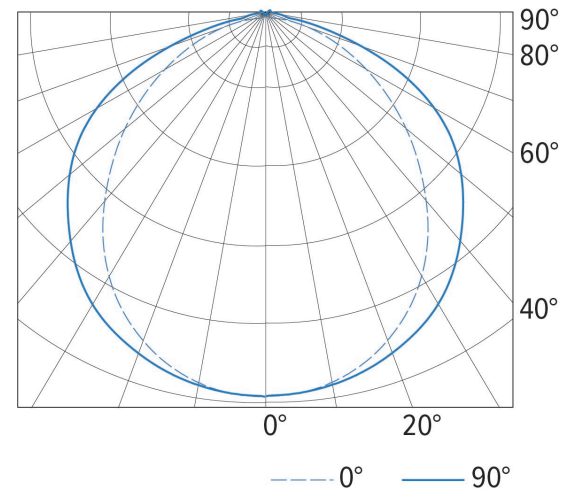
WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

Beam Distribution

DAU-3WN2-EDVN-NGN

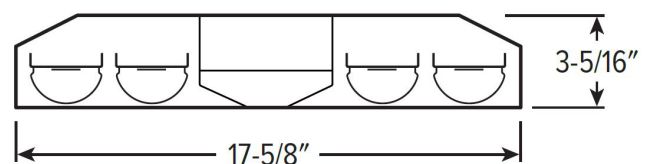
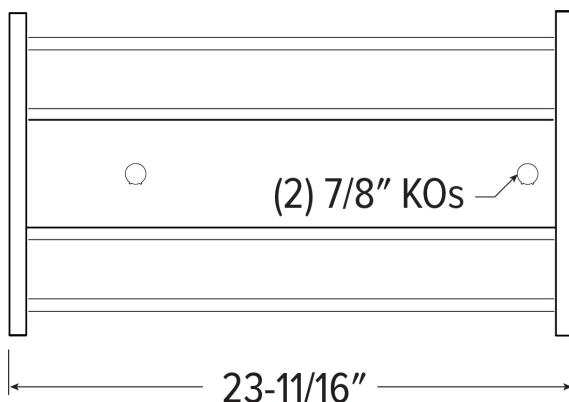
Total Luminaire Output = 23,470 Lumens, 176.8 Watts; Efficacy = 132.7 lm/W; 80 CRI; 4000K CCT

Candlepower Distribution				
Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	7864	7864	7864	
5	7830	7838	7828	188
15	7462	7557	7617	906
25	6743	7012	7218	1499
35	5682	6194	6579	1882
45	4375	5143	5680	1983
55	3108	4068	4699	1854
65	1942	2930	3361	1507
75	982	1717	1749	970
85	267	619	733	421
90	9	301	458	



Lumen Summary		
Zone	Lumens	% Fixture
0 - 40	9946	42
0 - 60	17436	74
0 - 90	22488	96
90 - 180	981	4
0 - 180	23470	100

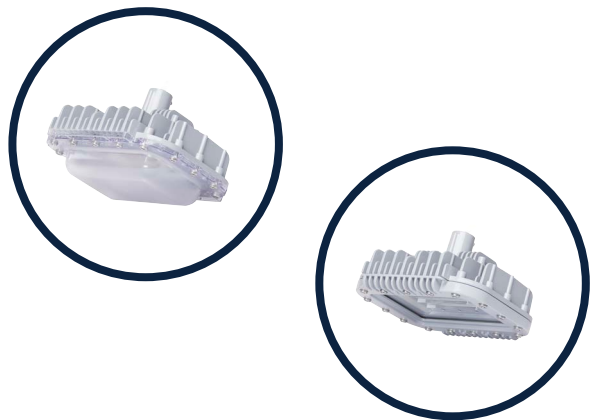
Dimensional Drawings



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DuroSite® LED Area Light

347/480 VAC

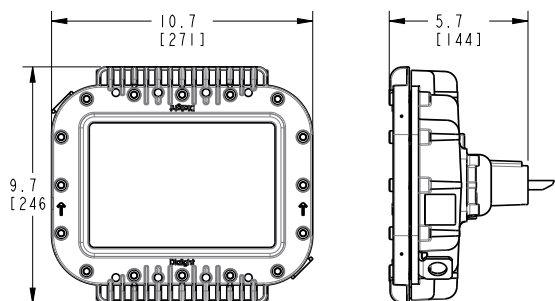


Certifications & Ratings*

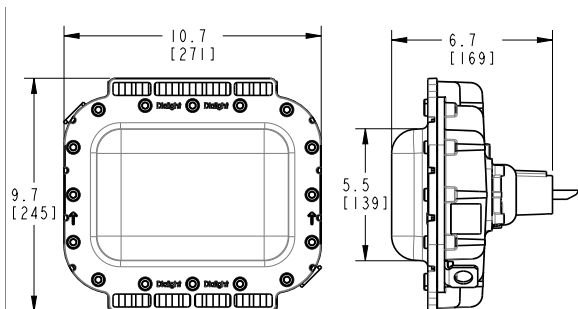
- 5 year warranty
- L70 > 100,000h @ 25°C
- UL 1598/A
- CSA C22.2 No. 250
- NOM
- IP66 / 67
- NEMA 4X

*ETL listed

Tempered Glass Lens



Polycarbonate Lens



Dimensions in inches [mm]

Mechanical Information:

Fixture weight: 10 lb (4.5 kg) - Polycarbonate lens
12 lb (5.5 kg) - Tempered glass lens
with stainless steel bracket: 13 lb (5.9 kg) - Polycarbonate lens
15 lb (6.8 kg) - Tempered glass lens

Shipping weight: Add 2 lb (0.91 kg) to weights above

Cabling: 10' (3.5 m) 5 conductor SOOW
14" (0.4 m) 5 conductor SOOW
Terminal block option available for wall, wall 45° and stanchion 45°

Impact rating: IK10 - Polycarbonate lens
IK07 - Tempered glass lens

Cabling: 10' ST00W 1.02 mm 18 AWG

Electrical Specifications:

Operating voltage: 347/480 VAC

Total system power consumption: See table

Operating temperature: -40°F to +149°F (-40°C to +65°C)

EMC: FCC Title 47, Subpart B, Section 15, Class A device
CISPR-15
RF Immunity 20V/m 80MHz-1GHz.

Transient protection: 6 kV, 2 Ohm line-line and line-ground

Harmonics: IEC 61000-3-2, Class C

THD: < 20%

Power factor: > 0.9

Power Supply:

ALT: Over 15 yr equivalent at 24/7 service
(accelerated life testing)

MTBF: Over 300 years with annual failure rate
(mean time between failures) less than 0.3% expected

Driver: Fully potted and sealed for superior protection

Construction:

Housing: Copper-free aluminum

Finish: Superior dual coat finish
- Sealed polyester topcoat
- Epoxy primer

Lens: Hard-coated polycarbonate
Tempered glass

Photometric Information:

CRI: 75

CCT: 5000K (cool white)

Optics: 360°
180° forward throw for 45° mounting
Wide for 0° mounting

All values typical unless otherwise stated (tolerance +/- 10%)

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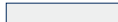
DuroSite® LED Area Light

347/480 VAC



Project Information			Specifications		
Part Number:					
Project:					
Fixture Type:		Date:			

Ordering Information

AL	-	U	-		-		-	B	-	5	-		-	N	-		-		-	N	-	G	-	N
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		HW Access.		Elect. Access.		Coatings		Battery
Product Code				CCT & CRI				Mounting Options				Hardware Accessories												
AL Area Light				B Cool White 5000K - 70 CRI				<div> Retro-fit Adapter</div> <div> Universal Mounting Adapter (UMA)</div>				N For Mounting Options - A, C, F, G, H, K, M, S, U, V, W, Y (individual wire leads are terminated in adapter housing)												
Certification				Operating Voltage				B Swivel Bracket, Locking 0°- 90° 316 Stainless Steel				W 10 ft (3 meter) Power Cable for Mounting Options - B, N												
U UL 1598/A CSA 22.2 No. 250.0								N 3/4" NPT Pendant																
Lens Material				Lumen Type				A Appleton Mercmaster III				Electrical Accessories												
								C Crouse-Hinds - Champ																
								E GE Mini-Gard																
								G GE Filtr-Gard																
								H Thomas & Betts Hazlux																
5 Polycarbonate - Diffused				2 2,200 Lumens				K Killark Certilite & Certilite V				Coatings												
7 Tempered Glass - Clear				4 4,000 Lumens				M Appleton Mercmaster II																
				5 5,000 Lumens				P Holophane Petrolux II and III																
				6 6,000 Lumens				F Ceiling Mount																
				7 7,200 Lumens				R 90° Stanchion Mount (Slip)																
				*For lumen output see page 22				S 45° Stanchion Mount				Battery												
Beam Distribution				Controls				T 90° Stanchion Mount (NPT)																
								U UMA - Mounting Hub																
A 180°				N No Options				V 0° Wall Mount																
B 360°								W 45° Wall Mount																
								Y 34mm Conveyor Mount																

Notes

- When using "UMA" or "Retro-fit" mounting options, Hardware Accessories = N.
- Not all lumen options available for all voltage options, consult table.
- When ordering Mounting Option U - UMA Mounting Hub HZXW01, HZXW45, HZXS45, HZXS90, HZXT90, HZXFM or HZXC34 are required. See page 28 for details.
- Lumen outputs shown are for Tempered Glass lens, 360° optic. For additional options please see page 21.
- GE Mini-Gard retrofit adapter models are not UL1598/A Outside-Type certified.

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Ordering Information

DuroSite® LED Area Light - 347/480 VAC



Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
347/480 VAC Model								
ALU-7BB5-7NNW-NGN	7,000	68	103	CW	Tempered Glass	360°	No Option	3/4" NPT
ALU-5BB5-7NNW-NGN	6,900	68	101	CW	Poylcarbonate Diffused	360°	No Option	3/4" NPT
ALU-7AB5-7NNW-NGN	7,000	68	103	CW	Tempered Glass	180°	No Option	3/4" NPT
ALU-5AB5-7NNW-NGN	6,900	68	101	CW	Poylcarbonate Diffused	180°	No Option	3/4" NPT
ALU-7BB5-6NNW-NGN	6,000	58	103	CW	Tempered Glass	360°	No Option	3/4" NPT
ALU-5BB5-6NNW-NGN	5,700	58	98	CW	Poylcarbonate Diffused	360°	No Option	3/4" NPT
ALU-7AB5-6NNW-NGN	6,000	58	103	CW	Tempered Glass	180°	No Option	3/4" NPT
ALU-5AB5-6NNW-NGN	6,000	58	103	CW	Poylcarbonate Diffused	180°	No Option	3/4" NPT
ALU-7BB5-4NNW-NGN	4,000	38	105	CW	Tempered Glass	360°	No Option	3/4" NPT
ALU-5BB5-4NNW-NGN	4,000	38	105	CW	Poylcarbonate Diffused	360°	No Option	3/4" NPT
ALU-7AB5-4NNW-NGN	4,000	38	105	CW	Tempered Glass	180°	No Option	3/4" NPT
ALU-5AB5-4NNW-NGN	4,000	38	105	CW	Poylcarbonate Diffused	180°	No Option	3/4" NPT
100-277 VAC, 120-250 VDC Model with Retro-fit Adapters - Crouse Hinds								
ALU-7BB5-6NCN-NGN	6,000	58	103	CW	Tempered Glass	360°	No Option	Retro-fit: Crouse Hinds
ALU-5BB5-6NCN-NGN	6,000	58	103	CW	Poylcarbonate Diffused	360°	No Option	Retro-fit: Crouse Hinds
ALU-7AB5-6NCN-NGN	6,000	58	103	CW	Tempered Glass	180°	No Option	Retro-fit: Crouse Hinds
ALU-5AB5-6NCN-NGN	6,000	58	103	CW	Poylcarbonate Diffused	180°	No Option	Retro-fit: Crouse Hinds

All values typical unless otherwise stated (tolerance +/- 10%)
See ordering chart for additional options.

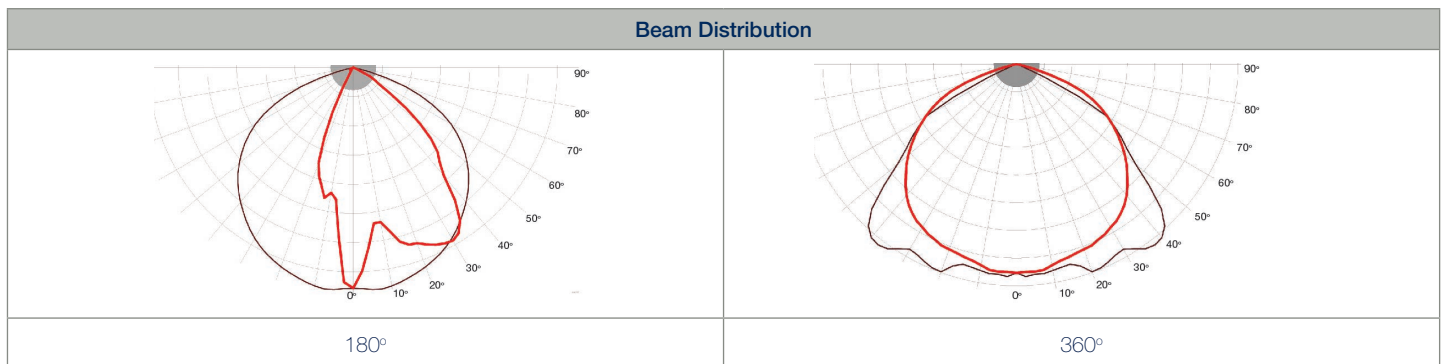
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DuroSite® LED Area Light

Lumen Tables & Beam Distribution

347/480 VAC							
Output Family	Beam Distribution	Lens	Wattage	Lumens 5000 CCT	5000 CCT lm/W	Lumens 4000 CCT	4000 CCT lm/W
7,250	360°	Tempered Glass	68	7200	107	7100	104
		Class I, Div 1 Glass		6900	102	6800	100
		Polycarbonate		6900	102	6800	100
	180°	Tempered Glass		7200	107	7100	104
		Class I, Div 1 Glass		6900	102	6800	100
		Polycarbonate		6900	102	6800	100
6,000	360°	Tempered Glass	58	6000	103	5800	101
		Class I, Div 1 Glass		5700	99	5600	97
		Polycarbonate		5700	99	5600	97
	180°	Tempered Glass		6000	103	5800	101
		Class I, Div 1 Glass		5700	99	5600	97
		Polycarbonate		5700	99	5600	97
5,000	360°	Tempered Glass	47	5000	106	4900	104
		Class I, Div 1 Glass		4800	102	4700	100
		Polycarbonate		4800	102	4700	100
	180°	Tempered Glass		5000	106	4900	104
		Class I, Div 1 Glass		4800	106	4700	100
		Polycarbonate		4800	102	4700	100
4,100	Wide	Polycarbonate	55	4100	75	4000	73
4,000	360°	Tempered Glass	38	4000	105	3900	103
		Class I, Div 1 Glass		3800	101	3700	99
		Polycarbonate		3800	101	3700	99
	180°	Tempered Glass		4000	105	3900	103
		Class I, Div 1 Glass		3800	101	3700	99
		Polycarbonate		3800	101	3700	99
2,200	360°	Tempered Glass	21	2200	105	2200	105
		Class I, Div 1 Glass		2200	105	2200	105
		Polycarbonate		2200	105	2200	105
	180°	Tempered Glass		2200	105	2200	105
		Class I, Div 1 Glass		2200	105	2200	105
		Polycarbonate		2200	105	2200	105

All values typical unless otherwise stated (tolerance +/- 10%)
For lighting layouts, please find IES files at www.dialight.com



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DuroSite® LED Area Light

Accessories

Area Lights with Universal Mounting Adapter & Brackets Sold Separately



UMA Area Light
ALx-xxxx-xxUx-xxN



Stanchion 45°
HZXS45



Wall 45°
HZXW45



Wall 0°
HZXW01



Conveyor
HZXC34



Ceiling
HZXF7



Stanchion 90°
HZXS90 / HZXT90



Certified to: UL 50E • CSA C22.2 No. 94.2-07

HZXSTAN100S

- 1.00" (1.315" Pole OD) Slip-fit stanchion mount

HZXSTAN125S

- 1.25" (1.660" Pole OD) Slip-fit stanchion mount

HZXSTAN150S

- 1.50" (1.900" Pole OD) Slip-fit stanchion mount

HZXSTAN200S

- 2.00" (2.375" Pole OD) Slip-fit stanchion mount

HZXSTAN100T

- 1.00" (1.315" Pole OD) NPT threaded stanchion mount

HZXSTAN125T

- 1.25" (1.660" Pole OD) NPT threaded stanchion mount

HZXSTAN150T

- 1.50" (1.900" Pole OD) NPT threaded stanchion mount

HZXSTAN200T

- 2.00" (2.375" Pole OD) NPT threaded stanchion mount



Certified to: UL 50E • CSA C22.2 No. 94.2-07

HZXJB075

- 0.75" Ceiling / Wall / Pole mount junction box

HZXJB100

- 1.00" Ceiling / Wall / Pole mount junction box

HZXJB125

- 1.25" Ceiling / Wall / Pole mount junction box

HZXJB150

- 1.50" Ceiling / Wall / Pole mount junction box



HZXW3

- 316 stainless steel bracket

HZXW7

- Aluminum bracket



HZXW4

- 316 stainless steel bracket with pipe clamp

HZXW8

- Aluminum bracket with pipe clamp



Certified to: UL 50E • UL 1203

ISA 12.12.01 • CSA C22.2 No. 94.2-07

HBXC1

- 0.75" NPT Ceiling mount



HZXSAFECBLS

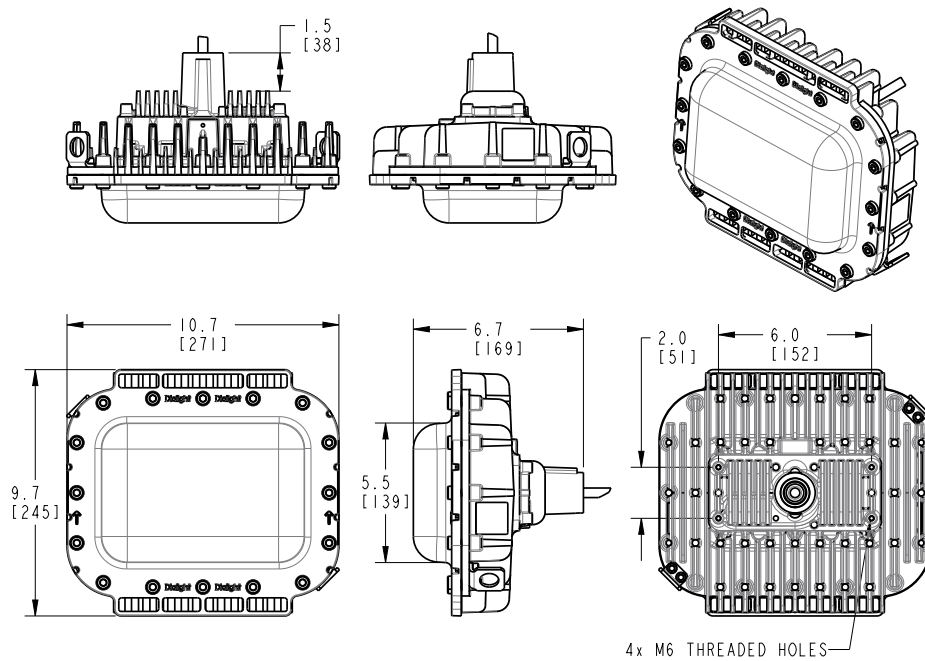
- Safety cable kit

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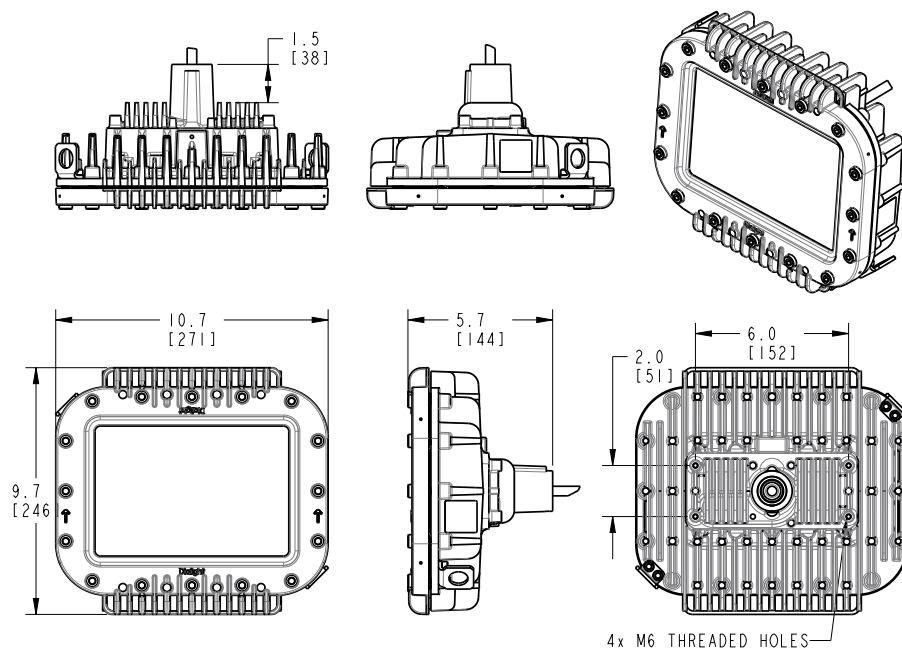
DuroSite® LED Area Light

Dimensional Drawings

Polycarbonate Lens - Option 5



Tempered Glass Lens - Option 7



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DuroSite® LED Area Light

Retro-fit Options

Retro-fit adapters can be factory installed. See product ordering information for details.

Eaton's Crouse-Hinds – Champ®

GE Lighting Solutions – Filtr-Gard™

GE Lighting Solutions – Mini-Gard™

Holophane Petrolux® II, III

Thomas & Betts Hazlux®

Appleton® Mercmaster III

Appleton® Mercmaster II

Killark® Certilite® & Certilite® V



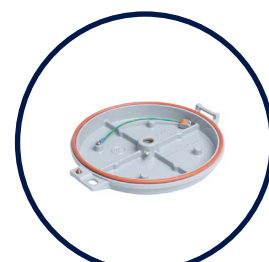
Eaton's Crouse-Hinds – Champ® - HZXTHCH				
Pendant	Ceiling	Wall	Stanchion	Quad Mount
APM2	CM2	TWM2	JM5	QM25
APM3	CM3	TWM3	PM5	
HPM2				



GE Lighting Solutions – Filtr-Gard™ - HZXTHGE				
Pendant	Ceiling	Wall	Stanchion	Quad Mount
3P	3F	3C	3W	5S
4P	4F		4W	6S
				5J, 6J



Holophane® Petrolux II, III - HZXTHP3				
Pendant	Universal	Stanchion	Ceiling	Wall
PD	UN	SA	CD	WL
GH		ST	CE	W
P		A	B, C, D	



GE Lighting Solutions – Mini-Gard™ - HZXTHMG			
Pendant	Ceiling	Stanchion	Wall
3P	3C	5S	3W
4P	4C	5J	4W
		6S	
		6J	

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DuroSite® LED Area Light

Retro-fit Options



Thomas & Betts Hazlux® - HZXTHTB				
Pendant	Pendant Cone	Flexible Pendant	Ceiling	Wall
VP2	VA2	VF2	VC2	VB2
VP3	VA3	VF3	VC3	VB3
Wall	25° Angle Stanchion	25° Angle Stanchion	Straight Stanchion	Straight Stanchion
VB2-VIB	VS4	VS4-VIB	VL4	VL4-VIB
VB3-VIB	VS5	VS5-VIB	VL5	VL5-VIB



Appleton® Mercmaster III - HZXTHAP			
Pendant	Ceiling	Wall	Stanchion
KPA-75, 100	KPC-75	KPWB-75	KPS-125
KPAF-75, 100	KPC-100	KPWB-100	KPS-150
KPCH-75, 100			KPST-125
			KPST-150



Appleton® Mercmaster II - HZXTHM2			
Pendant	Ceiling	Wall	Stanchion
LPA-75	LPC-75	LPWB-75	LPS-125
LPA-100	LPC-100	LPWB-100	LPS-150

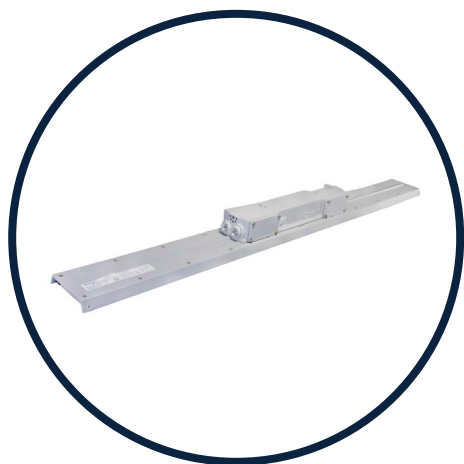


Killark® Certilite® & Certilite® V - HZXTHKL			
Pendant	Ceiling	Wall	Stanchion
VMA2B & VMA-2	VMX2B & VMX-2	VMB2B & VMB-2	VMD4B
VMA3B & VMA-3	VMX3B & VMX-3	VMB3B & VMB-3	VMD5B
VMC2B & VMC-2	VMX6B, 7B, 8B, 9B		VMS5B
VMC3B & VMC-3			
VMF2B, 3B			

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DuroSite® LED Linear - Low Profile

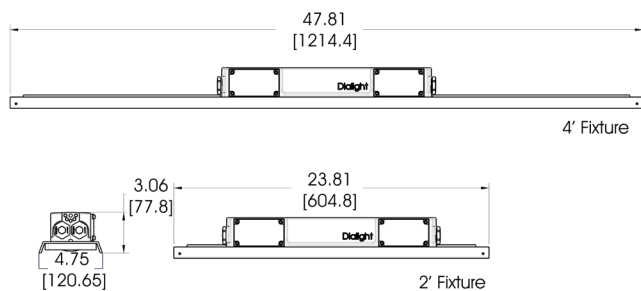
Technical Specifications



Certifications & Ratings

- UL 1598/A*
- CSA C22.2 No. 250*
- IP66/67
- NEMA 4X
- 5 year warranty

*ETL listed



Dimensions in inches [mm]

Mechanical Information:

Fixture weight:	4' - 10 lb (4.5 kg) 2' - 7 lb (3.2 kg)
Shipping weight:	4' - 11 lb (5.0 kg) 2' - 8 lb (3.6 kg)
Mounting:	(4) 3/4" NPT openings Optional swivel bracket - LPXW4 Optional low profile bracket - LPXW4LP

Electrical Specifications:

Operating voltage:	100-277 VAC, 50/60Hz
Power consumption:	See ordering information
Operating temp:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	IEC 61000-3-2
Noise requirements/EMC:	FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
Surge protection:	EN 61000-4-5 4 kV line-to-line 4 kV line-to-ground
THD:	< 20%
Power factor:	> 0.9 Power supply equipped with inline fuse

Power Supply:

ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
Lens:	Polycarbonate

Photometric Information:

CRI:	80
CCT:	5000K (cool white) 4000K (neutral white)
IES files:	Available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)

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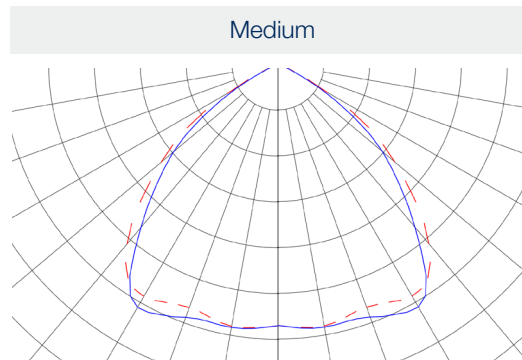
DuroSite® LED Linear - Low Profile

Ordering Information & Accessories

Part Number	Length	CRI	Fixture Lumens	Watt	lm/W	Voltage	CCT	Lens	Beam Distribution
LPM3C4M2P	4'	80	7,900	60	132	100-277 VAC	5000K (cool white)	Clear Polycarbonate	Medium
LPM3C4H2W	4'	80	7,100	60	118	100-277 VAC	5000K (cool white)	Diffused Polycarbonate	Medium
LPM3N4M2P	4'	80	7,300	60	122	100-277 VAC	4000K (neutral white)	Clear Polycarbonate	Medium
LPM3N4H2W	4'	80	6,700	60	112	100-277 VAC	4000K (neutral white)	Diffused Polycarbonate	Medium
LPM3C4D2P	2'	80	3,850	29	133	100-277 VAC	5000K (cool white)	Clear Polycarbonate	Medium
LPM3C4B2W	2'	80	3,500	29	121	100-277 VAC	5000K (cool white)	Diffused Polycarbonate	Medium
LPM3N4D2P	2'	80	3,600	29	124	100-277 VAC	4000K (neutral white)	Clear Polycarbonate	Medium
LPM3N4B2W	2'	80	3,300	29	114	100-277 VAC	4000K (neutral white)	Diffused Polycarbonate	Medium

All values typical unless otherwise stated (tolerance +/- 10%).

The part numbers in the above table are provided in 5000K (cool white). To order part numbers in 4000K (neutral white), please change the 5th character to an **N**. Ex. LPM3C4M2P becomes LPM3N4M2P.



LPXW4

- 316 stainless steel mounting bracket
- Can be angled at 0°, 30°, 45°, 60° & 90°



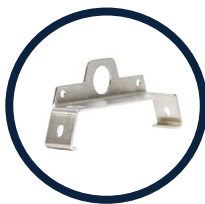
LPXW4LP

- 316 stainless steel low profile mounting bracket
- Can be angled at 0° and 15°



LTXSAFEKIT

- Stainless steel safety cable kit for secondary retention



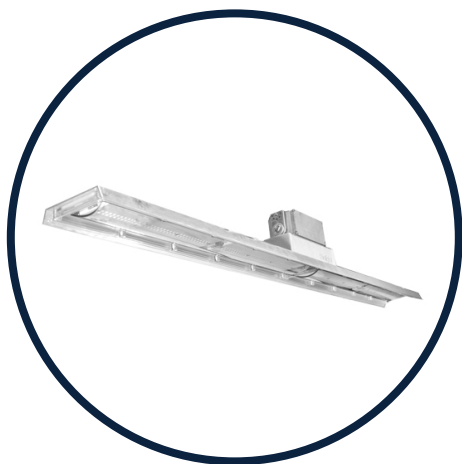
LTXENDCAPKIT

- 304 stainless steel chain mount and secondary retention bracket

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DuroSite® LED Linear - Top Conduit

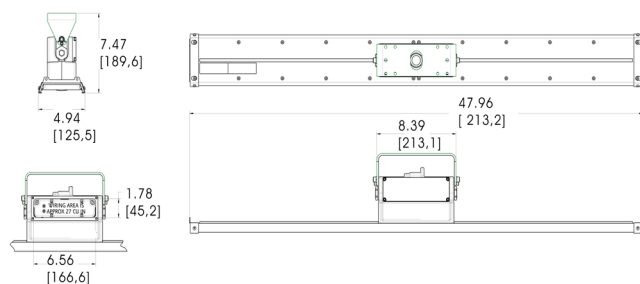
Technical Specifications



Certifications & Ratings

- UL 1598/A*
- CSA C22.2 No. 250*
- IP66
- NEMA 4X
- 5 year warranty

*ETL listed



Dimensions in inches [mm]

Mechanical Information:

Fixture weight:	4' - 10 lb (4.5 kg) 2' - 7 lb (3.2 kg)
Shipping weight:	4' - 11 lb (5.0 kg) 2' - 8 lb (3.6 kg)
Mounting:	(3) 3/4" NPT openings Optional swivel bracket - LTXW4 Optional low profile bracket - LTXW4LP

Electrical Specifications:

Operating voltage:	100-277 VAC, 50/60Hz
Power consumption:	See ordering information
Operating temp:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	IEC 61000-3-2
Noise requirements/EMC:	FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
Surge protection:	EN 61000-4-5 4 kV line-to-line 4 kV line-to-ground
THD:	< 20%
Power factor:	> 0.9 Power supply equipped with inline fuse

Power Supply:

ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
Lens:	Polycarbonate

Photometric Information:

CRI:	80
CCT:	5000K (cool white) 4000K (neutral white)
IES files:	Available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)

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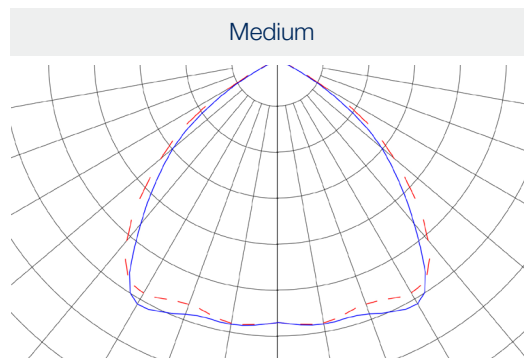
DuroSite® LED Linear - Top Conduit

Ordering Information & Accessories

Part Number	Length	CRI	Fixture Lumens	Watt	lm/W	Voltage	CCT	Lens	Beam Distribution
LTM3C4M2P	4'	80	7,900	60	132	100-277 VAC	5000K (cool white)	Clear Polycarbonate	Medium
LTM3C4H2W	4'	80	7,100	60	118	100-277 VAC	5000K (cool white)	Diffused Polycarbonate	Medium
LTM3N4M2P	4'	80	7,300	60	122	100-277 VAC	4000K (neutral white)	Clear Polycarbonate	Medium
LTM3N4H2W	4'	80	6,700	60	112	100-277 VAC	4000K (neutral white)	Diffused Polycarbonate	Medium
LTM3C4D2P	2'	80	3,850	29	133	100-277 VAC	5000K (cool white)	Clear Polycarbonate	Medium
LTM3C4B2W	2'	80	3,500	29	121	100-277 VAC	5000K (cool white)	Diffused Polycarbonate	Medium
LTM3N4D2P	2'	80	3,600	29	124	100-277 VAC	4000K (neutral white)	Clear Polycarbonate	Medium
LTM3N4B2W	2'	80	3,300	29	114	100-277 VAC	4000K (neutral white)	Diffused Polycarbonate	Medium

All values typical unless otherwise stated (tolerance +/- 10%).

Part numbers listed in the table above are cool white. For neutral white model, replace the 5th character with N. Ex. LTM3C4D2P becomes LTM3N4D2P.



LTXW4

- Mounting bracket
- Can be angled at 0°, 30°, 45°, 60° & 90°



LTXW4LP

- Mounting bracket
- Can be angled at 0° and 15°



LTXSAFEKIT

- Stainless steel safety cable kit for secondary retention



LTXENDCAPKIT

- 304 stainless steel chain mount and secondary retention bracket



LTXLSXW4

- Retrofit bracket adapter used to connect LTM model fixtures to an existing LSXW4 bracket

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DuroSite® LED Linear - Battery Backup

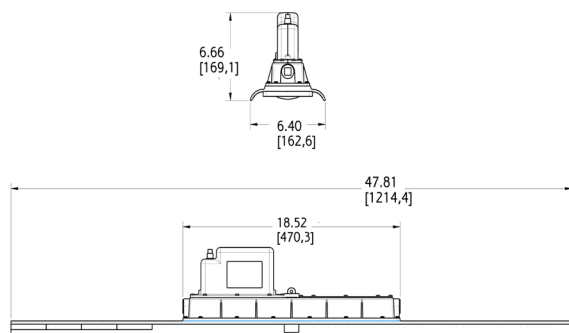
Technology Specifications



Certifications & Ratings*

- UL 1598/A*
- UL 924*
- CSA C22.2 No. 250*
- IP66
- NEMA 4X
- 5 year warranty

*ETL listed



Dimensions in inches [mm]

Mechanical Information:

Fixture weight:	18 lb (8.2 kg)
Shipping weight:	21 lb (9.5 kg)
Mounting:	(1) Threaded 3/4" NPT side (2) Threaded 3/4" NPT ends

Electrical Specifications:

Operating voltage:	120-277 VAC, 50/60Hz
Power consumption:	85W
Operating temp:	-4°F to +149°F (-20°C to +65°C)
Battery:	3.6V 10Ah Nimh
Battery life*:	3 years
Battery duration*:	> 3 hours
Lumen output in Battery Mode:	450lm
Harmonics:	IEC 61000-3-2
Noise requirements/EMC:	FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
Surge protection:	EN 61000-4-5 1 kV line to line 2 kV line to ground
THD:	< 20%
Power factor:	> 0.9
Power Supply:	
ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
Lens:	Polycarbonate

Photometric Information:

Light output in emergency mode:	450 lumens
CRI:	75
CCT:	5000K (cool white) 4000K (neutral white)
IES files:	Available upon request
All values typical unless otherwise stated (tolerance +/- 10%)	

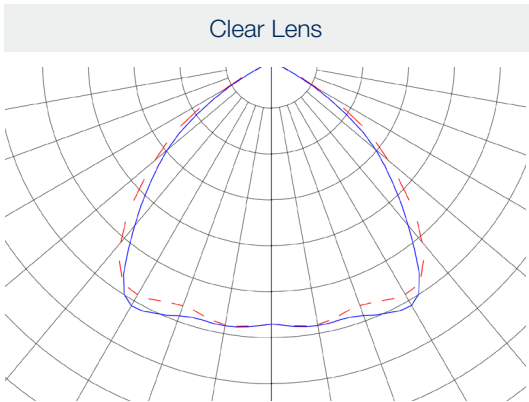
WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

DuroSite® LED Linear - Battery Backup

Ordering Information & Accessories

Part Number	Length	Type	CRI	Fixture Lumens	Watt	lm/W	Warranty	Voltage	CCT	Lens	Beam Distribution
LSM3C4MEP	4'	Sustained	75	7,000	85	82	3yr	120- 277 VAC	5000K (cool white)	Clear Polycarbonate	Medium
LSM3C4MNP	4'	Maintained	75	7,000	85	82	3yr	120-277 VAC	5000K (cool white)	Clear Polycarbonate	Medium

All values typical unless otherwise stated (tolerance +/- 10%).
The part numbers in the above table are provided in Cool White. To order part numbers in Neutral White, please change the 5th character to an N. Ex. LSM3C4MEP becomes LSM3N4MEP



- LSXW4**
- Aluminum mounting bracket
 - Can be angled at 0°, 30°, 45°, 60° & 90°



- LSXENDCAPKIT**
- 304 stainless steel chain mounting brackets



- HZXSAFEKIT**
- Stainless steel safety cable kit

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DuroSite® LED PLL Linear Fixture - NSF

Technical Spec Sheet



Certifications & Ratings

- 5 year warranty
- UL 1598 (wet location)
- cULus listed
- IP69K
- NEMA 4X
- IK 10
- NSF certified for Splash and Non-Food Zones
- L70 rated for >100,000 hours @ 25°C
- Made in the USA



Dimensions in inches [mm]

Model	Length (in)
PLL4	46.88
PLL8	91.00

Mechanical Information:

Fixture weight:	4' - 4.2 lb (1.9 kg) 8' - 7.9 lb (3.6 kg)
Shipping weight:	4' - 5.7 lb (2.6 kg) 8' - 9.9 lb (4.5 kg)
Mounting:	Suspension
Wiring/connection:	3-pole mini-chage receptacle (For additional options, please consult factory)

Electrical Specifications:

Operating voltage:	120-277 VAC
Power consumption:	See table
Operating temp:	
Standard:	-4°F to +122°F (-20°C to +50°C)
Transient protection:	FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
Surge protection:	4kV line-to-line 4kV line-to-ground
THD:	< 20%
Power factor:	> 0.9

Construction:

Housing:	Coextruded Copolyester
-----------------	------------------------

Photometric Information:

CRI:	85
CCT:	5000K (cool white) 4000K (neutral white)
IES files:	Available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)

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DuroSite® LED PLL Linear Fixture - NSF

Ordering Information

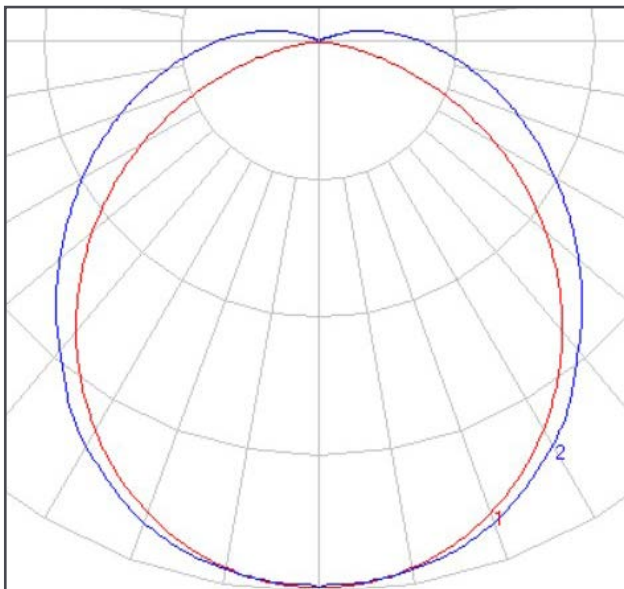
PLL Linear - NSF								
Part Number	Length	Fixture Lumens	Wattage	lm/W	Voltage	CCT	CRI	Connection
Standard Models								
PLL-4-HL-CW	4ft	8,000	60	133	120-277 VAC	5000K (cool white)	85	3-pole receptacle
PLL-4-HL-NW	4ft	8,000	60	133	120-277 VAC	4000K (neutral white)	85	3-pole receptacle
PLL-8-HL-CW	8ft	16,000	120	133	120-277 VAC	5000K (cool white)	85	3-pole receptacle
PLL-8-HL-NW	8ft	16,000	120	133	120-277 VAC	4000K (neutral white)	85	3-pole receptacle

All lumen values are typical (tolerance +/- 10%)

For DLC approved products, -DIM suffix is required (e.g. PLL-4-HL-CW becomes PLL-4-HL-CW-DIM)*. Please note that products with the -DIM suffix are required to come with a 5-pole mini-change receptacle to accommodate 0-10 VDC dimming.

For an NSF battery backup model, please refer to the FBLE Linear.

Beam Distribution



Accessories

Part Number	Description
FBL-CBL-6	6ft power cable for standard units
FBL-CBL-20	20ft power cable for standard units
PLL-SUR-WL-MT	Surface/Wall Mount

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DuroSite® LED FBL Linear Fixture - NSF

Technical Spec Sheet



Certifications & Ratings

- 5 year warranty
- UL 1598 (wet location)
- cULus listed
- IP69K
- 1500 PSI rated
- NEMA 4X
- IK 10
- NSF certified for Splash and Non-Food Zones
- L70 rated for >140,000 hours @ 25°C
- Made in the USA



Dimensions in inches [mm]

Model	Length (in)
FBL4	48.38
FBL8	94.75

Mechanical Information:

Fixture weight:	4' - 6.3 lb (2.9 kg) 8' - 12.2 lb (5.5 kg)
Shipping weight:	4' - 7.8 lb (3.5 kg) 8' - 14.2 lb (6.4 kg)
Mounting:	Suspension
Wiring/connection:	3-pole mini-chage receptacle (For additional options, please consult factory)

Electrical Specifications:

Operating voltage:	120-277 VAC
Power consumption:	See table
Operating temp:	Standard: -40°F to +140°F (-40°C to +60°C) Battery Backup: 32°F to +113°F (0°C to +45°C)
Transient protection:	FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
Surge protection:	4kV line-to-line 4kV line-to-ground
THD:	< 20%
Power factor:	> 0.9

Construction:

Housing:	Coextruded Copolyester/Aluminum
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Photometric Information:

CRI:	85
CCT:	5000K (cool white) 4000K (neutral white)
IES files:	Available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)

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DuroSite® LED FBL Linear Fixture - NSF

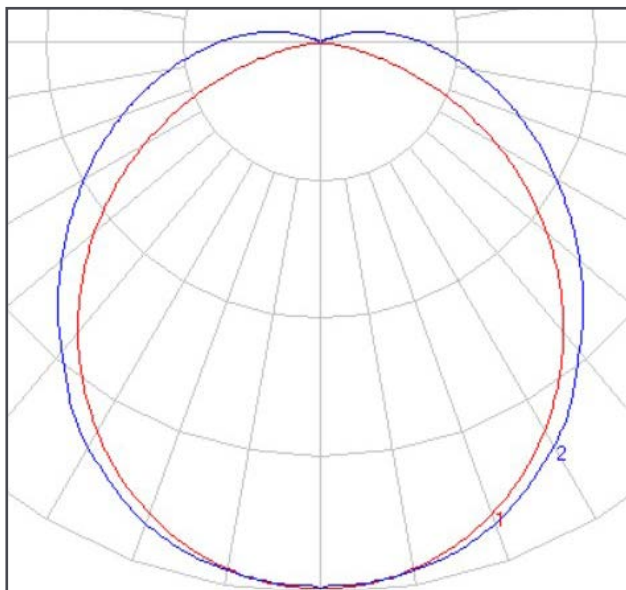
Ordering Information

FBL Linear - NSF								
Part Number	Length	Fixture Lumens	Wattage	lm/W	Voltage	CCT	CRI	Connection
Standard Models								
FBL-4-HL-CW	4ft	10,000	76	131	120-277 VAC	5000K (cool white)	85	3-pole receptacle
FBL-4-HL-NW	4ft	9,500	76	125	120-277 VAC	4000K (neutral white)	85	3-pole receptacle
FBL-8-HL-CW	8ft	20,000	152	131	120-277 VAC	5000K (cool white)	85	3-pole receptacle
FBL-8-HL-NW	8ft	19,000	152	125	120-277 VAC	4000K (neutral white)	85	3-pole receptacle
Battery Backup Models								
FBLE-4-HL-CW	4ft	10,000	82	122	120-277 VAC	5000K (cool white)	85	3-pole receptacle
FBLE-4-HL-NW	4ft	9,500	82	116	120-277 VAC	4000K (neutral white)	85	3-pole receptacle
FBLE-8-HL-CW	8ft	20,000	162	123	120-277 VAC	5000K (cool white)	85	3-pole receptacle
FBLE-8-HL-NW	8ft	19,000	162	117	120-277 VAC	4000K (neutral white)	85	3-pole receptacle

All lumen values are typical (tolerance +/- 10%)

For DLC approved products, -DIM suffix is required (e.g. FBL-4-HL-CW becomes FBL-4-HL-CW-DIM)". Please note that products with the -DIM suffix are required to come with a 5-pole mini-change receptacle to accommodate 0-10 VDC dimming.

Beam Distribution



Accessories

Part Number	Description
FBL-CBL-6	6ft power cable for standard units
FBL-CBL-20	20ft power cable for standard units
FBL-SUR-MT	Surface Mount kit
FBL-WALL-MT	Wall Mount Kit

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DuroSite® LED Full Cut-Off Wallpack

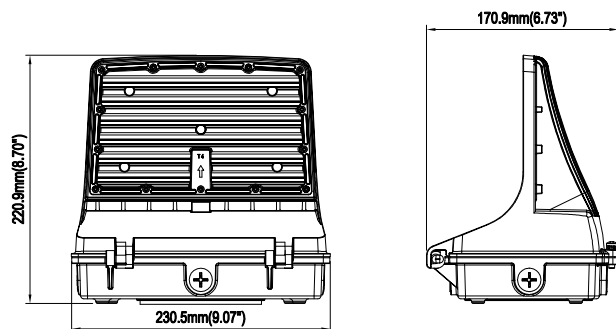
Technical Spec Sheet



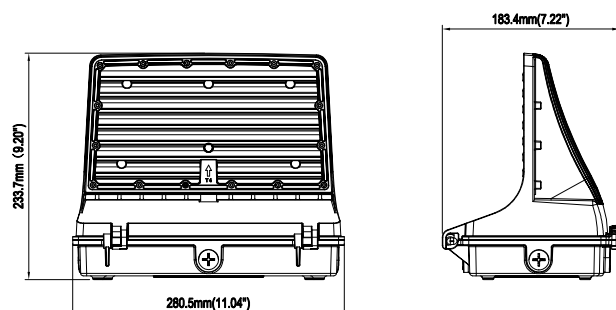
Certifications & Ratings

- 5 year warranty
- UL 1598 - wet location
- CSA C22.2 No. 250
- DLC Premium
- IP65
- L70 @ 50,000 hours
- IK08

W2U8 - 80W



W2U12 - 120W



Dimensions in inches [mm]

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Mechanical Information:

Fixture weight:	Up to 11 lb
80W:	4.4 lb
120W:	8.8 lb
Emergency Battery Option:	2 lb
Mounting:	Wall mount
Cable entry:	(5) five sides optional conduit entry

Variable Dimming:

Variable dimming control: 0-10 VDC

Electrical Specifications:

Operating voltage:	120-277 VAC
Total system power consumption:	See table
Operating temperature:	-22°F to +104°F (-30°C to +40°C)
Surge protection:	L-N: 6Kv L/N-PE: 10Kv
THD:	<20%
Power factor:	>0.9

Construction:

Finish:	Gray
	Bronze

Photometric Information:

CRI:	70
Field switchable CCT:	3000K / 4000K / 5000K
Field switchable lumens:	25% / 50% / 75% / 100%

All values typical unless otherwise stated (tolerance +/- 10%)

DuroSite® LED Full Cut-Off Wallpack

Ordering Information & Beam Distribution



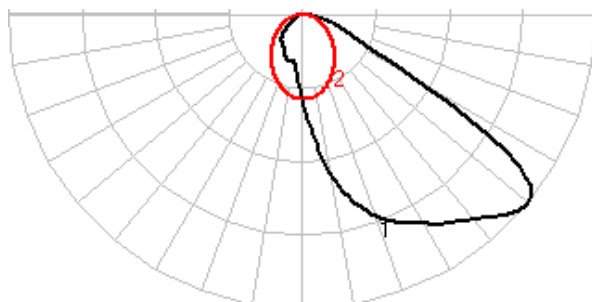
Project Information		Specifications	
Part Number:			
Project:			
Fixture Type:		Date:	

Ordering Information

Product Code	Cert.	Wattage	Finish	Battery
W2	U			
Product Code	Cert.	Wattage	Finish	Battery
W2 DuroSite® Wallpack		8 80W	G Gray	N No Option
		12 120W	Z Bronze	F Battery Backup
Certification				
U UL 1598, CSA				

Part Number	Fixture Lumens	Wattage	lm/W	Beam Distribution	Finish	Battery Backup
W2U8GN	10,400	80	130	Type III	Gray	None
W2U8ZN	10,400	80	130	Type III	Bronze	None
W2U8GF	10,400	80	130	Type III	Gray	4W / 90 min
W2U8ZF	10,400	80	130	Type III	Bronze	4W / 90 min
W2U12GN	15,600	120	130	Type III	Gray	None
W2U12ZN	15,600	120	130	Type III	Bronze	None
W2U12GF	15,600	120	130	Type III	Gray	4W / 90 min
W2U12ZF	15,600	102	130	Type III	Bronze	4W / 90 min

W2U8 - 80W



W2U12 - 120W



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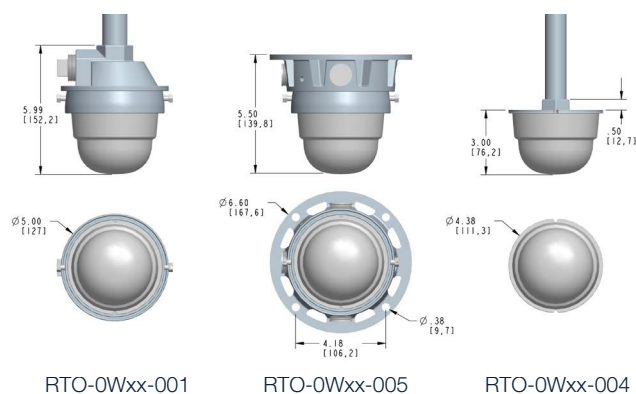
DuroSite® LED RTO Area Light

Technical Specifications



Certifications & Ratings

- 5 year warranty
- UL 1598
- IP66



Dimensions in inches [mm]

Mechanical Information:

Fixture weight: RTO0Wxx001: 2.5 lbs (1.13 kg)
RTO0Wxx005: 3.2 lbs (1.45 kg)
RTO0Wxx004: 0.8 lbs (0.36 kg)

Shipping weight: RTO0Wxx001: 3.0 lbs (1.36 kg)
RTO0Wxx005: 4.5 lbs (2.04 kg)
RTO0Wxx004: 1.4 lbs (0.64 kg)

Mounting:

Pendant Mount: 1" & 3/4" NPT reducer bi-directional
Ceiling Mount: 3/4" NPT 5-way surfac
Pendant Mount: 3/4" NPT threaded conduit

Electrical Specifications:

Operating Voltage: 100 - 277V AC, 50/60 Hz
12 - 48V DC

Total system power consumption: See table

Operating Temp: -40°F to +133°F (-40°C to +55°C)

Harmonics: IEC 61000-3-2

Noise requirement /EMC: FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection: 1 kV line to line
2 kV line to ground

THD: <20%

Power Factor: > 0.9

Power Supply:

ALT: Over 15 yr equivalent at 24/7 service
(accelerated life testing)

MTBF: Over 300 years with annual failure rate
(mean time between failures) less than 0.3% expected

Driver: Fully potted and sealed for superior protection

Construction:

Housing: Copper free aluminum

Finish: Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy prime

Lens: UV stabilized abrasion resistant polycarbonate

Photometric Information:

CRI: 75

CCT: 6000K (cool white)

All values typical unless otherwise stated (tolerance +/- 10%)

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DuroSite® LED RTO Area Light

Ordering Information & Accessories

Part Number	Type	Fixture Lumens	Watt	lm/W	Voltage	CCT	Lens	Beam Distribution
Standard Models - 100-277 VAC								
RTO0W17005	Ceiling mount with junction box	800	8	100	100-277 VAC	6000K (cool white)	Clear polycarbonate	Circular
RTO0W17004	Pendant mount	800	8	100	100-277 VAC	6000K (cool white)	Clear polycarbonate	Circular
RTO0W17001	Pendant mount with junction box	800	8	100	100-277 VAC	6000K (cool white)	Clear polycarbonate	Circular
RTO0W07005	Ceiling mount with junction box	470	8	59	100-277 VAC	6000K (cool white)	Clear polycarbonate	Circular
RTO0W07004	Pendant mount	470	8	59	100-277 VAC	6000K (cool white)	Clear polycarbonate	Circular
RTO0W07001	Pendant mount with junction box	470	8	59	100-277 VAC	6000K (cool white)	Clear polycarbonate	Circular
Standard Models - 24-48 VDC								
RTO0W18005	Ceiling mount with junction box	800	8	100	24-48 VDC	6000K (cool white)	Clear polycarbonate	Circular
RTO0W18004	Pendant mount	800	8	100	24-48 VDC	6000K (cool white)	Clear polycarbonate	Circular
RTO0W18001	Pendant mount with junction box	800	8	100	24-48 VDC	6000K (cool white)	Clear polycarbonate	Circular
RTO0W08005	Ceiling mount with junction box	470	8	59	24-48 VDC	6000K (cool white)	Clear polycarbonate	Circular
RTO0W08004	Pendant mount	470	8	59	24-48 VDC	6000K (cool white)	Clear polycarbonate	Circular
RTO0W08001	Pendant mount with junction box	470	8	59	24-48 VDC	6000K (cool white)	Clear polycarbonate	Circular

All values typical unless otherwise stated (tolerance +/- 10%).



Pendant Mount

- 3/4" NPT-threaded conduit



Pendant Mount with Junction Box

- 1" & 3/4" NPT reducer bi-directional mounting



Ceiling Mount with Junction Box

- 3/4" 5-way surface mounting



RTO1000

- Flush wall mount



RTO1001

- Junction box wall mount

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SafeSite® Ultra-Efficient LED High Bay - UL / CSA

Technical Information

Corded Model



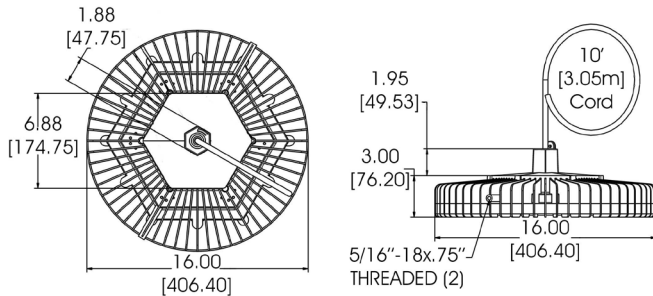
Mechanical Information:

Fixture weight:
18 lbs (8.16kg)

Shipping weight:
24 lbs (10.8kg)

Mounting:
3/4" NPT - top
Various Kits

Power Cord:
10' 18 AWG ST00W/S00W
Patent pending



Integrated Wiring Box Model



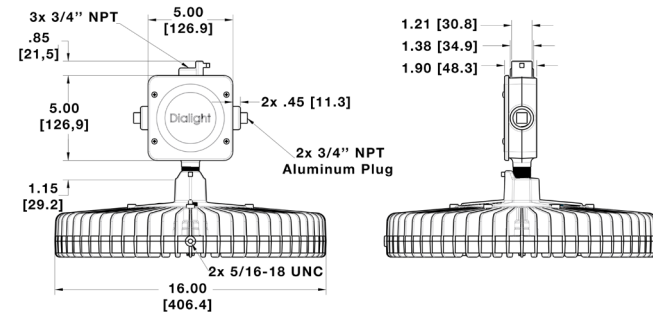
Mechanical Information:

Fixture weight:
20 lbs (9 kg)

Shipping weight:
26 lbs (12 kg)

Mounting:
3/4" NPT or Hook

Wiring Box Cable Entries:
(2x) 3/4" NPT



Dimensions in inches (mm)

Temperature Ratings:

Ambient Temp Range
T4 Temp Code: -40°F to +149°F (-40°C to +65°C)

Ambient Temp Range
T5 Temp Code: -40°F to +131°F (-40°C to +50°C)

Certifications & Ratings:

10 year warranty
UL 844 (wet locations)
CSA 22.2 No. 137-M81
IP66/67
Class I, Div. 2 Groups A, B, C, D
Class I, Zone 2, Group IIC
Class II, Div. 1 Groups E, F, G (corded model only)
Class II, Div. 2 Groups F, G
Class III, Div. 1 & 2
NEMA 4X
UL 8750
L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range: 10 VDC = 100% light output
0 VDC = <10% light output

Electrical Specifications:

Operating voltage: 100-277 VAC, 120-250 VDC
347-480 VAC

Power consumption: See table

Operating temp: -40°F to +149°F (-40°C to +65°C)

Harmonics: IEC 61000-3-2 Class C

Noise requirement /EMC: FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection: 100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41
347-480VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD: < 20%

Power factor: >0.9

Fusing: Internal

Power Supply:

ALT: (accelerated life testing) Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected

Driver: Fully potted and sealed for superior protection

Construction:

Housing: Copper free aluminum

Finish: Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy primer

Lens: See table

Vibration: Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock: 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI: 80, 70

CCT: 5000K (cool white)
4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)

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SafeSite® Ultra-Efficient LED High Bay - UL / CSA

Ordering Information - Corded Model & Integrated Wiring Box Model



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

V	-		-	D	-		-		-		-		-		-		-	N	-	G	-	N				
Product Code		Junction Box		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		Power Cable		Elect. Access.		Coatings		No Option

Product Code

V SafeSite® High Ultra-Efficient

Junction Box

C Wiring Box²

E No Junction Box

Certification

D UL 844 CID2, CII, CIII
Class I, Zone 2

Lens Material

4 Polycarbonate - Clear

7 Glass - Clear

L Polycarbonate Dome - Diffused

Beam Distribution

E Aisle

M Medium

N Narrow

R High Efficacy Round

CCT & CRI

B Cool White 5000K - 70 CRI

C Cool White 5000K - 80 CRI

L Neutral White 4000K - 70 CRI

N Neutral White 4000K - 80 CRI

Operating Voltage

2 100-277 VAC / 120-250 VDC

5 347-480 VAC

Lumen Type¹

A 12,100 Lumens

B 15,000 Lumens

C 19,100 Lumens

E 26,300 Lumens

F 30,900 Lumens

H 35,700 Lumens

J 41,300 Lumens

Controls

D Continuous Dimming

J IntelliLED Wireless

N No Option

Q Microwave Occupancy Sensor 40'³

Mounting Options

H Hook (Wiring Box only)

N Pendant 3/4" NPT

P Pendant 3/4" NPT
w/ Safety Securing Brackets

R Hook w/ Safety Securing Brackets

Power Cable

N No Cord (Wiring Box only)

W 10' [3 meter] Power Cable

Electrical Accessories

N No Plug

*Cord & plug options available upon request

Coatings

G Gray (RAL 7040)

Option

N No Option

Notes

1) Lumen type based on using a glass lens, round optic, 70CRI. See page 14 for output of other options.

2) Wiring Box is not CIID1 rated.

3) Occupancy Sensor models are dry locations only and are IP6X rated with a -20°C to +65°C ambient temperature range. Occupancy Sensor models are not CIID1 rated.

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SafeSite® Ultra-Efficient LED High Bay - UL / CSA

Ordering Information



Part Number	Lumens	Wattage	lm/W	CCT, CRI	Lens	Beam Distribution	Hardware Options	Wiring
Corded Model - 3/4" Conduit - 100-277 VAC / 120-250 VDC								
VED-7NC2-JNNW-NGN	38,200	230	166	CW, 80CRI	Glass	Narrow	Pendant 3/4" NPT	10' Power Cable
VED-7MC2-JNNW-NGN	37,400	230	163	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VED-7MC2-HNNW-NGN	32,300	195	166	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VED-7MC2-FNNW-NGN	28,000	165	170	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VED-7MC2-ENNW-NGN	23,800	140	170	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
Corded Model - 3/4" Conduit - 347-480 VAC								
VED-7NC5-JNNW-NGN	38,200	230	166	CW, 80CRI	Glass	Narrow	Pendant 3/4" NPT	10' Power Cable
VED-7MC5-JNNW-NGN	37,400	230	163	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VED-7MC5-HNNW-NGN	32,300	195	166	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VED-7MC5-FNNW-NGN	28,000	165	170	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
VED-7MC5-ENNW-NGN	23,800	140	170	CW, 80CRI	Glass	Medium	Pendant 3/4" NPT	10' Power Cable
Integrated Wiring Box Model - Hook - 100-277 VAC / 120-250 VDC								
VCD-7NC2-JDHN-NGN	38,200	230	166	CW, 80CRI	Glass	Narrow	Hook	Wiring Box
VCD-7MC2-JDHN-NGN	37,400	230	163	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCD-7MC2-HDHN-NGN	32,300	195	166	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCD-7MC2-FDHN-NGN	28,000	165	170	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCD-7MC2-EDHN-NGN	23,800	140	170	CW, 80CRI	Glass	Medium	Hook	Wiring Box
Integrated Wiring Box Model - Hook - 347-480 VAC								
VCD-7NC5-JDHN-NGN	38,200	230	166	CW, 80CRI	Glass	Narrow	Hook	Wiring Box
VCD-7MC5-JDHN-NGN	37,400	230	163	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCD-7MC5-HDHN-NGN	32,300	195	166	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCD-7MC5-FDHN-NGN	28,000	165	170	CW, 80CRI	Glass	Medium	Hook	Wiring Box
VCD-7MC5-EDHN-NGN	23,800	140	170	CW, 80CRI	Glass	Medium	Hook	Wiring Box

All values typical unless otherwise stated (tolerance +/- 10%)

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

SafeSite® Ultra-Efficient LED Low Bay - UL / CSA

Technical Information

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

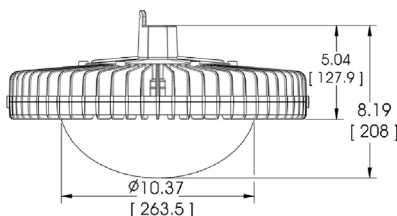
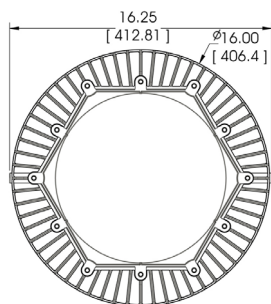
24 lbs (10.8kg)

Mounting:

3/4" NPT - top
Various Kits

Power Cord:

10' 18 AWG ST00W/S00W



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

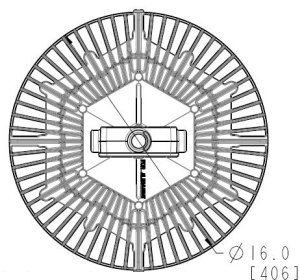
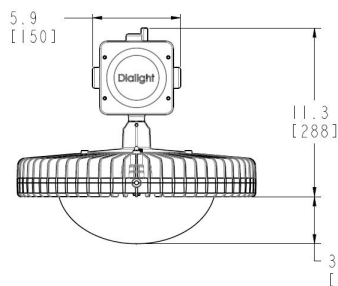
26 lbs (12 kg)

Mounting:

3/4" NPT or Hook
Various Kits

Wiring Box Cable Entries:

(2x) 3/4" NPT



Dimensions in inches (mm)

Temperature Ratings:

Ambient Temp Range

T4 Temp Code: -40°F to +149°F (-40°C to +65°C)

Ambient Temp Range

T5 Temp Code: -40°F to +131°F (-40°C to +50°C)

Certifications & Ratings:

10 year warranty

UL1598/A (wet locations)

UL 8750

IP66/67

Class I, Div. 2 Groups A, B, C, D

Class I, Zone 2, Group IIC

Class II, Div. 1 Groups E, F, G (corded model only)

Class II, Div. 2 Groups F, G

Class III, Div. 1 & 2

CSA 22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range:

10 VDC = 100% light output
0 VDC = <10% light output

Electrical Specifications:

Operating voltage:

100-277 VAC, 120-250 VDC
347-480 VAC

Power consumption:

See table

Operating temp:

-40°F to +149°F (-40°C to +65°C)

Harmonics:

IEC 61000-3-2 Class C

Noise requirement /EMC:

FCC Title 47, Subpart B, Section 15,
Class A device. RF Immunity; 10V/m,
80MHz-1GHz

Transient protection:

100-277 VAC models tested to
withstand up to 8kV/4kA per IEEE
C62.41
347-480VAC models tested to
withstand up to 6kV/3kA per IEEE C62.41

THD:

6k-18k lm models: <20%

Power factor:

>0.9

Fusing:

Internal

Power Supply:

ALT: (accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures)

Over 300 years with annual failure rate
less than 0.3% expected

Driver:

Fully potted and sealed for superior
protection

Construction:

Housing:

Copper free aluminum

Finish:

Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy primer

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles,
per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles,
per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:

80

CCT:

5000K (cool white)
4000K (neutral white)
2700K (warm white)

All values typical unless otherwise stated (tolerance +/- 10%)

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SafeSite® Ultra-Efficient LED Low Bay - UL / CSA

Ordering Information - Corded Model & Integrated Wiring Box Model



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

V		D		U								N	G	N
Product Code	Junction Box	Cert.	Lens Material	Beam Dist.	CCT & CRI	Oper. Voltage	Lumen Type	Controls	Mounting Options	Power Cable	Elect. Access.	Coatings	No Option	

Product Code

V Vigilant® Ultra-Efficient

Beam Distribution

U Ultra Wide

Lumen Type¹

6 6,100 Lumens

9 9,000 Lumens

B 13,400 Lumens

C 16,600 Lumens

Power Cable

N No Cord (Wiring Box only)

W 10' [3 meter] Power Cable

Junction Box

C Wiring Box²

E No Junction Box

CCT & CRI

C Cool White 5000K - 80 CRI

N Neutral White 4000K - 80 CRI

Controls

D Continuous Dimming

J IntelliLED Wireless Controls

N No Option

Q Microwave Occ Sensor 40'³

Electrical Accessories*

N No Plug

*Cord & plug options available upon request

Certification

D UL 844 CID2, CII, CIII
Class I, Zone 2

Coatings

G Gray (RAL 7040)

Lens Material

4 Polycarbonate - Clear

5 Polycarbonate - Diffused

L Polycarbonate Dome - Diffused

Operating Voltage

2 100-277 VAC / 120-250 VDC

5 347-480 VAC

Mounting Options

H Hook

N Pendant 3/4" NPT

P Pendant 3/4" NPT
w/ Safety Securing Brackets

R Hook w/ Safety Securing Brackets

Option

N No Option

Notes

1) Lumen type based on using a polycarbonate dome lens. See page 14 for output of other options.

2) Wiring Box is not CIIID1 rated.

3) Occupancy Sensor models are dry locations only and are IP6X rated with a -20°C to +65°C ambient temperature range. Occupancy Sensor models are not CIIID1 rated.

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SafeSite® Ultra-Efficient LED Low Bay - UL / CSA

Ordering Information - Corded Model & Integrated Wiring Box Model



Part Number	Lumens	Wattage	lm/W	CCT, CRI	Lens	Beam Distribution	Hardware Options	Wiring
Corded Model - 3/4" Conduit - 100-277 VAC / 120-250 VDC								
VED-LUC2-CNNW-NGN	16,700	115	145	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
VED-LUC2-BNNW-NGN	13,400	90	149	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
VED-LUC2-9NNW-NGN	9,000	60	150	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
VED-LUC2-6NNW-NGN	6,100	43	142	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
Corded Model - 3/4" Conduit - 347-480 VAC								
VED-LUC5-CNNW-NGN	16,700	115	145	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
VED-LUC5-BNNW-NGN	13,400	90	149	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
VED-LUC5-9NNW-NGN	9,000	60	150	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
Integrated Wiring Box Model - Hook - 100-277 VAC / 120-250 VDC								
VCD-LUC2-CDHN-NGN	16,700	115	145	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
VCD-LUC2-BDHN-NGN	13,400	90	149	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
VCD-LUC2-9DHN-NGN	9,000	60	150	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
VCD-LUC2-6DHN-NGN	6,100	43	142	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
Integrated Wiring Box Model - Hook - 347-480 VAC								
VCD-LUC5-CDHN-NGN	16,700	115	145	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
VCD-LUC5-BDHN-NGN	13,400	90	149	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box
VCD-LUC5-9DHN-NGN	9,000	60	150	CW, 80CRI	Polycarbonate Dome - Diffused	Ultra Wide	Hook	Wiring Box

All values typical unless otherwise stated (tolerance +/- 10%)

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SafeSite® LED High Bay - UL / CSA

Class I, Div. 1 and Class I, Zone 1 - 100-277 VAC



Mechanical Information:

Fixture weight:

30 lbs (14 kg)

Shipping weight:

35 lbs (19 kg)

Mounting:

3/4" NPT - top

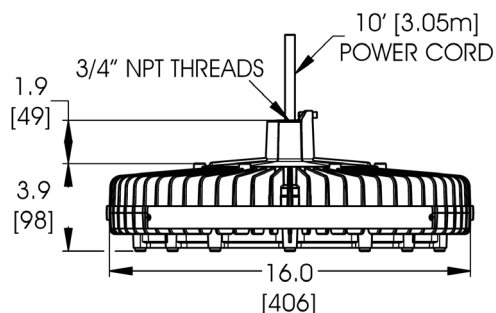
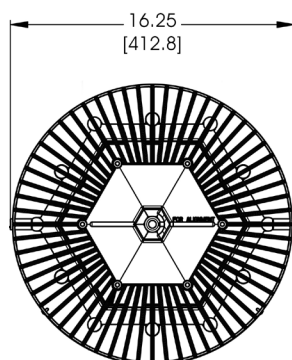
Various Kits

Power Cord:

10' 18 AWG STOOW/SOOW

Class I, Div. 1 Groups C, D
 Class I, Div. 1 Groups B, C, D
 Class I Zone 1, Groups IIB
 Class I, Div. 2 Groups C, D
 Class II, Div. 1 Groups E, F, G
 Class II, Div. 2 Groups F, G

*Group B applies to HEP models only



Dimensions in inches (mm)

Temperature Ratings:

Ambient Temp Range

T4 Temp Code: -40°F to +149°F (-40°C to +65°C)

Ambient Temp Range

T5 Temp Code: -40°F to +131°F (-40°C to +50°C)

Certifications & Ratings:

10 year warranty

UL 844 (wet locations)

CSA 22.2 No. 137-M81

IP66/67

Factory sealed

NEMA 4X

UL 8750

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range:

10 VDC = 100% light output
 0 VDC = <10% light output

Electrical Specifications:

Operating voltage: 100-277 VAC, 120-250 VDC

Power consumption: See table

Operating temp: -40°F to +149°F (-40°C to +65°C)

Harmonics: IEC 61000-3-2 Class C

Noise requirement /EMC: FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection:

Protection devices capable of handling up to 6kV. Tested with 6kV/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground

THD:

< 20%

Power factor:

>0.9

Cabling:

STOOW 18 gauge AWG

Fusing:

Internal

Power Supply:

ALT:
 (accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF:
 (mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper free aluminum

Finish:

Superior dual coat finish
 Sealed polyester topcoat
 Chemical-resistant epoxy primer

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles,
 per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles,
 per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:

80

CCT:

5000K (cool white)
 4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)

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SafeSite® LED High Bay - UL / CSA

Class I, Div. 1 and Class I, Zone 1 - 100-277 VAC



Project Information			Specifications		
Part Number:					
Project:					
Fixture Type:		Date:			

Ordering Information

HE	-		-	7	-		-		-	2	-		-		-	W	-	N	-	G	-	N		
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		Power Cable		Elect. Access.		Coatings		No Option

Product Code

HE High Bay 3/4" NPT

Beam Distribution

E Oval

M Medium

N Narrow

W Wide

Lumen Type

A 9,500 Lumens

B 12,500 Lumens

C 16,000 Lumens

E 23,500 Lumens

Power Cable

W 10' [3 meter] Power Cable

Certification

C UL 844, CID1, Class I, Zone 1

M UL 844, CID1 Paint Spray Class I, Zone 1

P UL 844, CID1 Group B, Class I, Zone 1

CCT & CRI

C Cool White 5000K - 80 CRI

N Neutral White 4000K - 80 CRI

Controls

D Dimming (0-10V)

N No Option

Electrical Accessories

N No Plug

Lens Material

7 Glass - Clear

Operating Voltage

2 100-277 VAC / 120-250 VDC

Mounting Options

H Hook

N Pendant 3/4" NPT

P Pendant 3/4" NPT w/ Safety Securing Brackets

R Hook w/ Safety Securing Brackets

Coatings

G Gray (RAL 7040)

Option

N No Option

Notes

1) Lumen type based on using a glass lens. See tables for lumens when changing lenses.

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Ordering Information

SafeSite® LED High Bay

Class I, Div. 1 and Class I, Zone 1 - 100-277 VAC



Part Number	Lumens	Wattage	lm/W	Certification	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Wiring
Class I, Div. 1 and Class I, Zone 1 - 100-277 VAC										
HEC-7WC2-ENNW-NGN	23,500	186	126	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-ENPW-NGN	23,500	186	126	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7MC2-ENNW-NGN	23,500	186	126	Paint Spray	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-CNNW-NGN	16,000	129	124	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-CNWW-NGN	16,000	129	124	CID1	CW	Tempered Glass	Wide	No controls	Safety Bracket w/ SS 316 Forward Throw Bracket	10' Power Cable
HEC-7MC2-CNPW-NGN	16,000	129	124	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEC-7WC2-CNTW-NGN	16,000	129	124	CID1	CW	Tempered Glass	Wide	No controls	Safety Bracket w/ Locking Swivel Mount/Bracket SS316	10' Power Cable
HEC-7WC2-CNNW-NGN	16,000	129	124	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-CNPW-NGN	16,000	129	124	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7MC2-CNNW-NGN	16,000	129	124	Paint Spray	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-BNNW-NGN	12,500	102	123	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-BNPW-NGN	12,500	102	123	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7WC2-BNNW-NGN	12,500	102	123	Paint Spray	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-BNNW-NGN	12,500	102	123	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-BNPW-NGN	12,500	102	123	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7WN2-ANNW-NGN	9,500	80	119	Paint Spray	NW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-ANNW-NGN	9,500	80	119	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-ANNW-NGN	9,500	80	119	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MN2-ANNW-NGN	9,250	80	116	CID1	NW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable

All values typical unless otherwise stated (tolerance +/- 10%)

0-10V dimming option available for products in the above table. Replace the ninth character N with D. Ex: HEC-7WC2-ENNW-NGN becomes HEC-7WC2-EDNW-NGN.

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SafeSite® LED High Bay - UL / CSA

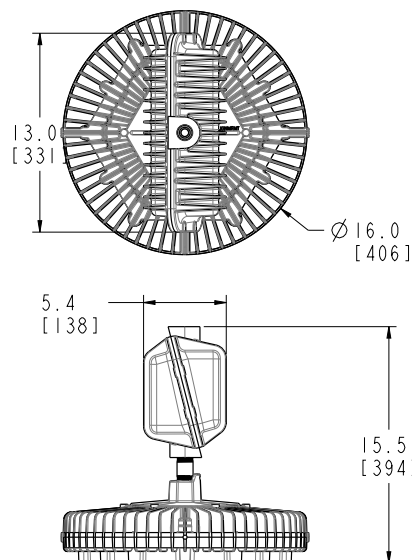
Class I, Div. 1 Passive Power Supply Model - 347 or 480 VAC



Patent pending

Certifications & Ratings:

- 10 year warranty
- UL 844 (wet locations)
- CSA C22.2 No. 137-M81
- IP66/67
- NEMA 4X
- L70 rated for >150,000 hours
- Class I, Div. 1 Groups C, D
- Zone 1, Group IIB
- Class I, Div. 2 Groups C, D
- Class II, Div. 1 Groups E, F, G
- Class II, Div. 2 Groups F, G



Dimensions in inches (mm)

Mechanical Information:

Fixture weight: 52 lbs (23.6 kg)

Shipping weight: 59 lbs (26.8 kg)

Mounting: 3/4" NPT - top

Temperature Ratings:

Ambient temp range T4A temp code: -40°F to +149°F (-40°C to +65°C)

Ambient temp range T5 temp code: -40°F to +131°F (-40°C to +55°C)

Electrical Specifications:

Operating voltage: 347 or 480 VAC (see part number table)

Total system power consumption: See table

Operating temperature: -40°F to +149°F (-40°C to +65°C)

Noise requirement /EMC: FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection: Tested for 10kV/2 ohm combination wave, as per IEEE C62.41, line-line and line ground

THD: <10K <30%
>10K <20%

Power factor: >0.9

Fusing: Internal

Power Supply:

ALT: (accelerated life testing) Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected

Construction:

Housing: Copper free aluminum

Finish: Superior dual coat finish
- Sealed polyester topcoat
- Epoxy primer

Lens: See table

Vibration: Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock: 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI: 80

CCT: 5000K (cool white)
4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)

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SafeSite® LED High Bay - UL / CSA

Class I, Div. 1 Passive Power Supply Model - 347 or 480 VAC



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

HE	-		-	7	-	M	-		-		-		-	N	-		-	W	-	N	-	G	-	N
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		Power Cable		Elect. Access.		Coatings		No Option

Product Code

HE High Bay Passive Power Supply

Beam Distribution

M Medium

Lumen Type¹

A 9,500 Lumens

B 14,000 Lumens

C 18,000 Lumens

E 27,000 Lumens

Power Cable

W 10' (3 meter) Power Cable

Certification

C UL 844 CID1

M UL 844 CID1 Paint Spray

CCT & CRI

C Cool White 5000K - 80 CRI

N Neutral White 4000K - 80 CRI

Controls

N No Option

Electrical Accessories

N No Plug

Lens Material

7 Glass - Clear

Operating Voltage

P 480 VAC

Q 347 VAC

Mounting Options

H Hook

N Pendant 3/4" NPT

P Pendant 3/4" NPT
w/ Safety Securing Brackets

R Hook w/ Safety Securing Brackets

Coatings

G Gray (RAL 7040)

Option

N No Option

Notes

1) Lumen values provided for reference only. Actual lumen values provided in the table on High Bay spec sheet.

Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
347 VAC Models								
HEC-7MCQ-ENNW-NGN	27,400	206	133	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCQ-CNNW-NGN	18,300	136	135	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCQ-BNNW-NGN	13,200	100	132	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCQ-ANNW-NGN	9,800	81	121	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
480 VAC Models								
HEC-7MCP-ENNW-NGN	27,200	206	132	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCP-CNNW-NGN	18,200	129	141	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCP-BNNW-NGN	15,200	116	131	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCP-ANNW-NGN	9,400	73	129	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable

All values typical unless otherwise stated (tolerance +/- 10%)

See ordering chart for additional options.

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SafeSite® LED High Bay - UL / CSA

Class I, Div. 2 and Class I, Zone 2

Corded Model



Mechanical Information:

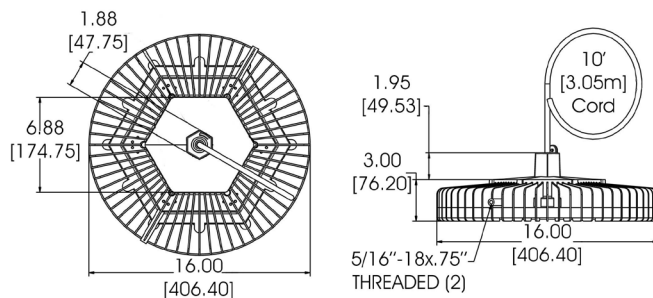
Fixture weight:
18 lbs (8.16kg)

Shipping weight:
24 lbs (10.8kg)

Mounting:
3/4" NPT - top
Various Kits

Power Cord:
10' 18 AWG ST00W/S00W

Patent pending



Integrated Wiring Box Model



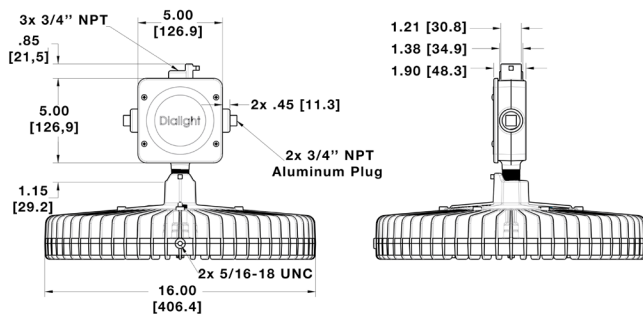
Mechanical Information:

Fixture weight:
20 lbs (9 kg)

Shipping weight:
26 lbs (12 kg)

Mounting:
3/4" NPT or Hook

Wiring Box Cable Entries:
(2x) 3/4" NPT



Dimensions in inches (mm)

Temperature Ratings:

Ambient Temp Range
T4 Temp Code: -40°F to +149°F (-40°C to +65°C)

Ambient Temp Range
T5 Temp Code: -40°F to +131°F (-40°C to +50°C)

Certifications & Ratings:

10 year warranty
UL 844 (wet locations)
CSA 22.2 No. 137-M81
IP66/67
Class I, Div. 2 Groups A, B, C, D
Class I, Zone 2, Group IIC
Class II, Div. 1 Groups E, F, G (corded model only)
Class II, Div. 2 Groups F, G
Class III, Div. 1 & 2
NEMA 4X
UL 8750
L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range: 10 VDC = 100% light output
0 VDC = <10% light output

Electrical Specifications:

Operating voltage: 100-277 VAC, 120-250 VDC
347-480 VAC

Power consumption: See table

Operating temp: -40°F to +149°F (-40°C to +65°C)

Harmonics: IEC 61000-3-2 Class C

Noise requirement / EMC: FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity: 10V/m, 80MHz-1GHz

Transient protection: 100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41
347-480VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD: < 20%

Power factor: >0.9

Fusing: Internal

Power Supply:

ALT: (accelerated life testing) Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected

Driver: Fully potted and sealed for superior protection

Construction:

Housing: Copper free aluminum

Finish: Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy primer

Lens: See table

Vibration: Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock: 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI: 80

CCT: 5000K (cool white)
4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)

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Project Information		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications	

Ordering Information

Product Code - **D** - Lens Material - Beam Dist. - CCT & CRI - Oper. Voltage - Lumen Type - Controls - Mounting Options - Power Cable - **N** - **G** - **N**

Product Code Cert. Lens Material Beam Dist. CCT & CRI Oper. Voltage Lumen Type Controls Mounting Options Power Cable Elect. Access. Coatings No Option

Product Code		Beam Distribution		Lumen Type		Power Cable	
HC	High Bay Integrated Pendant Wiring Box	E	Oval	A	11,600 Lumens	N	No Cord (HC only)
HE	High Bay 3/4" NPT	M	Medium	B	14,900 Lumens	W	10' [3 meter] Power Cable (HE only)
		N	Narrow	C	19,800 Lumens		
		W	Wide	E	27,500 Lumens		
Certification		CCT & CRI		Controls		Electrical Accessories	
D	UL 844 CID2, CII, CIII Class I, Zone 2	C	Cool White 5000K - 80 CRI	D	Dimming (0-10V)	N	No Plug
		N	Neutral White 4000K - 80 CRI	N	No Option		
Lens Material		Operating Voltage		Mounting Options		Coatings	
4	Polycarbonate - Clear	2	100-277 VAC / 120-250 VDC	H	Hook (HC only)	G	Gray (RAL 7040)
7	Glass - Clear	5	347-480 VAC	N	Pendant 3/4" NPT		
L	Polycarbonate Dome - Diffused			P	Pendant 3/4" NPT w/ Safety Securing Brackets		
R	Power Wash Glass, Clear			R	Hook w/ Safety Securing Brackets (HC only)	Option	
						N	No Option

1) Lumen type based on using a glass lens. See tables for lumens when changing lenses.

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Ordering Information

Class I, Div. 2 and Class I, Zone 2



Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
Corded Model - Class I, Div. 2 and Class I, Zone 2 - 100-277 VAC / 120-250 VDC								
HED-7WC2-ENNW-NGN	27,200	185	147	CW	Glass - Clear	Wide	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-ENPW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-ENPW-NGN	27,200	185	147	CW	Glass - Clear	Wide	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-ENTW-NGN	27,200	185	147	CW	Glass - Clear	Wide	HBXW3-SSL-316 Bracket with Safety Tabs	10' Power Cable
HED-7MC2-ENNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-ENVW-NGN	27,200	185	147	CW	Glass - Clear	Wide	HBXW3-SSL-316FT Bracket with Safety Tabs	10' Power Cable
HED-4MC2-ENNW-NGN	27,200	185	147	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-CNWW-NGN	19,600	130	151	CW	Glass - Clear	Wide	HBXW3-SSL-316FT Bracket with Safety Tabs	10' Power Cable
HED-7MC2-CNPW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-CNNW-NGN	19,600	130	151	CW	Glass - Clear	Wide	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-CNTW-NGN	19,600	130	151	CW	Glass - Clear	Wide	HBXW3-SSL-316 Bracket with Safety Tabs	10' Power Cable
HED-4MC2-CNNW-NGN	19,600	130	151	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-CNNW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-BNNW-NGN	14,900	100	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-BNPW-NGN	14,800	100	148	CW	Glass - Clear	Wide	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7MC2-BNPW-NGN	14,900	100	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7MN2-BNPW-NGN	14,900	100	149	NW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-BNNW-NGN	14,800	100	148	CW	Glass - Clear	Wide	Pendant 3/4" NPT	10' Power Cable
HED-4MC2-BNNW-NGN	14,800	100	148	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-ANNW-NGN	11,600	80	145	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-ANPW-NGN	11,600	80	145	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-ANNW-NGN	11,500	80	144	CW	Glass - Clear	Wide	Pendant 3/4" NPT	10' Power Cable
HED-4MC2-ANNW-NGN	11,500	80	144	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-5MC2-ANNW-NGN	10,900	80	136	CW	Polycarbonate - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
Corded Model - Class I, Div. 2 and Class I, Zone 2 - 347-480 VAC								
HED-7MC5-EDNW-NGN	27,500	185	149	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC5-ENNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC5-CDNW-NGN	19,800	130	152	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC5-BDNW-NGN	14,900	100	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-4MC5-ADNW-NGN	11500	80	144	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable

All values typical unless otherwise stated (tolerance +/- 10%)

0-10V dimming option available for products in the above table. Replace the ninth character N with D. Ex: HED-7MC2-ENNW-NGN becomes HED-7MC2-EDNW-NGN.

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SafeSite® LED High Bay - UL / CSA

Passive Power Supply Model - 347 or 480 VAC



Mechanical Information:

Fixture weight:

40 lbs (18 kg)

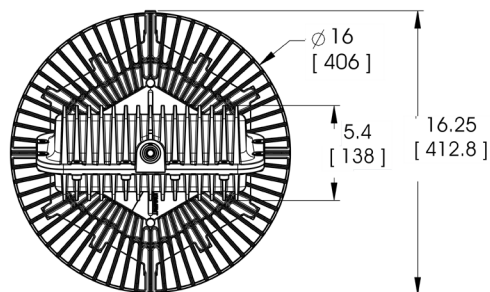
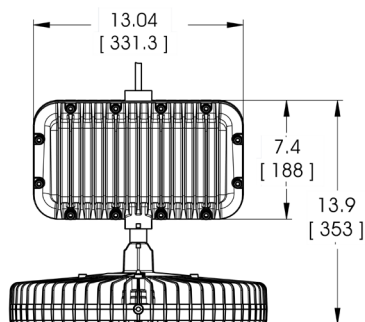
Shipping weight:

45 lbs (20 kg)

Mounting:

3/4" NPT - top
Various Kits

Patent pending



Dimensions in inches (mm)

Temperature Ratings:

Ambient Temp Range

T4 Temp Code: -40°F to +149°F (-40°C to +65°C)

Ambient Temp Range

T5 Temp Code: -40°F to +131°F (-40°C to +50°C)

Certifications & Ratings:

10 year warranty

UL 1598/A (wet locations)

UL 8750

IP66

Class I, Div. 2 Groups A, B, C, D

Class I, Zone 2, Group IIC

Class II, Div. 1 Groups E, F, G

Class II, Div. 2 Groups F, G

Class III, Div. 1 & 2

CSA C22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Electrical Specifications:

Operating Voltage:

347 or 480 VAC

Total system power consumption:

See table

Operating Temp:

-40°F to +149°F (-40°C to +65°C)

Harmonics:

IEC 61000-3-2 Class C

Noise requirement /EMC:

FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection:

Protection devices capable of handling up to 10kV. Tested for 10kV/2 ohm combination wave, as per IEEE C62.41, line-line and line ground

THD:

<20%

Power Factor:

>0.9

Fusing:

Internal

Power Supply:

ALT:

(accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF:

(mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Construction:

Housing:

Copper free aluminum

Finish:

Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy primer

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:

80

CCT:

5000K (cool white)
4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%)

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SafeSite® LED High Bay - UL / CSA

Passive Power Supply Model - 347 or 480 VAC



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

HE	D		M				N		W	N	G	N
Product Code	Cert.	Lens Material	Beam Dist.	CCT & CRI	Oper. Voltage	Lumen Type	Controls	Mounting Options	Power Cable	Elect. Access.	Coatings	No Option

Product Code HE High Bay	Beam Distribution M Medium	Lumen Type A 11,300 Lumens B 14,300 Lumens C 18,000 Lumens E 27,000 Lumens	Power Cable W 10' (3 meter) Power Cable
Certification D UL 844 CID2, CII, CIII Class I, Zone 2	CCT & CRI C Cool White 5000K - 80 CRI N Neutral White 4000K - 80 CRI	Controls N No Dimming	Electrical Accessories N No Plug
Lens Material 7 Glass - Clear L Polycarbonate Dome - Diffused R Power Wash Glass, Clear	Operating Voltage P 480 VAC Q 347 VAC	Mounting Options H Hook N Pendant 3/4" NPT P Pendant 3/4" NPT w/ Safety Securing Brackets R Hook w/ Safety Securing Brackets	Coatings G Gray (RAL 7040)
			Option N No Option

Notes

1) Lumen type based on using a glass lens. See tables for lumens when changing lenses.

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Ordering Information

SafeSite® LED High Bay - Passive Power Supply Model



Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
Passive Power Supply Model - 347 VAC								
HED-7MCQ-ENNW-NGN	27,000	206	131	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCQ-CNNW-NGN	18,000	136	132	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCQ-BNNW-NGN	14,300	100	143	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCQ-ANNW-NGN	11,300	81	140	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
Passive Power Supply Model - 480 VAC								
HED-7MCP-ENNW-NGN	27,000	206	131	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCP-CNNW-NGN	18,000	129	140	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCP-BNNW-NGN	14,300	116	123	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCP-ANNW-NGN	11,300	73	155	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable

All values typical unless otherwise stated (tolerance +/- 10%)

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

SafeSite® LED Low Bay - UL / CSA

Corded Model & Integrated Wiring Box Model

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

24 lbs (10.8kg)

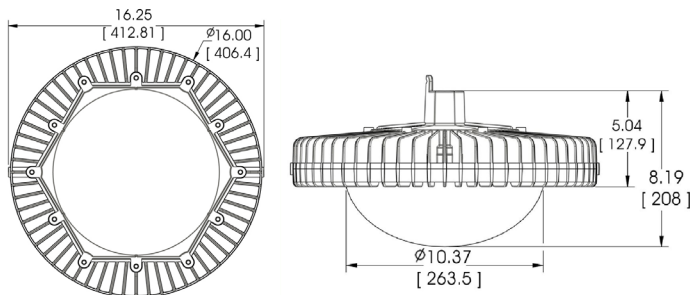
Mounting:

3/4" NPT - top

Various Kits

Power Cord:

10' 18 AWG ST00W/S00W



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

26 lbs (12 kg)

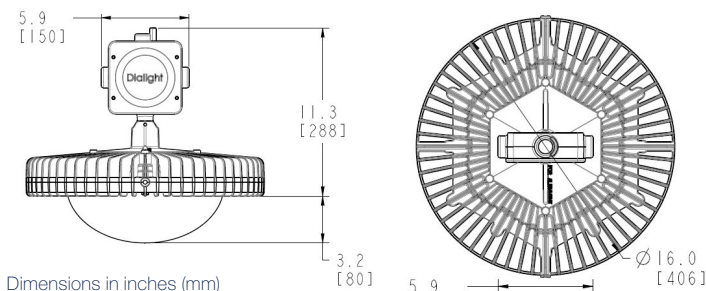
Mounting:

3/4" NPT or Hook

Various Kits

Wiring Box Cable Entries:

(2x) 3/4" NPT



Dimensions in inches (mm)

Temperature Ratings:

Ambient Temp Range

T4 Temp Code:

-40°F to +149°F (-40°C to +65°C)

Ambient Temp Range

T5 Temp Code:

-40°F to +131°F (-40°C to +50°C)

Certifications & Ratings:

10 year warranty

UL 1598/A (wet locations)

UL 8750

IP66/67

Class I, Div. 2, Groups A, B, C, D

Class I, Zone 2, Group IIC

Class II, Div. 1 Groups E, F, G (corded model only)

Class II, Div. 2 Groups F, G

Class III, Div. 1 & 2

CSA C22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control:

0-10 VDC

Dimming Range:

10 VDC = 100% light output

0 VDC = <10% light output

Electrical Specifications:

Operating Voltage:

100-277 VAC (120-250 VDC)

347-480 VAC

Total system power consumption:

See table

Operating Temp:

Harmonics:

-40°F to +149°F (-40°C to +65°C)

IEC 61000-3-2 Class C

Noise requirement /EMC:

FCC Title 47, Subpart B, Section 15, class A device. RF Immunity: 10V/m, 80MHz-1GHz

Transient protection:

100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41
347-480VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD:

6k-18k lm models: <20%

4k lm models: <30%

Power Factor:

>0.9

Fusing:

Internal

Power Supply:

ALT: (accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper free aluminum

Finish:

Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy primer

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:

80

CCT:

5000K (cool white)
4000K (neutral white)
2700K (warm white)

All values typical unless otherwise stated (tolerance +/- 10%)

DISCLAIMER. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at www.dialight.com as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document or information provided at www.dialight.com, the latter shall prevail.

SafeSite® LED Low Bay - UL / CSA

Corded & Integrated Wiring Box



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

	D		U								N	G	N
Product Code	Cert.	Lens Material	Beam Dist.	CCT & CRI	Oper. Voltage	Lumen Type	Controls	Mounting Options	Power Cable	Elect. Access.	Coatings	No Option	

Product Code

LC Low Bay Integrated Wiring Box
LE Low Bay

Beam Distribution

U Ultra Wide

Lumen Type

4 3,900 Lumens (100-277V only)
6 6,400 Lumens (100-277V only)
9 9,200 Lumens
B 13,200 Lumens
C 17,200 Lumens

Power Cable

N No Cord (LC only)
W 10' [3 meter] Power Cable (LE only)

Certification

D UL 844 CID2, CII, CIII
Class I, Zone 2

CCT & CRI

C Cool White 5000K - 80 CRI
N Neutral White 4000K - 80 CRI

Controls

D Dimming (0-10V)
N No Option

Electrical Accessories

N No Plug

Lens Material

4 Polycarbonate - Clear
5 Polycarbonate - Diffused
L Polycarbonate Dome - Diffused

Operating Voltage

2 100-277 VAC / 120-250 VDC
5 347-480 VAC

Mounting Options

H Hook (LC only)
N Pendant 3/4" NPT
P Pendant 3/4" NPT
w/ Safety Securing Brackets
R Hook w/ Safety Securing Brackets
(LC only)

Coatings

G Gray (RAL 7040)

Option

N No Option

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Ordering Information

Corded Model & Integrated Wiring Box Model



Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
Corded Model - Class I, Div. 2 - 100-277 VAC / 120-250 VDC								
LED-LUC2-CNNW-NGN	17,200	150	115	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LED-LUC2-BNNW-NGN	13,100	112	117	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LED-LUC2-9NNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LED-LUC2-6NNW-NGN	6,400	50	128	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
Corded Model - Class I, Div. 2 - 347-480 VAC								
LED-LUC5-CNNW-NGN	17,200	150	115	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LED-LUC5-BNNW-NGN	13,100	112	117	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LED-LUC5-9NNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable

All values typical unless otherwise stated (tolerance +/- 10%)

0-10V dimming option available for products in the above table. Replace the ninth character N with D. Ex: LEU-LUC2-9NNW-NGN becomes LEU-LUC2-9DNW-NGN.

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SafeSite® LED High Bay

Lumen Tables

SafeSite CID1 High Bay 100-277 VAC

Output	Wattage	Lens	Lens Material	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	186	7	Glass	23,500	23,000	20,000
	186	8	Glass Diffused	20,800	20,300	17,600
C	129	7	Glass	16,000	15,700	13,600
	129	8	Glass Diffused	14,000	13,700	11,900
B	102	7	Glass	12,500	12,200	10,600
	102	8	Glass Diffused	11,000	10,800	9,400
A	80	7	Glass	9,500	9,300	8,100
	80	8	Glass Diffused	8,400	8,200	7,100

Higher efficiency models available. See Ultra-Efficient High Bay spec sheet.

Passive Power Supply

Output	Wattage 347 VAC	Wattage 480 VAC	Lens	Lens Material	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	206	206	7, R	Glass	27,000	26,400	23,000
	206	206	L, Z	Polycarbonate Dome Diffused	25,000	24,500	21,300
	206	206	8, S	Glass Diffused	23,800	23,300	20,200
C	136	129	7, R	Glass	18,000	17,600	15,300
	136	129	L, Z	Polycarbonate Dome Diffused	16,800	16,400	14,300
	136	129	8, S	Glass Diffused	15,800	15,500	13,400
B	100	116	7, R	Glass	14,300	14,000	12,200
	100	116	L, Z	Polycarbonate Dome Diffused	13,300	13,000	11,300
	100	116	8, S	Glass Diffused	12,500	12,200	10,600
A	81	73	7, R	Glass	11,300	11,100	9,600
	81	73	L, Z	Polycarbonate Dome Diffused	10,300	10,100	8,800
	81	73	8, S	Glass Diffused	9,800	9,600	8,300

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SafeSite® LED High Bay

Accessories



Suitable for:
CID1 • CID2

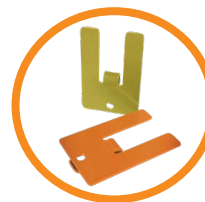
HBXW1

- Wall mount
- **HBXC1**
- Ceiling mount



Suitable for: CID2
HBXW2

- Swivel bracket and cable gland



HBXFLAG-Y
HBXFLAG-O

- Yellow Aluminum
- Orange Aluminum



Suitable for:
CID2

HBXCG

- Cable gland



Suitable for: CID2
HBX-DUAL-BRCKT

- Dual bracket



HBXSB

- Stainless steel safety securing brackets (4x)



HBXCAB48

- 48" long stainless steel safety rope (for use with safety bracket)



Suitable for:
CID1 • CID2
HBXW3-SSL-316

- Stainless steel swivel bracket
- 316 Stainless steel

HBXW3-SSL-304

- Stainless steel swivel bracket
- 304 Stainless steel

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SafeSite® LED Area Light

100-277 VAC, 120-250 VDC



Certifications & Ratings*

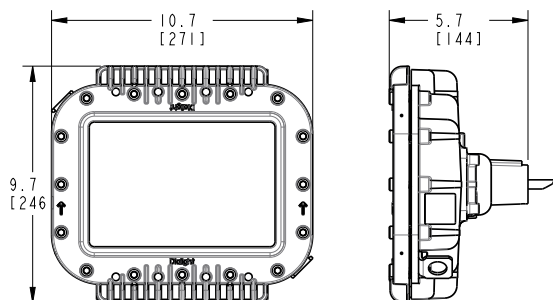
- 10 year warranty
- L70 > 150,000 hours @ 65°C
- UL 844, UL 1598/A
- CSA C22.2 No. 250
- CSA C22.2 No. 137-M81
- IP66 / 67 / 69
- NEMA 4X
- Factory sealed

ALD/ALF:

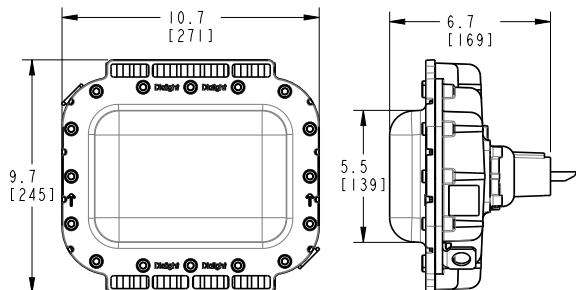
- Class I, Div. 2, Groups A, B, C, D
- Class I, Zone 2, Group IIC
- Class II, Div. 1, Groups E, F, G
- Zone 20 and 21
- Class II, Div. 2 Groups F, G
- Zone 22
- Class III, Div. 1 & 2

*ETL listed

Tempered Glass Lens



Polycarbonate Lens



Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature Range T4A	Ambient Temperature Range T5
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

Mechanical Information:

Fixture weight: 10 lb (4.5 kg) - Polycarbonate lens
12 lb (5.5 kg) - Tempered glass lens
with stainless steel bracket: 13 lb (5.9 kg) - Polycarbonate lens
15 lb (6.8 kg) - Tempered glass lens

Shipping weight: Add 2 lb (0.91 kg) to weights above

Impact rating: IK10 - Polycarbonate lens
IK07 - Tempered glass lens

Cabling: 10' ST00W 1.02mm 18 AWG

Electrical Specifications:

Operating voltage: 100-277 VAC 50/60Hz, 120-250 VDC

Total system power consumption: See table

Operating temperature: -40°F to +149°F (-40°C to +65°C)

EMC: FCC Title 47, Subpart B, Section 15, Class A device
RF Immunity 20V/m 80MHz-1GHz.

Transient protection: 6 kV, 2 Ohm line-line and line-ground

Harmonics: IEC 61000-3-2, Class C

THD: < 20%

Power factor: > 0.9

Power Supply:

ALT: (accelerated life testing) Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected

Driver: Fully potted and sealed for superior protection

Construction:

Housing: Copper-free aluminum

Finish: Superior dual coat finish
- Sealed polyester topcoat
- Epoxy primer

Lens: Hard-coated polycarbonate
Tempered glass

Vibration: Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock: 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI: 80

CCT: 5000K (cool white)
4000K (neutral white)

Optics: 360°
180° forward throw for 45° mounting
Wide for 0° mounting

All values typical unless otherwise stated (tolerance +/- 10%)

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SafeSite® LED Area Light

100-277 VAC, 120-250 VDC with Universal Mounting Adapter

Universal Mounting Adapter



For use with HZXW01, HZXW45, HZXS45 or HZXFM brackets sold separately



HZXW01



HZXS45



HZXS90 / HZXT90



HZXC34



HZXW45



HZXFM

Mechanical Information:

Fixture weight:

UMA models:

12 lb (5.5 kg) - Polycarbonate lens
15 lb (6.8 kg) - Tempered glass lens

Wall mount models:

15 lb (6.8 kg) - Polycarbonate lens
18 lb (8.2 kg) - Tempered glass lens

45° wall mount models:

14 lb (6.4 kg) - Polycarbonate lens
17 lb (7.7 kg) - Tempered glass lens

45° stanchion mount:

15 lb (6.8 kg) - Polycarbonate lens
18 lb (8.2 kg) - Tempered glass lens

Ceiling mount:

14 lb (6.4 kg) - Polycarbonate lens
7 lb (7.7 kg) - Tempered glass lens

90° stanchion mount:

16 lb (7.2 kg) - Polycarbonate lens
19 lb (8.6 kg) - Tempered glass lens

Shipping weight:

Add 2 lb (0.91 kg) to weights above

Cabling:

14" leads 1.02 mm 18 AWG

Impact rating:

IK10 - Polycarbonate lens
IK07 - Tempered glass lens

Electrical Specifications:

Operating voltage:

100-277 VAC 50/60Hz, 120-250 VDC

Operating temperature:

-40°F to +149°F (-40°C to +65°C)

EMC:

FCC Title 47, Subpart B, Section 15,
Class A device
RF Immunity 20V/m 80MHz-1GHz.

Transient protection:

6 kV, 2 Ohm line-line and line-ground

Harmonics:

IEC 61000-3-2, Class C

THD:

< 20%

Power factor:

> 0.9

Power Supply:

ALT:
(accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF:
(mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper-free aluminum

Finish:

Superior dual coat finish
- Sealed polyester topcoat
- Epoxy primer

Lens:

Hard-coated polycarbonate
Tempered glass

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles,
per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles,
per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:

80

CCT:

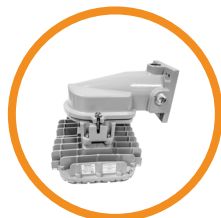
5000K (cool white)
4000K (neutral white)

Optics:

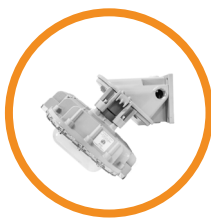
360°
180° forward throw for 45° mounting
Wide for 0° mounting

All values typical unless otherwise stated (tolerance +/- 10%)

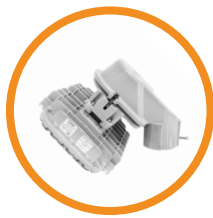
Wall & Ceiling Mount



45° Wall Mount



45° Stanchion Mount



Ceiling Mount



Conveyor Mount



90° Stanchion Mount



Certifications & Ratings*

- 10 year warranty
- L70 > 150,000 hours @ 65°C
- UL 844, UL 1598/A
- CSA C22.2 No. 250
- CSA C22.2 No. 137-M81

- IP66 / 67
- NEMA 4X
- Factory sealed

ALD/ALF:

- Class I, Div. 2, Groups A, B, C, D
- Class I, Zone 2, Group IIC
- Class II, Div. 1, Groups E, F, G
- Zone 20 and 21
- Class II, Div. 2 Groups F, G
- Zone 22
- Class III, Div. 1 & 2

*ETL listed

Temperature Ratings

Ambient Temperature Range T4A	Ambient Temperature Range T5
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

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SafeSite® LED Area Light

100-277 VAC, 120-250 VDC



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information

AL	-		-		-		-	2	-		-		-		-	N	-	G	-	N				
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		HW Access.		Elect. Access.		Coatings		Battery

Product Code

AL Area Light

Certification

- D UL 844 Class I, Div. 2
Class II, Div. 1, 2, Class III, Div. 1, 2
Class I, Zone 2, Group IIC,
CSA C22.2 No. 137-M81
- F UL 844 Class II Div. 1, 2
Class I Div. 2, Class III, Div. 1, 2
CSA C22.2 No. 137-M81

Lens Material

- 5 Polycarbonate - Diffused
- 7 Tempered Glass - Clear

Beam Distribution

- A 180°
- B 360°
- W Wide

CCT & CRI

- C Cool White 5000K - 80 CRI
- N Neutral White 4000K - 80 CRI

Operating Voltage

- 2 100-277 VAC, 120-250 VDC

Lumen Type

- 3 3,100 Lumens
- 4 4,200 Lumens
- 6 5,700 Lumens
- 7 7,300 Lumens
- 9 9,000 Lumens

*For lumen output see page 21

Controls

- D Dimming (0-10V)
- N No Option

Mounting Options

- Retro-fit Adapter
- Universal Mounting Adapter (UMA)
- B Swivel Bracket, Locking 0° - 90°
316 Stainless Steel
- N 3/4" NPT Pendant
- A Appleton Mercmaster III
- C Crouse-Hinds - Champ
- E GE Mini-Gard
- G GE Filtr-Gard
- H Thomas & Betts Hazlux
- K Killark Certilite & Certilite V
- M Appleton Mercmaster II
- P Holophane Petrolux II and III
- F Ceiling Mount
- S 45° Stanchion Mount
- T 90° Stanchion Mount (NPT)
- U UMA - Mounting Hub
- V 0° Wall Mount
- W 45° Wall Mount
- Y 34mm Conveyor Mount

Hardware Accessories

- N For Mounting Options -
A, C, F, G, H, K, M, S, U, V, W, Y
(individual wire leads are terminated
in adapter housing)
- W 10 ft (3 meter) Power Cable for
Mounting Options - B, N

Electrical Accessories

- N No Option

Coatings

- G Gray (RAL 7040)

Battery

- N No Option

Notes

- For DLC approved model, dimming option is required.
- GE Mini-Gard retrofit adapter models are not Class II, Div. 1 certified
- When ordering Beam Distribution W - Wide: Lumen Type = 7.
- When ordering Mounting Options "UMA" or "Retro-fit": Hardware Accessories = N.
- When ordering Mounting Option U - UMA Mounting Hub HZXW01, HZXW45, HZXS45, HZXT90, HZXF0M or HZXC34 are required. See page 28 for details.
- Lumen outputs shown are for Tempered Glass lens, 360° optic. For additional options please see page 21.

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Ordering Information

**SafeSite® LED Area Light - 100-277 VAC,
120-250 VDC**



Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
100-277 VAC, 120-250 VDC Model								
ALD-7AC2-9NNW-NGN	8,800	66	133	CW	Tempered Glass	180°	No Option	3/4" NPT
ALD-5AC2-9NNW-NGN	8,100	66	123	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALD-7BC2-9NNW-NGN	9,000	66	136	CW	Tempered Glass	360°	No Option	3/4" NPT
ALD-5BC2-9NNW-NGN	8,300	66	126	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
ALD-7AC2-7NNW-NGN	7,100	52	137	CW	Tempered Glass	180°	No Option	3/4" NPT
ALD-5AC2-7NNW-NGN	6,600	52	127	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALD-7BC2-7NNW-NGN	7,300	52	140	CW	Tempered Glass	360°	No Option	3/4" NPT
ALD-5BC2-7NNW-NGN	6,700	52	129	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
ALD-7WC2-7NNW-NGN	7,300	64	114	CW	Tempered Glass	Wide	No Option	3/4" NPT
ALD-5WC2-7NNW-NGN	6,700	64	105	CW	Polycarbonate Diffused	Wide	No Option	3/4" NPT
ALD-7AC2-6NNW-NGN	5,500	40	138	CW	Tempered Glass	180°	No Option	3/4" NPT
ALD-5AC2-6NNW-NGN	5,100	40	128	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALD-7BC2-6NNW-NGN	5,700	40	143	CW	Tempered Glass	360°	No Option	3/4" NPT
ALD-5BC2-6NNW-NGN	5,300	40	133	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
ALD-7AC2-4NNW-NGN	4,100	30	137	CW	Tempered Glass	180°	No Option	3/4" NPT
ALD-5AC2-4NNW-NGN	3,800	30	127	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALD-7BC2-4NNW-NGN	4,200	30	140	CW	Tempered Glass	360°	No Option	3/4" NPT
ALD-5BC2-4NNW-NGN	3,900	30	130	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
ALD-7AC2-3NNW-NGN	3,000	24	125	CW	Tempered Glass	180°	No Option	3/4" NPT
ALD-5AC2-3NNW-NGN	2,800	24	117	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALD-7BC2-3NNW-NGN	3,100	24	129	CW	Tempered Glass	360°	No Option	3/4" NPT
ALD-5BC2-3NNW-NGN	2,800	24	117	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
100-277 VAC, 120-250 VDC Model with Retro-fit Adapters - Crouse Hinds								
ALD-7BC2-7NCN-NGN	7,300	52	140	CW	Tempered Glass	360°	No Option	Retro-fit: Crouse Hinds
ALD-5BC2-7NCN-NGN	6,700	52	129	CW	Polycarbonate Diffused	360°	No Option	Retro-fit: Crouse Hinds
ALD-7BC2-6NCN-NGN	5,700	40	143	CW	Tempered Glass	360°	No Option	Retro-fit: Crouse Hinds
ALD-5BC2-6NCN-NGN	5,300	40	133	CW	Polycarbonate Diffused	360°	No Option	Retro-fit: Crouse Hinds
100-277 VAC, 120-250 VDC Model with Retro-fit Adapters - GE								
ALD-7BC2-7NGN-NGN	7,300	52	140	CW	Tempered Glass	360°	No Option	Retro-fit: GE
ALD-5BC2-7NGN-NGN	6,700	52	129	CW	Polycarbonate Diffused	360°	No Option	Retro-fit: GE
ALD-7BC2-6NGN-NGN	5,700	40	143	CW	Tempered Glass	360°	No Option	Retro-fit: GE
ALD-5BC2-6NGN-NGN	5,300	40	133	CW	Polycarbonate Diffused	360°	No Option	Retro-fit: GE

See ordering chart for additional options.

For DLC-approved products that require 0-10V dimming, replace the 9th character "N" with "D". ALU-7BC2-9NNW-NGN becomes ALU-7BC2-9DNW-NGN. 0-10V dimming products are supplied with a 5 conductor cable.

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Ordering Information

SafeSite® LED Area Light - 100-277 VAC, 120-250 VDC

with Universal Mounting Adapter



Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
100-277 VAC, 120-250 VDC with Universal Mounting Adapter								
ALD-7AC2-7NUN-NGN	7,100	52	137	CW	Tempered Glass	180°	No Option	UMA Hub
ALD-5AC2-7NUN-NGN	6,600	52	127	CW	Polycarbonate Diffused	180°	No Option	UMA Hub
ALD-7BC2-7NUN-NGN	7,300	52	140	CW	Tempered Glass	360°	No Option	UMA Hub
ALD-5BC2-7NUN-NGN	6,700	52	129	CW	Polycarbonate Diffused	360°	No Option	UMA Hub
ALD-7AC2-6NUN-NGN	5,500	40	138	CW	Tempered Glass	180°	No Option	UMA Hub
ALD-5AC2-6NUN-NGN	5,100	40	128	CW	Polycarbonate Diffused	180°	No Option	UMA Hub
ALD-7BC2-6NUN-NGN	5,700	40	143	CW	Tempered Glass	360°	No Option	UMA Hub
ALD-5BC2-6NUN-NGN	5,300	40	133	CW	Polycarbonate Diffused	360°	No Option	UMA Hub
ALD-7AC2-7NSN-NGN	7,100	52	137	CW	Tempered Glass	180°	No Option	45° Stanchion
ALD-5AC2-7NSN-NGN	6,600	52	127	CW	Polycarbonate Diffused	180°	No Option	45° Stanchion
ALD-7AC2-6NSN-NGN	5,500	40	138	CW	Tempered Glass	180°	No Option	45° Stanchion
ALD-5AC2-6NSN-NGN	5,100	40	128	CW	Polycarbonate Diffused	180°	No Option	45° Stanchion
ALD-7AC2-4NSN-NGN	4,100	30	137	CW	Tempered Glass	180°	No Option	45° Stanchion
ALD-5AC2-4NSN-NGN	3,800	30	127	CW	Polycarbonate Diffused	180°	No Option	45° Stanchion
ALD-7AC2-7NWN-NGN	7,100	52	137	CW	Tempered Glass	180°	No Option	45° Wall
ALD-5AC2-7NWN-NGN	6,600	52	127	CW	Polycarbonate Diffused	180°	No Option	45° Wall
ALD-7AC2-6NWN-NGN	5,500	40	138	CW	Tempered Glass	180°	No Option	45° Wall
ALD-5AC2-6NWN-NGN	5,100	40	128	CW	Polycarbonate Diffused	180°	No Option	45° Wall
ALD-7AC2-4NWN-NGN	4,100	30	137	CW	Tempered Glass	180°	No Option	45° Wall
ALD-5AC2-4NWN-NGN	3,800	30	127	CW	Polycarbonate Diffused	180°	No Option	45° Wall
ALD-7AC2-7NVN-NGN	7,100	52	137	CW	Tempered Glass	180°	No Option	0° Wall
ALD-5AC2-7NVN-NGN	6,600	52	127	CW	Polycarbonate Diffused	180°	No Option	0° Wall
ALD-7AC2-6NVN-NGN	5,500	40	138	CW	Tempered Glass	180°	No Option	0° Wall
ALD-5AC2-6NVN-NGN	5,100	40	128	CW	Polycarbonate Diffused	180°	No Option	0° Wall
ALD-7AC2-4NVN-NGN	4,100	30	137	CW	Tempered Glass	180°	No Option	0° Wall
ALD-5AC2-4NVN-NGN	3,800	30	127	CW	Polycarbonate Diffused	180°	No Option	0° Wall
ALD-7BC2-7NFN-NGN	7,100	52	137	CW	Tempered Glass	360°	No Option	Ceiling Mount
ALD-5BC2-7NFN-NGN	6,600	52	127	CW	Polycarbonate Diffused	360°	No Option	Ceiling Mount
ALD-7BC2-6NFN-NGN	5,500	40	138	CW	Tempered Glass	360°	No Option	Ceiling Mount
ALD-5BC2-6NFN-NGN	5,100	40	128	CW	Polycarbonate Diffused	360°	No Option	Ceiling Mount
ALD-7BC2-4NFN-NGN	4,100	30	137	CW	Tempered Glass	360°	No Option	Ceiling Mount
ALD-5BC2-4NFN-NGN	3,800	30	127	CW	Polycarbonate Diffused	360°	No Option	Ceiling Mount

See ordering chart for additional options.

For DLC-approved products that require 0-10V dimming, replace the 9th character "N" with "D". ALU-7BC2-9NNW-NGN becomes ALU-7BC2-9DNW-NGN.

0-10V dimming products are supplied with a 5 conductor cable.

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

SafeSite® LED Area Light

Class I, Div. 1



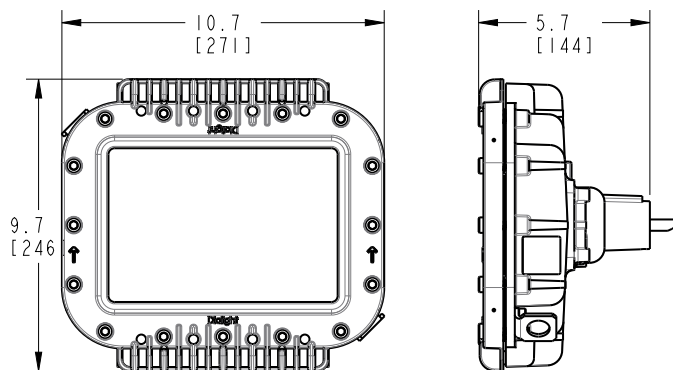
Certifications & Ratings*

- 10 year warranty
- L70 > 150,000 hours @ 65°C
- UL 844, UL 1598/A
- CSA C22.2 No. 250
- CSA C22.2 No. 137-M81
- IP66 / 67 / 69
- NEMA 4X
- Factory sealed
- Class I, Division 1, Group B-D Locations
- Class I, Zone 1, Group IIB + Hydrogen
- Class II, Division 1, Groups E-G Locations
- Zone 21, Zone 22

OR

- Class I, Division 1, Groups C-D Locations
- Class I, Zone 1, Group IIB
- Class II, Division 1, Groups E-G Locations
- Zone 21, Zone 22

*ETL listed



Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature Range T4A	Ambient Temperature Range T5
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

Mechanical Information:

Fixture weight:	15 lb (6.8 kg)
Shipping weight:	Add 2 lb (0.91 kg) to weights above
Cabling:	10' (3.5 m) 5 conductor SOOW
Impact rating:	IK07 - Tempered glass lens
Cabling:	10' ST00W 1.02mm 18 AWG

Electrical Specifications:

Operating voltage:	100-277 VAC 50/60Hz, 120-250 VDC
Total system power consumption:	See table
Operating temperature:	-40°F to +149°F (-40°C to +65°C)
EMC:	FCC Title 47, Subpart B, Section 15, Class A device CISPR-15 RF Immunity 20V/m 80MHz-1GHz.
Transient protection:	6 kV, 2 Ohm line-line and line-ground
Harmonics:	IEC 61000-3-2, Class C
THD:	< 20%
Power factor:	> 0.9

Power Supply:

ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Housing:	Copper-free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
Lens:	Tempered glass
Vibration:	Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
Shock:	50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:	80
CCT:	5000K (cool white) 4000K (neutral white)
Optics:	360° 180° forward throw for 45° mounting Wide for 0° mounting

All values typical unless otherwise stated (tolerance +/- 10%)

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SafeSite® LED Area Light

Class I, Div. 1



Project Information			Specifications		
Part Number:					
Project:					
Fixture Type:		Date:			

Ordering Information

AL	-	C	-	7	-		-		-	2	-		-		-	W	-	N	-	G	-	N		
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		HW Access.		Elect. Access.		Coatings		Battery

Product Code

AL Area Light

Certification

C Class I, Division 1, Group B-D Locations
Class I, Zone 1, Group IIB + Hydrogen
Class II, Division 1, Groups E-G Locations
Zone 21, Zone 22
OR
Class I, Division 1, Groups C-D Locations
Class I, Zone 1, Group IIB
Class II, Division 1, Groups E-G Locations
Zone 21, Zone 22

Lens Material

7 Tempered Glass - Clear

Beam Distribution

A 180°

B 360°

W Wide

CCT & CRI

C Cool White 5000K - 80 CRI

N Neutral White 4000K - 80 CRI

Operating Voltage

2 100-277 VAC, 120-250 VDC

Lumen Type

3 3,001 - 4,000 Lumens

4 4,001 - 5,000 Lumens

6 5,001 - 6,000 Lumens

7 6,001 - 7,000 Lumens

9 8,001 - 9,000 Lumens

Controls

D Dimming (0-10V)

N No Option

Mounting Options

B Swivel Bracket, Locking 0° - 90°
316 Stainless Steel

N 3/4" NPT

Hardware Accessories

W 10 ft (3 meter) Power Cable

Electrical Accessories

N No Option

Coatings

G Gray (RAL 7040)

Battery

N No Option

Notes

1) When ordering Beam Distribution **W** - Wide: Lumen Type = **7**.

2) For lumen output see page 21.

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Ordering Information

SafeSite® LED Area Light - Class I, Div. 1



Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
Class I, Div. 1 Model								
ALC-7BC2-9NNW-NGN	8,600	66	130	CW	Tempered Glass	360	No Option	3/4" NPT
ALC-7AC2-9NNW-NGN	8,400	66	127	CW	Tempered Glass	180	No Option	3/4" NPT
ALC-7BC2-7NNW-NGN	7,000	52	135	CW	Tempered Glass	360	No Option	3/4" NPT
ALC-7AC2-7NNW-NGN	6,800	52	131	CW	Tempered Glass	180	No Option	3/4" NPT
ALC-7BC2-6NNW-NGN	5,400	40	135	CW	Tempered Glass	360	No Option	3/4" NPT
ALC-7AC2-6NNW-NGN	5,300	40	133	CW	Tempered Glass	180	No Option	3/4" NPT
ALC-7BC2-4NNW-NGN	4,000	30	133	CW	Tempered Glass	360	No Option	3/4" NPT
ALC-7AC2-4NNW-NGN	3,900	30	130	CW	Tempered Glass	180	No Option	3/4" NPT
ALC-7BC2-3NNW-NGN	2,900	24	121	CW	Tempered Glass	360	No Option	3/4" NPT
ALC-7AC2-3NNW-NGN	2,900	24	121	CW	Tempered Glass	180	No Option	3/4" NPT
100-277 VAC, 120-250 VDC Model with Adjustable Bracket								
ALC-7BC2-9NBW-NGN	8,600	66	130	CW	Tempered Glass	360	No Option	Stainless Steel Adjustable Bracket
ALC-7AC2-9NBW-NGN	8,400	66	127	CW	Tempered Glass	180	No Option	Stainless Steel Adjustable Bracket
ALC-7BC2-7NBW-NGN	7,000	52	135	CW	Tempered Glass	360	No Option	Stainless Steel Adjustable Bracket
ALC-7AC2-7NBW-NGN	6,800	52	131	CW	Tempered Glass	180	No Option	Stainless Steel Adjustable Bracket
ALC-7BC2-6NBW-NGN	5,400	40	135	CW	Tempered Glass	360	No Option	Stainless Steel Adjustable Bracket
ALC-7AC2-6NBW-NGN	5,300	40	133	CW	Tempered Glass	180	No Option	Stainless Steel Adjustable Bracket
ALC-7BC2-4NBW-NGN	4,000	30	133	CW	Tempered Glass	360	No Option	Stainless Steel Adjustable Bracket
ALC-7AC2-4NBW-NGN	3,900	30	130	CW	Tempered Glass	180	No Option	Stainless Steel Adjustable Bracket
ALC-7BC2-3NBW-NGN	2,900	24	121	CW	Tempered Glass	360	No Option	Stainless Steel Adjustable Bracket
ALC-7AC2-3NBW-NGN	2,900	24	121	CW	Tempered Glass	180	No Option	Stainless Steel Adjustable Bracket

See ordering chart for additional options.

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SafeSite® LED Area Light

347/480 VAC

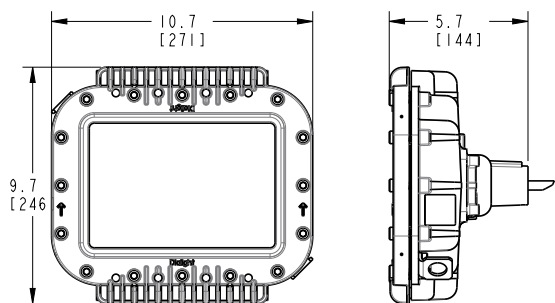


Certifications & Ratings*

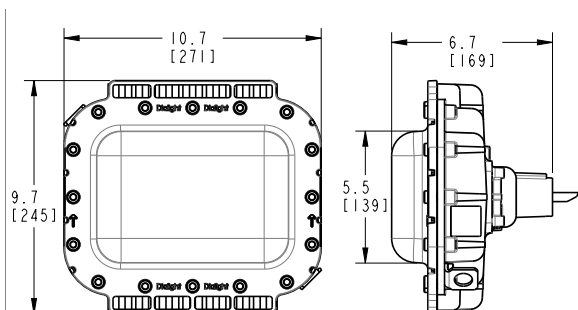
- 5 year warranty
- UL 1598/A, UL 844
- L70 > 100,000h @ 25°C
- Class I, Div. 1, Groups B, C, D
- Class I, Div. 2, Groups A, B, C, D
- Class II, Div. 1, Groups E, F, G
- Class III, Div. 1 & 2
- CSA C22.2 No. 137
- CSA C22.2 No. 250
- IP66 / 67
- NEMA 4X

*ETL listed

Tempered Glass Lens



Polycarbonate Lens



Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature Range T4A	Ambient Temperature Range T5
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

Mechanical Information:

Fixture weight:	10 lb (4.5 kg) - Polycarbonate lens 12 lb (5.5 kg) - Tempered glass lens
Wall mount models:	15 lb (6.8 kg) - Polycarbonate lens 18 lb (8.2 kg) - Tempered glass lens
45° wall mount models:	14 lb (6.4 kg) - Polycarbonate lens 17 lb (7.7 kg) - Tempered glass lens
45° stanchion mount:	15 lb (6.8 kg) - Polycarbonate lens 18 lb (8.2 kg) - Tempered glass lens
90° stanchion mount:	16 lb (7.2 kg) - Polycarbonate lens 19 lb (8.6 kg) - Tempered glass lens
Class I, Div. 1 model:	15 lb (6.8 kg)
Shipping weight:	Add 2 lb (0.91 kg) to weights above
Impact rating:	IK10 - Polycarbonate lens IK07 - Tempered glass lens
Cabling:	10' ST00W 1.02mm 18 AWG

Electrical Specifications:

Operating voltage:	347/480 VAC
Total system power consumption:	See table
Operating temperature:	-40°F to +149°F (-40°C to +65°C)
EMC:	FCC Title 47, Subpart B, Section 15, Class A device RF Immunity 20V/m 80MHz-1GHz.
Transient protection:	6 kV, 2 Ohm line-line and line-ground
Harmonics:	IEC 61000-3-2, Class C
THD:	< 20%
Power factor:	> 0.9
Power Supply:	
ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Housing:	Copper-free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
Lens:	Tempered glass
Vibration:	Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
Shock:	50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:	75
CCT:	5000K (cool white)
Optics:	360° 180° forward throw for 45° mounting

All values typical unless otherwise stated (tolerance +/- 10%)

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SafeSite® LED Area Light

347/480 VAC



Project Information		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications

Ordering Information

AL	-		-		-		-	B	-	5	-		-	N	-		-		-	N	-	G	-	N
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		HW Access.		Elect. Access.		Coatings		Battery

Product Code

AL Area Light

Certification

- C** Class I Div. 1 Groups C, D
Class II Div. 1 Groups E, F, G
CSA 22.2 No. 137
- D** UL 844 Class I Div. 2
CSA 22.2 No. 137 - M81
- F** UL 844 Class II Div. 1, 2
Class I Div. 2
CSA 22.2 No. 137 - M81
- P** Class I Div. 1 Groups B, C, D
Class II Div. 1 Groups E, F, G
CSA 22.2 No. 137

Lens Material

- 5** Polycarbonate - Diffused
- 7** Tempered Glass - Clear

Beam Distribution

- A** 180°
- B** 360°

CCT & CRI

- B** Cool White 5000K - 70 CRI

Operating Voltage

- 5** 347/480 VAC

Lumen Type

- 2** 2,200 Lumens
- 4** 4,000 Lumens
- 5** 5,000 Lumens
- 6** 6,000 Lumens
- 7** 7,200 Lumens

*For lumen output see page 22

Controls

- N** No Options

Mounting Options

- Retro-fit Adapter**
- Universal Mounting Adapter (UMA)**
- B** Swivel Bracket, Locking 0°- 90°
316 Stainless Steel
- N** 3/4" NPT Pendant
- A** Appleton Mercmaster III
- C** Crouse-Hinds - Champ
- E** GE Mini-Gard
- G** GE Filtr-Gard
- H** Thomas & Betts Hazlux
- K** Killark Certilite & Certilite V
- M** Appleton Mercmaster II
- P** Holophane Petrolux II and III
- F** Ceiling Mount
- S** 45° Stanchion Mount
- T** 90° Stanchion Mount (NPT)
- U** UMA - Mounting Hub
- V** 0° Wall Mount
- W** 45° Wall Mount
- Y** 34mm Conveyor Mount

Hardware Accessories

- N** For Mounting Options -
A, C, F, G, H, K, M, S, U, V, W, Y
(individual wire leads are terminated
in adapter housing)
- W** 10 ft (3 meter) Power Cable
Mounting Options - B, N

Electrical Accessories

- N** No Option

Coatings

- G** Gray (RAL 7040)

Battery

- N** No Option

Notes

- When using "UMA" or "Retro-fit" mounting options, Hardware Accessories = N.
- GE Mini-Gard retrofit adapter models are not Class II, Div. 1 certified
- When ordering Certification option C or P:
 - Lens Material = 7 - Glass - Clear
 - Mounting Option = N - 3/4" NPT or B - Swivel Bracket, Locking 0°- 90° 316 Stainless Steel
 - Hardware Accessories = W 10 ft (3 meter) Power Cable for Mounting Options - B, N
- Lumen outputs shown are for Tempered Glass lens, 360° optic. For additional options please see page 22.

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Ordering Information

SafeSite® LED Area Light - 347/480 VAC



Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
347/480 VAC Model								
ALD-7BB5-7NNW-NGN	7,200	68	106	CW	Tempered Glass	360°	No Option	3/4" NPT
ALD-5BB5-7NNW-NGN	7,000	68	103	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
ALD-7AB5-7NNW-NGN	7,200	68	106	CW	Tempered Glass	180°	No Option	3/4" NPT
ALD-5AB5-7NNW-NGN	7,000	68	103	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALD-7BB5-6NNW-NGN	6,000	58	103	CW	Tempered Glass	360°	No Option	3/4" NPT
ALD-5BB5-6NNW-NGN	5,700	58	98	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
ALD-7AB5-6NNW-NGN	6,000	58	103	CW	Tempered Glass	180°	No Option	3/4" NPT
ALD-5AB5-6NNW-NGN	6,000	58	103	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
ALD-7BB5-4NNW-NGN	4,000	38	105	CW	Tempered Glass	360°	No Option	3/4" NPT
ALD-5BB5-4NNW-NGN	3,800	38	100	CW	Polycarbonate Diffused	360°	No Option	3/4" NPT
ALD-7AB5-4NNW-NGN	4,000	38	105	CW	Tempered Glass	180°	No Option	3/4" NPT
ALD-5AB5-4NNW-NGN	3,800	38	100	CW	Polycarbonate Diffused	180°	No Option	3/4" NPT
100-277 VAC, 120-250 VDC Model with Retro-fit Adapters - Crouse Hinds								
ALD-7BB5-6NCN-NGN	6,000	58	103	CW	Tempered Glass	360°	No Option	Retro-fit: Crouse Hinds
ALD-5BB5-6NCN-NGN	6,000	58	103	CW	Polycarbonate Diffused	360°	No Option	Retro-fit: Crouse Hinds
ALD-7AB5-6NCN-NGN	6,000	58	103	CW	Tempered Glass	180°	No Option	Retro-fit: Crouse Hinds
ALD-5AB5-6NCN-NGN	6,000	58	103	CW	Polycarbonate Diffused	180°	No Option	Retro-fit: Crouse Hinds

See ordering chart for additional options.

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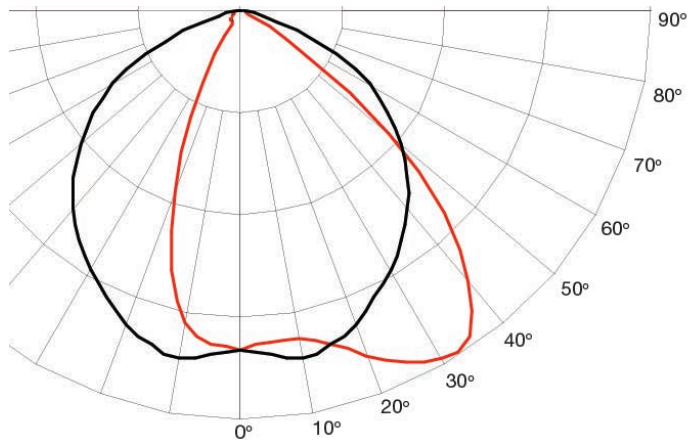
SafeSite® LED Area Light

Beam Distributions

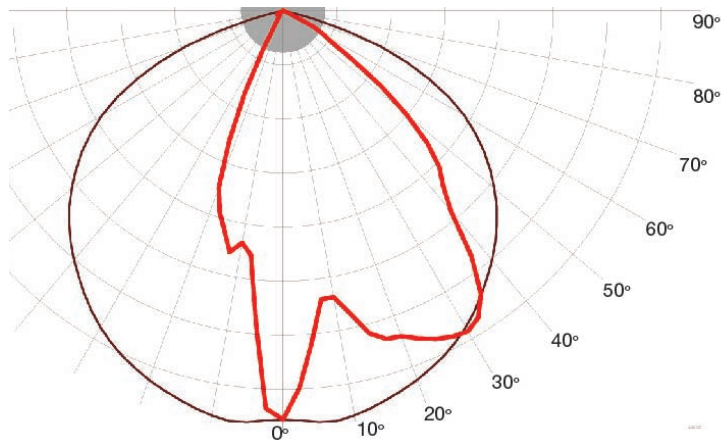
 = 0°
 = 90°

180° Beam Angle

100-277 VAC, 120-250 VDC

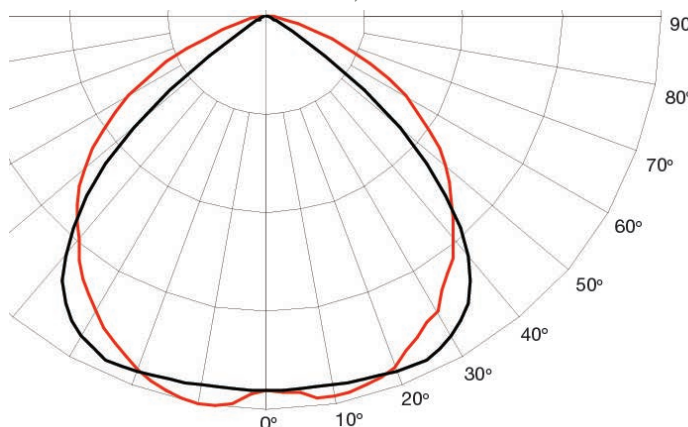


347/480 VAC, 24-48 VDC

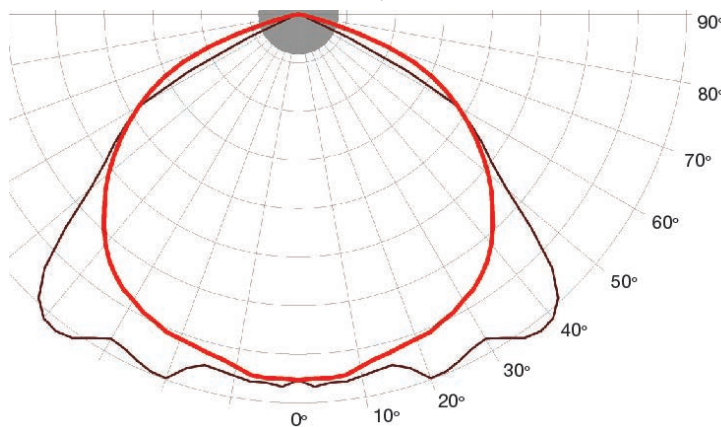


360° Beam Angle

100-277 VAC, 120-250 VDC

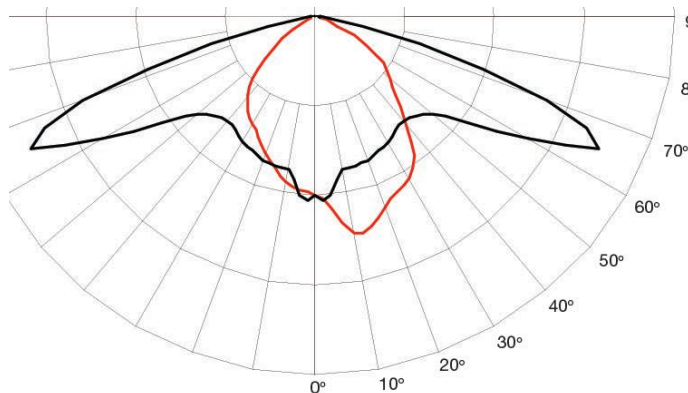


347/480 VAC, 24-48 VDC

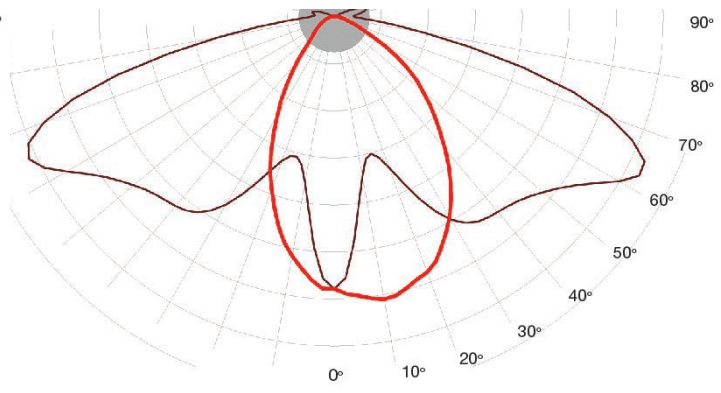


Wide Beam Angle

100-277 VAC, 120-250 VDC



347/480 VAC, 24-48 VDC



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SafeSite® LED Area Light

Lumen Tables

100-277 VAC, 120-250 VDC									
Output Family	Beam Distribution	Lens	Wattage	Lumens 5000 CCT	5000 CCT lm/W	Lumens 4000 CCT	4000 CCT lm/W	Lumens 2700 CCT	2700 CCT lm/W
9,000	360°	Tempered Glass	66	9000	136	8800	134	8200	124
		Class I, Div 1 Glass		8600	131	8400	128	7900	120
		Polycarbonate		8300	127	8100	123	7600	115
	180°	Tempered Glass		8800	134	8600	131	8000	121
		Class I, Div 1 Glass		8400	128	8200	125	7700	117
		Polycarbonate		8100	124	7900	120	7400	112
7,300	360°	Tempered Glass	52	7300	140	7100	138	6700	129
		Class I, Div 1 Glass		7000	135	6800	132	6400	123
		Polycarbonate		6700	131	6500	126	6100	117
	180°	Tempered Glass		7100	138	6900	134	6500	125
		Class I, Div 1 Glass		6800	132	6600	128	6200	119
		Polycarbonate		6600	128	6400	124	6000	115
	Wide	Tempered Glass	64	7300	114	7100	112	6700	105
		Class I, Div 1 Glass		7000	110	6800	107	6400	100
		Polycarbonate		6700	106	6500	103	6100	95
5,700	360°	Tempered Glass	40	5700	143	5500	140	5200	130
		Class I, Div 1 Glass		5400	137	5200	132	4900	123
		Polycarbonate		5300	133	5100	130	4800	120
	180°	Tempered Glass		5500	140	5300	135	5000	125
		Class I, Div 1 Glass		5300	134	5100	130	4800	120
		Polycarbonate		5100	130	4900	125	4600	115
4,200	360°	Tempered Glass	30	4200	140	4100	137	3800	127
		Class I, Div 1 Glass		4000	134	3900	131	3600	120
		Polycarbonate		3900	130	3800	127	3900	130
	180°	Tempered Glass		4100	137	4000	134	4100	137
		Class I, Div 1 Glass		3900	132	3800	127	3900	130
		Polycarbonate		3800	127	3700	124	3400	113
3,100	360°	Tempered Glass	24	3100	129	3000	127	2800	117
		Class I, Div 1 Glass		2900	124	2900	121	2600	108
		Polycarbonate		2800	120	2700	114	2500	104
	180°	Tempered Glass		3000	127	2900	123	2700	113
		Class I, Div 1 Glass		2900	121	2800	118	2600	108
		Polycarbonate		2800	118	2700	114	2500	104

All values typical unless otherwise stated (tolerance +/- 10%)
For lighting layouts, please find IES files at www.dialight.com

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SafeSite® LED Area Light

Lumen Tables

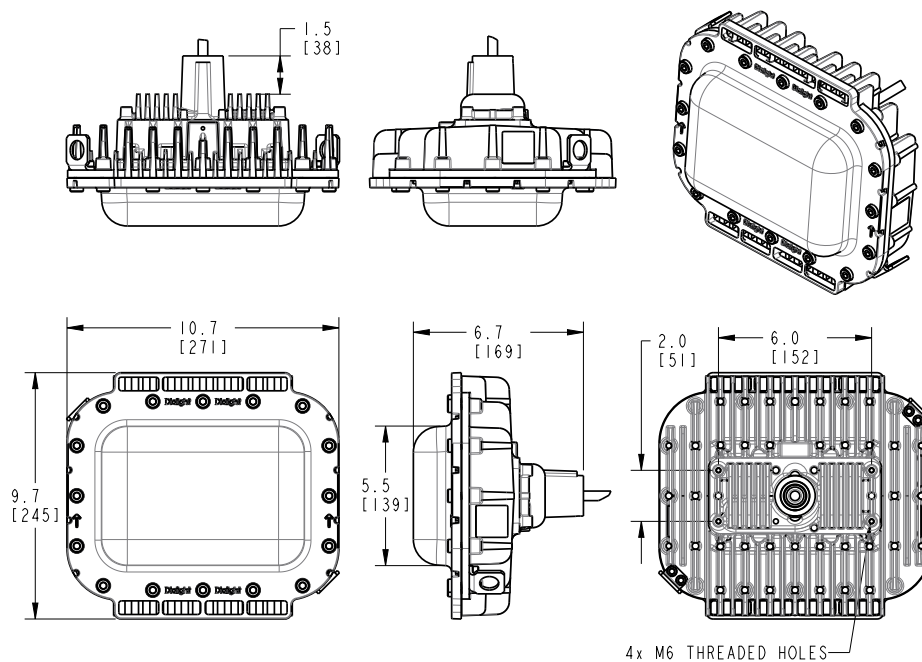
347/480 VAC							
Output Family	Beam Distribution	Lens	Wattage	Lumens 5000 CCT	5000 CCT lm/W	Lumens 4000 CCT	4000 CCT lm/W
7,250	360°	Tempered Glass	68	7200	107	7100	104
		Class I, Div 1 Glass		6900	102	6800	100
		Polycarbonate		6900	102	6800	100
	180°	Tempered Glass		7200	107	7100	104
		Class I, Div 1 Glass		6900	102	6800	100
		Polycarbonate		6900	102	6800	100
6,000	360°	Tempered Glass	58	6000	103	5800	101
		Class I, Div 1 Glass		5700	99	5600	97
		Polycarbonate		5700	99	5600	97
	180°	Tempered Glass		6000	103	5800	101
		Class I, Div 1 Glass		5700	99	5600	97
		Polycarbonate		5700	99	5600	97
5,000	360°	Tempered Glass	47	5000	106	4900	104
		Class I, Div 1 Glass		4800	102	4700	100
		Polycarbonate		4800	102	4700	100
	180°	Tempered Glass		5000	106	4900	104
		Class I, Div 1 Glass		4800	106	4700	100
		Polycarbonate		4800	102	4700	100
4,100	Wide	Polycarbonate	55	4100	75	4000	73
4,000	360°	Tempered Glass	38	4000	105	3900	103
		Class I, Div 1 Glass		3800	101	3700	99
		Polycarbonate		3800	101	3700	99
	180°	Tempered Glass		4000	105	3900	103
		Class I, Div 1 Glass		3800	101	3700	99
		Polycarbonate		3800	101	3700	99
2,200	360°	Tempered Glass	21	2200	105	2200	105
		Class I, Div 1 Glass		2200	105	2200	105
		Polycarbonate		2200	105	2200	105
	180°	Tempered Glass		2200	105	2200	105
		Class I, Div 1 Glass		2200	105	2200	105
		Polycarbonate		2200	105	2200	105

All values typical unless otherwise stated (tolerance +/- 10%)
For lighting layouts, please find IES files at www.dialight.com

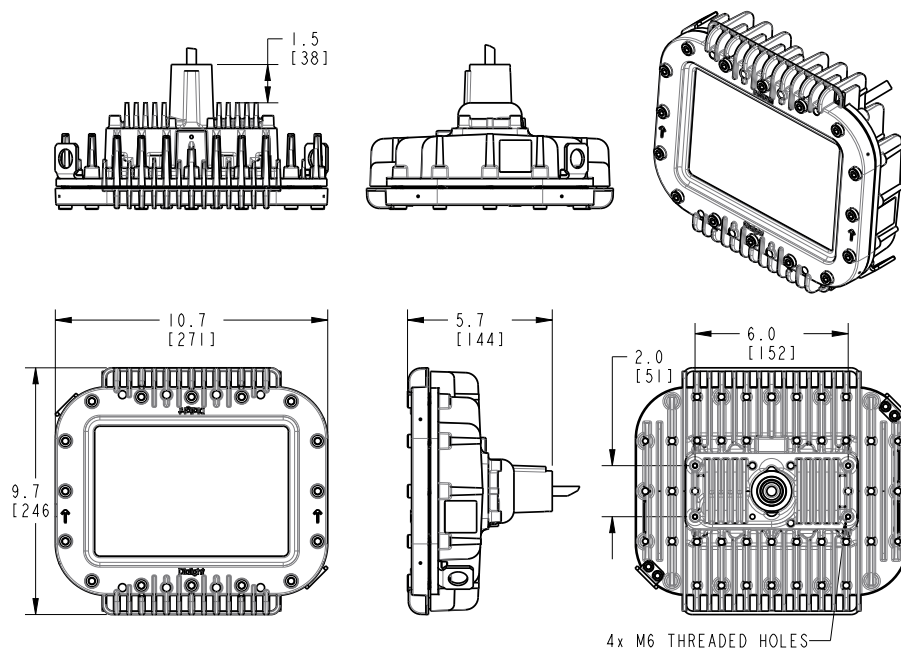
SafeSite® LED Area Light

Dimensional Drawings

Polycarbonate Lens - Option 5



Tempered Glass Lens - Option 7



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SafeSite® LED Area Light

Accessories

Area Lights with Universal Mounting Adapter & Brackets Sold Separately



+



UMA Area Light
ALx-xxxx-xxUx-xxN

Stanchion 45°
HZXS45

Wall 45°
HZXW45

Wall 0°
HZXW01

Conveyor
HZXCVC34

Ceiling
HZXFM

Stanchion 90°
HZXS90 / HZXT90



Certified to: UL 50E • CSA C22.2 No. 94.2-07

HZXSTAN100S

- 1.00" (1.315" Pole OD) Slip-fit stanchion mount

HZXSTAN125S

- 1.25" (1.660" Pole OD) Slip-fit stanchion mount

HZXSTAN150S

- 1.50" (1.900" Pole OD) Slip-fit stanchion mount

HZXSTAN200S

- 2.00" (2.375" Pole OD) Slip-fit stanchion mount

HZXSTAN100T

- 1.00" (1.315" Pole OD) NPT threaded stanchion mount

HZXSTAN125T

- 1.25" (1.660" Pole OD) NPT threaded stanchion mount

HZXSTAN150T

- 1.50" (1.900" Pole OD) NPT threaded stanchion mount

HZXSTAN200T

- 2.00" (2.375" Pole OD) NPT threaded stanchion mount



HZXW3

- 316 stainless steel bracket

HZXW7

- Aluminum bracket

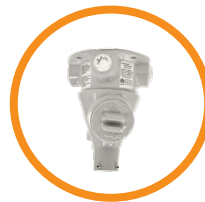


HZXW4

- 316 stainless steel bracket with pipe clamp

HZXW8

- Aluminum bracket with pipe clamp



Certified to: UL 50E • UL 1203

ISA 12.12.01 • CSA C22.2 No. 94.2-07

HBXC1

- 0.75" NPT Ceiling mount



Certified to: UL 50E • CSA C22.2 No. 94.2-07

HZXJB075

- 0.75" Ceiling / Wall / Pole mount junction box

HZXJB100

- 1.00" Ceiling / Wall / Pole mount junction box

HZXJB125

- 1.25" Ceiling / Wall / Pole mount junction box

HZXJB150

- 1.50" Ceiling / Wall / Pole mount junction box



HZXSAFECBLS

- Safety cable kit

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SafeSite® LED Area Light

Retro-fit Options

Retro-fit adapters can be factory installed. See product ordering information for details.

Eaton's Crouse-Hinds – Champ®
 GE Lighting Solutions – Filtr-Gard™
 GE Lighting Solutions – Mini-Gard™
 Holophane Petrolux® II, III
 Thomas & Betts Hazlux®
 Appleton® Mercmaster III
 Appleton® Mercmaster II
 Killark® Certilite® & Certilite® V

*Petrolux adapter available as a standalone accessory only



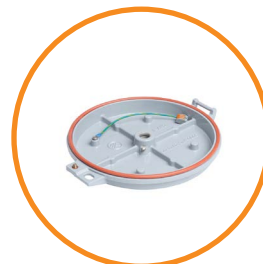
Eaton's Crouse-Hinds – Champ® - HZXTHCH				
Pendant	Ceiling	Wall	Stanchion	Quad Mount
APM2	CM2	TWM2	JM5	QM25
APM3	CM3	TWM3	PM5	
HPM2				



GE Lighting Solutions – Filtr-Gard™ - HZXTHGE				
Pendant	Ceiling	Wall	Stanchion	Quad Mount
3P	3F	3C	3W	5S
4P	4F		4W	6S
				5J, 6J



Holophane® Petrolux II, III - HZXTHP3				
Pendant	Universal	Stanchion	Ceiling	Wall
PD	UN	SA	CD	WL
GH		ST	CE	W
P		A	B, C, D	



GE Lighting Solutions – Mini-Gard™ - HZXTHMG			
Pendant	Ceiling	Stanchion	Wall
3P	3C	5S	3W
4P	4C	5J	4W
		6S	
		6J	

Please reference spec sheet at www.dialight.com for all dimensional drawings of retro-fit options.

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SafeSite® LED Area Light

Retro-fit Options



Thomas & Betts Hazlux® - HZXTHTB				
Pendant	Pendant Cone	Flexible Pendant	Ceiling	Wall
VP2	VA2	VF2	VC2	VB2
VP3	VA3	VF3	VC3	VB3
Wall	25° Angle Stanchion	25° Angle Stanchion	Straight Stanchion	Straight Stanchion
VB2-VIB	VS4	VS4-VIB	VL4	VL4-VIB
VB3-VIB	VS5	VS5-VIB	VL5	VL5-VIB



Appleton® Mercmaster III - HZXTHAP			
Pendant	Ceiling	Wall	Stanchion
KPA- 75, 100	KPC-75	KPWB-75	KPS-125
KPAF-75, 100	KPC-100	KPWB-100	KPS-150
KPCH-75, 100			KPST-125
			KPST-150



Appleton® Mercmaster II - HZXTHM2			
Pendant	Ceiling	Wall	Stanchion
LPA-75	LPC-75	LPWB-75	LPS-125
LPA-100	LPC-100	LPWB-100	LPS-150



Killark® Certilite® & Certilite® V - HZXTHKL			
Pendant	Ceiling	Wall	Stanchion
VMA2B & VMA-2	VMX2B & VMX-2	VMB2B & VMB-2	VMD4B
VMA3B & VMA-3	VMX3B & VMX-3	VMB3B & VMB-3	VMD5B
VMC2B & VMC-2	VMX6B, 7B, 8B, 9B		VMS5B
VMC3B & VMC-3			
VMF2B, 3B			

Please reference spec sheet at www.dialight.com for all dimensional drawings of retro-fit options.

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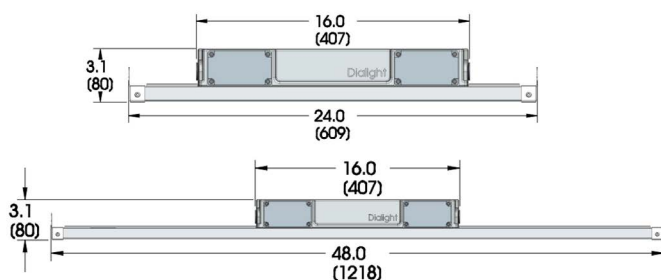
SafeSite® LED Linear - UL 844

Low Profile - Class I, Div. 2 / Class II - 10 year warranty



Certifications & Ratings

- UL 1598/A¹
- UL 844¹
- CSA C22.2 No. 137¹
- CSA C22.2 No. 250¹
- IP66 / 67
- Class I, Div. 2 Groups A, B, C & D
- Class I, Zone 2 Group IIC
- Class II, Div. 1 Groups E, F & G
- Class II, Div. 2 Groups F & G
- Class III
- NEMA 4X
- 2000 PSI hose-down rating²
- DLC Premium & Standard

¹ETL listed²Internally tested

Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

Mechanical Information:

- Fixture weight:** 4' - 11 lb (5.0 kg)
2' - 8 lb (3.6 kg)
- Shipping weight:** 4' - 12 lb (5.4 kg)
2' - 9 lb (4.1 kg)
- Mounting:** (4) 3/4" NPT openings
Optional swivel bracket - LPXW4
Optional low profile bracket - LPXW4LP

Variable Dimming:

- Variable dimming control:** 0-10 VDC
- Dimming range:** 10 VDC = 100% light output
0 VDC = 5% light output

Electrical Specifications:

- Operating voltage:** 100-277 VAC, 50/60Hz
120-250 VDC
- Power consumption:** See ordering information
- Operating temp:** -40°F to +149°F (-40°C to +65°C)
- EMC:** FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
- Surge protection:** EN 61000-4-5
6 kV line-to-line
6 kV line-to-ground
- Harmonics:** IEC 61000-3-2 Class C
ATHD<20%
- Power factor:** > 0.9

Power Supply:

- ALT:** (accelerated life testing) Over 15 yr equivalent at 24/7 service
- MTBF:** (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected
- Driver:** Fully potted and sealed for superior protection

Construction:

- Finish:** Superior dual coat finish
- Sealed polyester topcoat
- Chemical resistant epoxy primer
- Lens:** Polycarbonate
- Vibration:** Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
- Shock:** 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

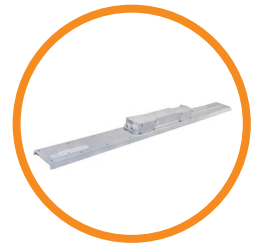
Photometric Information:

- CRI:** 80
- CCT:** 5000K (cool white)
4000K (neutral white)
- IES files:** Available at www.dialight.com
- All values typical unless otherwise stated (tolerance +/- 10%)

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Ordering Information

SafeSite® LED Linear - Low Profile - UL 844 - 10 year warranty



Classifications: CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

Part Number (x = CCT placeholder)	Length	CRI	Wattage	Fixture Lumens		lm/W		Voltage	Lens	Beam Distribution
				5000K	4000K	5000K	4000K			
Class I, Div. 2 Models										
LKD-4M(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LKD-5M(x)2-9DNN-NGN	4'	80	70	8,800	8,500	125	121	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LKD-4W(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LKD-4M(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LKD-5M(x)2-7DNN-NGN	4'	80	52	6,550	6,250	126	120	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LKD-4W(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LJD-4M(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LJD-5M(x)2-5DNN-NGN	2'	80	37	4,450	4,200	120	114	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LJD-4W(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
Class II, Div. 1 Models										
LKF-4M(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LKF-5M(x)2-9DNN-NGN	4'	80	70	8,800	8,500	125	121	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LKF-4W(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LKF-4M(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LKF-5M(x)2-7DNN-NGN	4'	80	52	6,550	6,250	126	120	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LKF-4W(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LJF-4M(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LJF-5M(x)2-5DNN-NGN	2'	80	37	4,450	4,200	120	114	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LJF-4W(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide

All values typical unless otherwise stated (tolerance +/- 10%)
CCT placeholders - C=5000K (cool white), N= 4000K (neutral white)
For additional ordering options, please consult factory.

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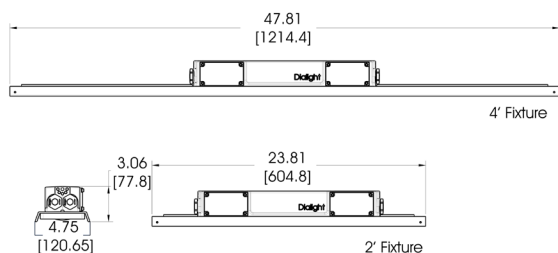
SafeSite® LED Linear - Low Profile

Technical Specifications - 5 year warranty



Certifications & Ratings

- UL 1598/A
- UL 844
- CSA C22.2 No. 137
- CSA C22.2 No. 250
- IP66 / 67
- Class I, Div. 2 Groups A, B, C & D
- Class II, Div. 1 Groups E, F & G
- Class II, Div. 2 Groups F & G
- Class III
- NEMA 4X



Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

Mechanical Information:

Fixture weight:	4' - 10 lb (4.5 kg) 2' - 7 lb (3.2 kg)
Shipping weight:	4' - 11 lb (5.0 kg) 2' - 8 lb (3.6 kg)
Mounting:	(4) 3/4" NPT openings Optional swivel bracket - LPXW4 Optional low profile bracket - LPXW4LP

Electrical Specifications:

Operating voltage:	100-277 VAC, 50/60Hz
Power consumption:	See ordering information
Operating temp:	-40°F to +149°F (-40°C to +65°C)
Noise Requirements/EMC:	FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
Surge protection:	EN 61000-4-5 4 kV line-to-line 4 kV line-to-ground
Harmonics:	IEC 61000-3-2
THD:	< 20%
Power factor:	> 0.9

Power Supply:

ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
Lens:	Polycarbonate
Vibration:	Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
Shock:	50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

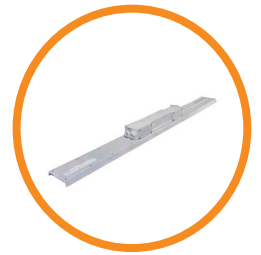
Photometric Information:

CRI:	80
CCT:	5000K (cool white) 4000K (neutral white)
IES files:	Available at www.dialight.com
All values typical unless otherwise stated (tolerance +/- 10%)	

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SafeSite® LED Linear - Low Profile

Ordering Information & Accessories - 5 year warranty



Classifications: CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Fixture Lumens	Watt	lm/W	Voltage	CCT	Lens	Beam Distribution
Class I, Div. 2 Models														
LPD3C4M2P	4'	80		•		•	•	7,900	60	132	100-277 VAC	5000K (cool white)	Clear	Medium
LPD3C4H2W	4'	80		•		•	•	7,100	60	118	100-277 VAC	5000K (cool white)	Diffused	Medium
LPD3N4M2P	4'	80		•		•	•	7,300	60	122	100-277 VAC	4000K (neutral white)	Clear	Medium
LPD3N4H2W	4'	80		•		•	•	6,700	60	112	100-277 VAC	4000K (neutral white)	Diffused	Medium
LPD3C4D2P	2'	80		•		•	•	3,850	29	133	100-277 VAC	5000K (cool white)	Clear	Medium
LPD3C4B2W	2'	80		•		•	•	3,500	29	121	100-277 VAC	5000K (cool white)	Diffused	Medium
LPD3N4D2P	2'	80		•		•	•	3,600	29	124	100-277 VAC	4000K (neutral white)	Clear	Medium
LPD3N4B2W	2'	80		•		•	•	3,300	29	114	100-277 VAC	4000K (neutral white)	Diffused	Medium
Class II, Div. I Models														
LPF3C4M2P	4'	80			•	•	•	7,900	60	132	100-277 VAC	5000K (cool white)	Clear	Medium
LPF3C4H2W	4'	80			•	•	•	7,100	60	118	100-277 VAC	5000K (cool white)	Diffused	Medium
LPF3N4M2P	4'	80			•	•	•	7,300	60	122	100-277 VAC	4000K (neutral white)	Clear	Medium
LPF3N4H2W	4'	80			•	•	•	6,700	60	112	100-277 VAC	4000K (neutral white)	Diffused	Medium
LPF3C4D2P	2'	80			•	•	•	3,850	29	133	100-277 VAC	5000K (cool white)	Clear	Medium
LPF3C4B2W	2'	80			•	•	•	3,500	29	121	100-277 VAC	5000K (cool white)	Diffused	Medium
LPF3N4D2P	2'	80			•	•	•	3,600	29	124	100-277 VAC	4000K (neutral white)	Clear	Medium
LPF3N4B2W	2'	80			•	•	•	3,300	29	114	100-277 VAC	4000K (neutral white)	Diffused	Medium

All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%).

Part numbers listed in the table above are cool white. For neutral white model, replace the 5th character with N. Ex. LPD3C4M2P becomes LPD3N4M2P



LPXW4

- 316 Stainless steel mounting bracket
- Can be angled at 0°, 30°, 45°, 60° & 90°



LPXW4LP

- 316 Stainless steel low profile mounting bracket
- Can be angled at 0° and 15°



LTXSAFEKIT

- Stainless steel safety cable kit for secondary retention



LTXENDCAPKIT

- 304 Stainless steel chain mount and secondary retention bracket

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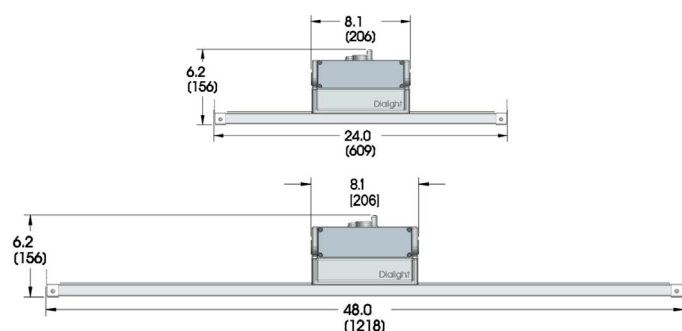
SafeSite® LED Linear - UL 844

Top Conduit - Class I, Div. 2 / Class II - 10 year warranty



Certifications & Ratings

- UL 1598/A¹
- UL 844¹
- CSA C22.2 No. 137¹
- CSA C22.2 No. 250¹
- IP66
- Class I, Div. 2 Groups A, B, C & D
- Class I, Zone 2 Group IIC
- Class II, Div. 1 Groups E, F & G
- Class II, Div. 2 Groups F & G
- Class III
- NEMA 4X
- 2000 PSI hose-down rating²
- DLC Premium & Standard

¹ETL listed²Internally tested

Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

Mechanical Information:

Fixture weight:	4' - 11 lb (5.0 kg) 2' - 8 lb (3.6 kg)
Shipping weight:	4' - 12 lb (5.4 kg) 2' - 9 lb (4.1 kg)
Mounting:	(3) 3/4" NPT openings Optional swivel bracket - LTXW4 Optional low profile bracket - LTXW4LP

Variable Dimming:

Variable dimming control:	0-10 VDC
Dimming range:	10 VDC = 100% light output 0 VDC = 5% light output

Electrical Specifications:

Operating voltage:	100-277 VAC, 50/60Hz 120-250 VDC
Power consumption:	See ordering information
Operating temp:	-40°F to +149°F (-40°C to +65°C)
EMC:	FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
Surge protection:	EN 61000-4-5 6 kV line-to-line 6 kV line-to-ground
Harmonics:	IEC 61000-3-2 Class C ATHD<20%
Power factor:	> 0.9

Power Supply:

ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
Lens:	Polycarbonate
Vibration:	Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
Shock:	50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

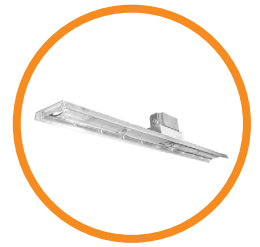
CRI:	80
CCT:	5000K (cool white) 4000K (neutral white)
IES files:	Available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)

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Ordering Information

SafeSite® LED Linear - Top Conduit - UL 844 - 10 year warranty



Classifications: CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

Part Number (x = CCT placeholder)	Length	CRI	Wattage	Fixture Lumens		lm/W		Voltage	Lens	Beam Distribution
				5000K	4000K	5000K	4000K			
Class I, Div. 2 Models										
LHD-4M(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LHD-5M(x)2-9DNN-NGN	4'	80	70	8,800	8,500	125	121	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LHD-4W(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LHD-4M(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LHD-5M(x)2-7DNN-NGN	4'	80	52	6,550	6,250	126	120	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LHD-4W(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LGD-4M(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LGD-5M(x)2-5DNN-NGN	2'	80	37	4,450	4,200	120	114	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LGD-4W(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
Class II, Div. 1 Models										
LHF-4M(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LHF-5M(x)2-9DNN-NGN	4'	80	70	8,800	8,500	125	121	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LHF-4W(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LHF-4M(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LHF-5M(x)2-7DNN-NGN	4'	80	52	6,550	6,250	126	120	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LHF-4W(x)2-7DNN-NGN	4'	80	52	7,250	6,950	139	134	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide
LGF-4M(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LGF-5M(x)2-5DNN-NGN	2'	80	37	4,450	4,200	120	114	100-277 VAC / 120-250 VDC	Diffused Polycarbonate	Medium
LGF-4W(x)2-5DNN-NGN	2'	80	37	4,750	4,500	128	122	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Wide

All values typical unless otherwise stated (tolerance +/- 10%)

CCT placeholders - C=5000K (cool white), N= 4000K (neutral white)

For additional ordering options, please consult factory.

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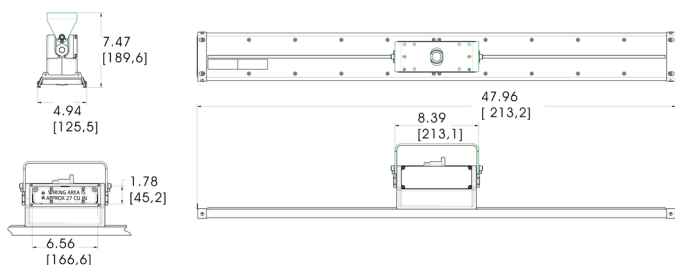
SafeSite® LED Linear - Top Conduit

Technical Specifications - 5 year warranty



Certifications & Ratings

- UL 1598/A
- UL 844
- CSA C22.2 No. 137
- CSA C22.2 No. 250
- IP66
- Class I, Div. 2 Groups A, B, C & D
- Class II, Div. 1 Groups E, F & G
- Class II, Div. 2 Groups F & G
- Class III
- NEMA 4X



Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

Mechanical Information:

Fixture weight:	4' - 10 lb (4.5 kg) 2' - 7 lb (3.2 kg)
Shipping weight:	4' - 11 lb (5.0 kg) 2' - 8 lb (3.6 kg)
Mounting:	(3) 3/4" NPT openings Optional swivel bracket - LTXW4 Optional low profile bracket - LTXW4LP

Electrical Specifications:

Operating voltage:	100-277 VAC, 50/60Hz
Power consumption:	See ordering information
Operating temp:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	IEC 61000-3-2
Noise Requirements/EMC:	FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
Surge protection:	EN 61000-4-5 4 kV line-to-line 4 kV line-to-ground

THD:	< 20%
Power factor:	> 0.9

Power Supply:

ALT: (accelerated life testing)	Over 15 yr equivalent at 24/7 service
MTBF: (mean time between failures)	Over 300 years with annual failure rate less than 0.3% expected
Driver:	Fully potted and sealed for superior protection

Construction:

Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
Lens:	Polycarbonate
Vibration:	Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only
Shock:	50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:	80
CCT:	5000K (cool white) 4000K (neutral white)
IES files:	Available at www.dialight.com
All values typical unless otherwise stated (tolerance +/- 10%)	

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SafeSite® LED Linear - Top Conduit

Ordering Information & Accessories - 5 year warranty



Classifications: CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Fixture Lumens	Watt	lm/W	Voltage	CCT	Lens	Beam Distribution
Class I, Div. 2 Models														
LTD3C4M2P	4'	80		•		•	•	7,900	60	132	100-277 VAC	5000K (cool white)	Clear	Medium
LTD3C4H2W	4'	80		•		•	•	7,100	60	118	100-277 VAC	5000K (cool white)	Diffused	Medium
LTD3N4M2P	4'	80		•		•	•	7,300	60	122	100-277 VAC	4000K (neutral white)	Clear	Medium
LTD3N4H2W	4'	80		•		•	•	6,700	60	112	100-277 VAC	4000K (neutral white)	Diffused	Medium
LTD3C4D2P	2'	80		•		•	•	3,850	29	133	100-277 VAC	5000K (cool white)	Clear	Medium
LTD3C4B2W	2'	80		•		•	•	3,500	29	121	100-277 VAC	5000K (cool white)	Diffused	Medium
LTD3N4D2P	2'	80		•		•	•	3,600	29	124	100-277 VAC	4000K (neutral white)	Clear	Medium
LTD3N4B2W	2'	80		•		•	•	3,300	29	114	100-277 VAC	4000K (neutral white)	Diffused	Medium
Class II, Div. I Models														
LTF3C4M2P	4'	80			•	•	•	7,900	60	132	100-277 VAC	5000K (cool white)	Clear	Medium
LTF3C4H2W	4'	80			•	•	•	7,100	60	118	100-277 VAC	5000K (cool white)	Diffused	Medium
LTF3N4M2P	4'	80			•	•	•	7,300	60	122	100-277 VAC	4000K (neutral white)	Clear	Medium
LTF3N4H2W	4'	80			•	•	•	6,700	60	112	100-277 VAC	4000K (neutral white)	Diffused	Medium
LTF3C4D2P	2'	80			•	•	•	3,850	29	133	100-277 VAC	5000K (cool white)	Clear	Medium
LTF3C4B2W	2'	80			•	•	•	3,500	29	121	100-277 VAC	5000K (cool white)	Diffused	Medium
LTF3N4D2P	2'	80			•	•	•	3,600	29	124	100-277 VAC	4000K (neutral white)	Clear	Medium
LTF3N4B2W	2'	80			•	•	•	3,300	29	114	100-277 VAC	4000K (neutral white)	Diffused	Medium

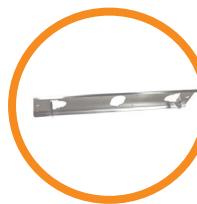
All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%).

Part numbers listed in the table above are cool white. For neutral white model, replace the 5th character with N. Ex. LTD3C4D2P becomes LTD3N4D2P



LTXW4

- Mounting bracket
- Can be angled at 0°, 30°, 45°, 60° & 90°



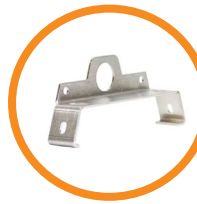
LTXW4LP

- Mounting bracket
- Can be angled at 0° and 15°



LTXSAFEKIT

- Stainless steel safety cable kit for secondary retention



LTXENDCAPKIT

- 304 Stainless steel chain mount and secondary retention bracket



LTXLSXW4

- Retrofit bracket adapter used to connect LTM model fixtures to an existing LSXW4 bracket

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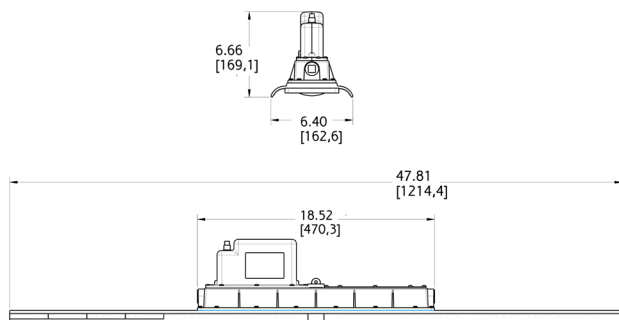
SafeSite® LED Linear - Battery Backup

Technical Specifications - 5 year warranty



Certifications & Ratings

- UL 1598/A
- UL 844
- UL 924
- CSA C22.2 No. 137
- CSA C22.2 No. 250
- IP66
- Class I, Div. 2 Groups A, B, C & D
- Class II, Div. 1 Groups E, F & G
- Class II, Div. 2 Groups F & G
- Class III
- NEMA 4X



Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code
-4°F to +149°F (-20°C to +65°C)	-4°F to +113°F (-20°C to +45°C)

Mechanical Information:

Fixture weight:	18 lb (8.2 kg)
Shipping weight:	21 lb (9.5 kg)
Mounting:	(1) Threaded 3/4" NPT side (2) Threaded 3/4" NPT ends

Electrical Specifications:

Operating voltage:	120-277 VAC, 50/60Hz
Power consumption:	85W
Operating temp:	-4°F to +149°F (-20°C to +65°C)
Battery:	3.6V 10Ah NiMH
Expected battery life*:	3 years
Battery duration*:	> 3 hours
Harmonics:	IEC 61000-3-2

Noise Requirements/EMC: FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz

Surge protection:	EN 61000-4-5 1 kV line-to-line 2 kV line-to-ground
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THD: < 20%

Power factor: > 0.9

Power Supply:

ALT: (accelerated life testing) Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected

Driver: Fully potted and sealed for superior protection

Construction:

Finish: Superior dual coat finish
- Sealed polyester topcoat
- Chemical resistant epoxy primer

Lens: Polycarbonate

Vibration: Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock: 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

Light output in emergency mode: 450 lumens

CRI: 75

CCT: 5000K (cool white)

IES files: available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)
* @ 25°C ambient

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SafeSite® LED Linear - Battery Backup

Ordering Information & Accessories - 5 year warranty



Classifications: CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIID1 • CIID2

This fixture is offered in sustained and maintained configurations.

Sustained has a single AC input and battery backup mode is entered upon any loss of power. Fixture cannot be turned off without entering battery backup mode.

Maintained has two AC inputs. The fixture can be turned on and off via AC-1 and Fixture only enters battery backup mode when AC-2 is lost or low.

Part Number	Length	CRI	Type	CID2	CIID1	CIID2	CIID	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	Beam Distribution
Class I, Div. 2 Models														
LSD3C4MEP	4'	75	Sustained	•				120-277 VAC	Clear	5000K (cool white)	7,000	85	82	Medium
LSD3C4MNP	4'	75	Maintained	•				120-277 VAC	Clear	5000K (cool white)	7,000	85	82	Medium
Class II Models														
LSF3C4MEP	4'	75	Sustained		•	•	•	120-277 VAC	Clear	5000K (cool white)	7,000	85	82	Medium
LSF3C4MNP	4'	75	Maintained		•	•	•	120-277 VAC	Clear	5000K (cool white)	7,000	85	82	Medium

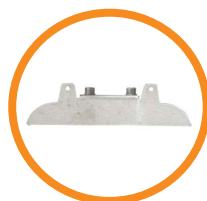
All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%).

Part numbers listed in the above table are cool white. For neutral white models replace the 5th character with N. Ex. LSF3C4MEP becomes LSF3N4MEP



LSXW4

- Mounting bracket
- Can be angled at 0°, 30°, 45°, 60° & 90°



LSXENDCAPKIT

- Chain mount brackets



HZXSAFEKIT

- Safety cable kit

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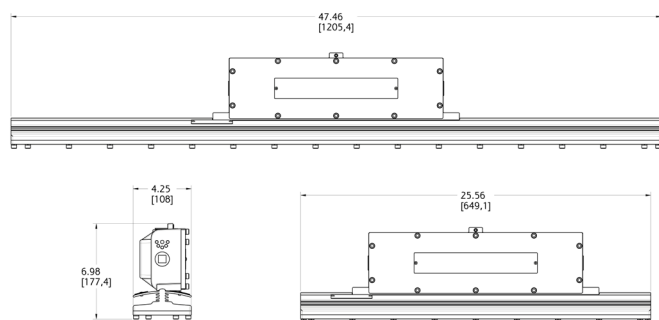
SafeSite® LED Linear - Class I, Div. 1

Technical Specifications - 5 year warranty



Certifications & Ratings

- UL1598
- UL844
- CSA C22.2 No. 137
- Class I, Div. 1 Groups C & D
- IP66
- NEMA 4X



Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

Mechanical Information:

- Fixture weight:** 4' - 26 lb (11.8 kg)
2' - 17.5 lb (7.9 kg)
- Shipping weight:** 4' - 28 lb (12.7 kg)
2' - 19.5 lb (8.8 kg)
- Mounting:** (1) Threaded 3/4" NPT side
(2) Threaded 3/4" NPT ends

Electrical Specifications:

- Operating voltage:** 100-277 VAC, 50/60Hz or
347/480 VAC, 50/60Hz
- Power consumption:** See ordering information
- Operating temp:** -40°F to +149°F (-40°C to +65°C)
- Harmonics:** IEC 61000-3-2
- Noise Requirements/EMC:** FCC Title 47, Subpart B, Section 15,
Class A device. RF Immunity; 10V/m,
80MHz-1GHz
- Surge protection:** EN 61000-4-5
4 kV line-to-line
4 kV line-to-ground
- THD:** < 20%
- Power factor:** > 0.9

Power Supply:

- ALT:** (accelerated life testing) Over 15 yr equivalent at 24/7 service
- MTBF:** (mean time between failures) Over 300 years with annual failure rate
less than 0.3% expected
- Driver:** Fully potted and sealed for superior
protection

Construction:

- Finish:** Superior dual coat finish
- Sealed polyester topcoat
- Chemical resistant epoxy primer
- Lens:** Tempered Glass
- Vibration:** Up to 5G @ 10-150Hz for 750,000 cycles,
per IEC 60068-2-6 for luminaire only
- Shock:** 50G half-sine for 3 cycles,
per IEC 60068-2-27 for luminaire only

Photometric Information:

- CRI:** 75
- CCT:** 5000K (cool white)
400K (neutral white)
- IES files:** Available upon request
- All values typical unless otherwise stated (tolerance +/- 10%)

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SafeSite® LED Linear - Class I, Div. 1

Ordering Information & Accessories - 5 year warranty



Classifications: CID1 C, D

Platform Part Number	Legacy Part Number	Length	CRI	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	Beam Distribution
CID1 - 100-277 VAC Models										
LRC7MB27NNNNGN	LSC3C4M3GEX	4'	75	100-277 VAC	Tempered glass	5000K (cool white)	7,250	68	106	Medium
LSC7MB23NNNNGN	LSC3C4D3GEX	2'	75	100-277 VAC	Tempered glass	5000K (cool white)	3,600	34	106	Medium
CID1 - 347/480 VAC Models										
LRC7MB57NNNNGN	LSC3C5M3GEX	4'	75	347/480 VAC	Tempered glass	5000K (cool white)	7,250	100	72	Medium
LSC7MB53NNNNGN	LSC3C5D3GEX	2'	75	347/480 VAC	Tempered glass	5000K (cool white)	3,600	50	72	Medium

All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%).

Part numbers listed in the table above are cool white. For neutral white, model replace the 5th character with N. Ex. LSC3C4D3GEX becomes LSC3N4D3GEX.



LSXW5

- Aluminum mounting bracket
- Can be angled at 0°, 30°, 45°, 60° & 90°



HZXSAFEKIT

- Stainless steel safety cable kit

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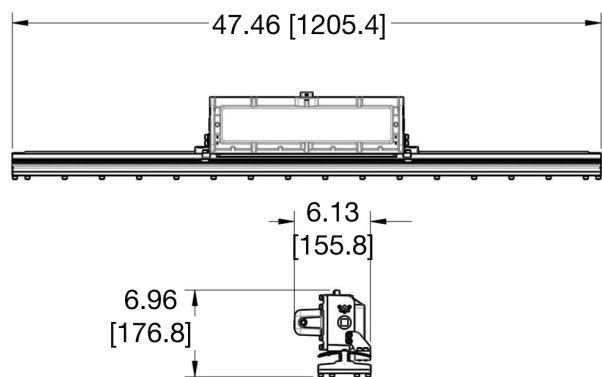
SafeSite® LED Linear - Battery Backup - Class I, Div. 1

Technical Specifications - 5 year warranty



Certifications & Ratings

- UL 1598/A
- UL 844
- CSA C22.2 No. 137
- CSA C22.2 No. 250
- Class I, Div. 1 Groups C & D
- Class I, Div. 2 Groups A, B, C & D
- IP66
- NEMA 4X



Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature Range T4A Temperature Code

-4°F to +149°F (-20°C to +65°C)

Mechanical Information:

Fixture weight:	32 lb (14.5 kg)
Shipping weight:	35 lb (15.9 kg)
Mounting:	(1) Threaded 3/4" NPT side (2) Threaded 3/4" NPT ends

Electrical Specifications:

Operating voltage:	120-277 VAC, 50/60Hz
Power consumption:	85W
Operating temp:	-4°F to +149°F (-20°C to +65°C)
Battery:	3.6V 10Ah NiMH
Expected battery life*:	3 years
Lumen output in battery mode:	500lm
Battery duration*:	> 3 hours
Harmonics:	IEC 61000-3-2

Noise Requirements/EMC: FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz

Surge protection: EN 61000-4-5
1 kV line-to-line
2 kV line-to-ground

THD: < 20%

Power factor: > 0.9

Power Supply:

ALT: (accelerated life testing) Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected

Driver: Fully potted and sealed for superior protection

Construction:

Finish: Superior dual coat finish
- Sealed polyester topcoat
- Chemical resistant epoxy primer

Lens: Tempered glass

Vibration: Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock: 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:	75
CCT:	5000K (cool white)
IES files:	Available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)
* @ 25°C ambient

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SafeSite® LED Linear - Battery Backup - Class I, Div. 1

Ordering Information & Accessories - 5 year warranty



Classifications: CID1 Groups C, D

Platform Part Number	Legacy Part Number	Length	CRI	Type	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	Beam Distribution
Class I, Div. 1 Model											
LRC7MB27NNNGE	LSC3C4MEGEX	4'	75	Sustained	120-277 VAC	Tempered glass	5000K (CW)	7,250	85	85	Medium

All values typical unless otherwise stated (tolerance +/- 10%).

Part numbers listed in the table above are cool white. For neutral white models, replace the 5th character with an N.



LSXW5

- Aluminum mounting bracket
- Can be angled at 0°, 30°, 45°, 60° & 90°



HZXSAFEKIT

- Stainless steel safety cable kit

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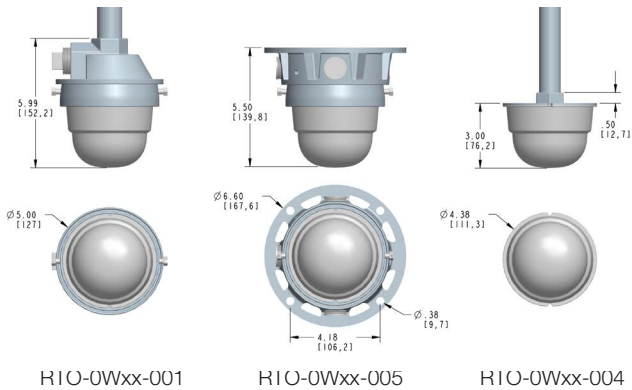
SafeSite® LED RTO Area Light - UL844

Standard Models



Certifications & Ratings

- Class I, Div 2 Groups A,B,C,D
- Class II, Div 1 Groups E,F,G
- Class II, Div 2 Groups E,F,G
- UL 844
- UL 1598
- UL 50/E
- IP66



Dimensions in inches [mm]

Temperature Ratings

Ambient Temperature Range T3C Temperature Code

-40°F to +133°F (-40°C to +55°C)

Mechanical Information:

Fixture weight: RTO0Wxx001: 2.5 lbs (1.13 kg)
RTO0Wxx005: 3.2 lbs (1.45 kg)
RTO0Wxx004: 0.8 lbs (0.36 Kg)

Shipping weight: RTO0Wxx001: 3.0 lbs (1.36 kg)
RTO0Wxx005: 4.5 lbs (2.04 kg)
RTO0Wxx004: 1.4 lbs (0.64 Kg)

Mounting:
Pendant Mount: 1" & 3/4" NPT reducer bi-directional
Ceiling Mount: 3/4" NPT 5-way surfac
Pendant Mount: 3/4" NPT threaded conduit

Electrical Specifications:

Operating Voltage: 100-277 VAC, 50/60 Hz
12-48 VDC

Total system power consumption: See table

Operating Temp: -40°F to +133°F (-40°C to +55°C)

Harmonics: IEC 61000-3-2

Noise requirement /EMC: FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection: 1 kV line to line
2 kV line to ground

THD: <20%

Power Factor: > 0.9

Power Supply:

ALT: (accelerated life testing) Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected

Driver: Fully potted and sealed for superior protection

Construction:

Housing: Copper free aluminum

Finish: Superior dual coat finish
- Sealed polyester topcoat
- Chemical-resistant epoxy primer

Lens: UV stabilized abrasion resistant polycarbonate

Vibration: Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock: 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI: 75

CCT: 6000K (cool white)

All values typical unless otherwise stated (tolerance +/- 10%)

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SafeSite® LED RTO Area Light

Ordering Information & Mounting Accessories

Classifications: CID2 A,B,C,D • CIID1 E,F,G • CIID2 E,F,D

Part Number	Type	CID2	CIID1	CIID2	Fixture Lumens	Watt	lm/W	Voltage	CCT	Lens	Beam Distribution
Standard Models - 100-277 VAC											
RTODW17005	Ceiling mount with junction box		•	•	800	8	100	100-277 VAC	6000K (CW)	Polycarbonate	Circular
RTODW17004	Pendant mount		•	•	800	8	100	100-277 VAC	6000K (CW)	Polycarbonate	Circular
RTODW17001	Pendant mount with junction box		•	•	800	8	100	100-277 VAC	6000K (CW)	Polycarbonate	Circular
RTO2W17005	Ceiling mount with junction box	•			800	8	100	100-277 VAC	6000K (CW)	Polycarbonate	Circular
RTO2W17004	Pendant mount	•			800	8	100	100-277 VAC	6000K (CW)	Polycarbonate	Circular
RTO2W17001	Pendant mount with junction box	•			800	8	100	100-277 VAC	6000K (CW)	Polycarbonate	Circular
RTODW07005	Ceiling mount with junction box		•	•	470	8	59	100-277 VAC	6000K (CW)	Polycarbonate	Circular
RTODW07004	Pendant mount		•	•	470	8	59	100-277 VAC	6000K (CW)	Polycarbonate	Circular
RTODW07001	Pendant mount with junction box		•	•	470	8	59	100-277 VAC	6000K (CW)	Polycarbonate	Circular
RTO2W07005	Ceiling mount with junction box	•			470	8	59	100-277 VAC	6000K (CW)	Polycarbonate	Circular
RTO2W07004	Pendant mount	•			470	8	59	100-277 VAC	6000K (CW)	Polycarbonate	Circular
RTO2W07001	Pendant mount with junction box	•			470	8	59	100-277 VAC	6000K (CW)	Polycarbonate	Circular
Standard Models - 24-48 VDC											
RTODW18005	Ceiling mount with junction box		•	•	800	8	100	12-48 VDC	6000K (CW)	Polycarbonate	Circular
RTODW18004	Pendant mount		•	•	800	8	100	12-48 VDC	6000K (CW)	Polycarbonate	Circular
RTODW18001	Pendant mount with junction box		•	•	800	8	100	12-48 VDC	6000K (CW)	Polycarbonate	Circular
RTO2W18005	Ceiling mount with junction box	•			800	8	100	12-48 VDC	6000K (CW)	Polycarbonate	Circular
RTO2W18004	Pendant mount	•			800	8	100	12-48 VDC	6000K (CW)	Polycarbonate	Circular
RTO2W18001	Pendant mount with junction box	•			800	8	100	12-48 VDC	6000K (CW)	Polycarbonate	Circular
RTODW08005	Ceiling mount with junction box		•	•	470	8	59	12-48 VDC	6000K (CW)	Polycarbonate	Circular
RTODW08004	Pendant mount		•	•	470	8	59	12-48 VDC	6000K (CW)	Polycarbonate	Circular
RTODW08001	Pendant mount with junction box		•	•	470	8	59	12-48 VDC	6000K (CW)	Polycarbonate	Circular
RTO2W08005	Ceiling mount with junction box	•			470	8	59	12-48 VDC	6000K (CW)	Polycarbonate	Circular
RTO2W08004	Pendant mount	•			470	8	59	12-48 VDC	6000K (CW)	Polycarbonate	Circular
RTO2W08001	Pendant mount with junction box	•			470	8	59	12-48 VDC	6000K (CW)	Polycarbonate	Circular

All values typical unless otherwise stated (tolerance +/- 10%).



Pendant Mount

- 3/4" NPT threaded conduit



Pendant Mount with Junction Box

- 1" & 3/4" NPT reducer bidirectional mounting



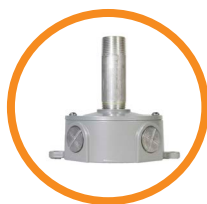
Ceiling Mount with Junction Box

- 3/4" NPT 5-way surface mounting



RTO1000

- Flush wall mount



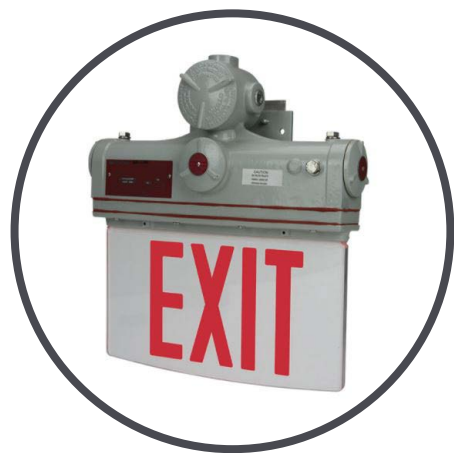
RTO1001

- Junction box wall mount

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Dialight® CXC - LED Edge-Lit Exit Sign

Technical Spec Sheet



Certifications & Ratings

- Class I Division 1, Groups C & D, Class II Division 1, Groups E, F & G, Class III, Class 1 Zone 1, Groups IIA and IIB, Zone 2 Groups IIA, IIB + H2 & IIC
- Suitable for wet and damp locations
- IP65 Rated
- Buy American Act (BAA) compliant
- 5 year warranty

Mechanical Information:

Fixture weight:	15 lbs
Mounting:	Standard ½" NPT conduit hubs provided for alternate mounting options

Battery:

Battery specs:	Maintenance-free NiCad battery
-----------------------	--------------------------------

Electrical Specifications:

Operating voltage:	120/277VAC dual primary, 60Hz
Operating temperature:	+50°F to +122°F (+10°C to +50°C)
Total system power consumption:	3W
Temperature rating:	T6 = 185°F (85°C)

Run time:	180 Minute emergency operation standard, 24 hour recharge time
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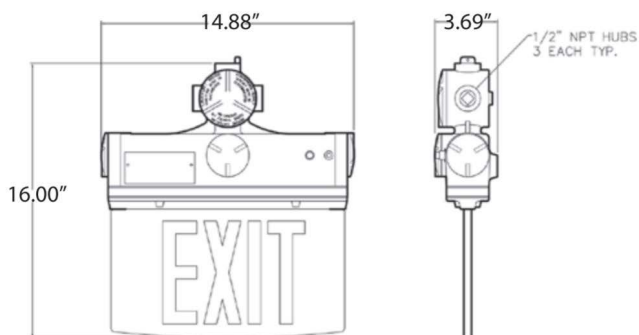
Features:	Brownout protection circuit, Low voltage battery disconnect
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Construction:

Housing:	Copper-free cast aluminum alloy housings with ½" NPT conduit hubs, high-clarity acrylic panels
-----------------	--

Finish:	Gray
----------------	------

All values typical unless otherwise stated (tolerance +/- 10%)



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Dialight® CXD Series - LED Edge-Lit Exit Sign

Technical Spec Sheet



Certifications & Ratings

- Class I Division 2, Groups A, B, C & D, Class II Division 2, Groups F & G, Class III
- Suitable for wet and damp locations
- IP65 Rated
- Buy American Act (BAA) compliant
- 5 year warranty

Mechanical Information:

Fixture weight:	14 lbs
Mounting:	Standard 1/2" NPT conduit hubs provided for alternate mounting options

Battery:

Battery specs:	Maintenance-free NiCad battery
-----------------------	--------------------------------

Electrical Specifications:

Operating voltage:	120/277VAC dual primary, 60Hz
Operating temperature:	+50°F to +131°F (+10°C to +55°C)
Total system power consumption:	3W
Temperature rating:	T6 = 185°F (85°C)

Run time:	180 Minute emergency operation standard, 24 hour recharge time
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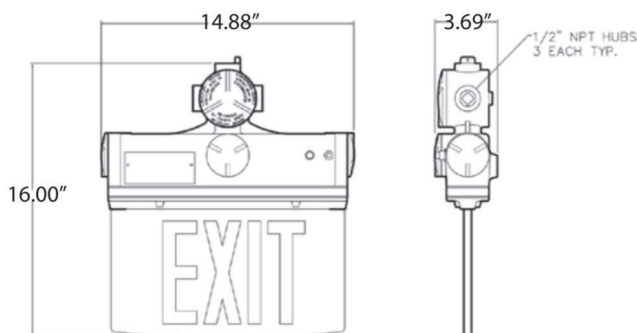
Features:	Brownout protection circuit, Low voltage battery disconnect
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Construction:

Housing:	Copper-free cast aluminum alloy housings with 1/2" NPT conduit hubs, high-clarity acrylic panels
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Finish:	Gray
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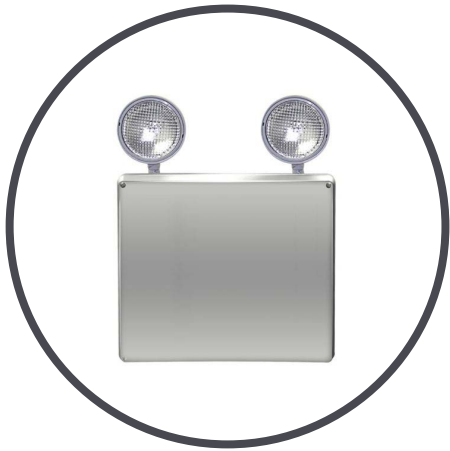
All values typical unless otherwise stated (tolerance +/- 10%)



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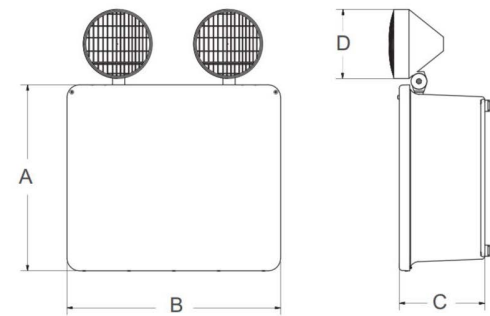
Dialight® CMD Series - Emergency Lighting

Technical Spec Sheet



Certifications & Ratings

- Class I Division 2, Groups A, B, C & D - T2B area classification
- Class 1 Zone 2, IIA, IIB & IIC, T1 & T2 area classifications
- NEMA 4X rated
- American Recovery and Reinvestment Act (ARRA) compliant
- 3 year warranty



A	B	C	D
13.5"	15.5"	6.3"	5.5"

Mechanical Information:

Fixture weight:	10 lbs
Mounting:	Four stainless steel mounting feet ensure a safe, durable surface wall mount installation
Cable entry:	(5) five sides optional conduit entry
Battery:	
Battery specs:	Maintenance-free lead calcium or NiCad battery

Electrical Specifications:

Operating voltage:	120/277 VAC dual primary
Operating temperature:	+50°F to +104°F (+10°C to +40°C)
Run time:	90 minute emergency run time, 24 hour recharge time

Construction:

Housing:	Durable fiberglass housing with integrated stainless steel mounting feet; corrosion and vandal resistant
Finish:	Gray

Photometric Information:

Power:	42W
CCT:	3000K

All values typical unless otherwise stated (tolerance +/- 10%)

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Dialight® Classified Family

Ordering Information

Series	Model Number	Description
CXC LED Exit Signs		
CXC Series	CXC-S-F-R-PW-SD	C1D1, Red Exit, Single-face, with Battery, Wall/Pendant Mount, Self-diagnostics
CXD LED Exit Signs		
CXD Series	CXD-S-F-R-PW-SD	C1D2, Red Exit, Single-face, with Battery, Wall/Pendant Mount, Self-diagnostics
CXD Series	CXD-D-F-R-PW-SD	C1D2, Red Exit, Double-face, with Battery, Wall/Pendant Mount, Self-diagnostics
CMD Series Emergency Light		
CMD Series	CMD-12N-42-18-2-SD	C1D2 Emergency Light, 12 Volt NiCad, 42 Watts, Two 18 Watt Lamps, Self-test/Self-diagnostics

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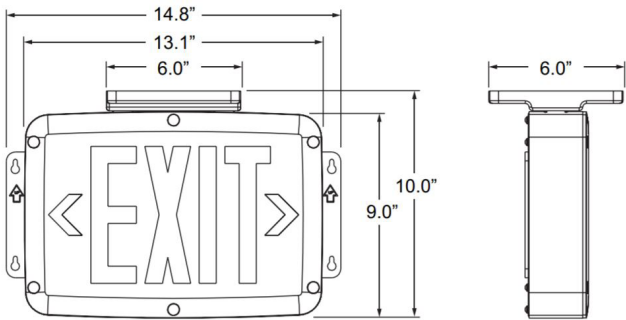
Dialight® EXN Series - LED Exit Sign

Technical Spec Sheet



Certifications & Ratings

- 5 year warranty
- UL 924 Listed for Wet Locations
- Meets NFPA 101 Life Safety Code, NEC, OSHA
- UL-EPH Classified for use in food service operations
- California Energy Commission (CEC) Title 20 Compliant
- NEMA 4X certified
- IP66 rated



Mechanical Information:

- Fixture weight:** 6.8 lbs
*Add 0.6 lb for NiCad battery
- Mounting:** Ceiling, end or wall mount
- Cable entry:** Rear, end or top
- Battery:**
- Battery specs:** Maintenance-free NiCad battery (option)

Electrical Specifications:

- Operating voltage:** 120/277 VAC dual primary
- Operating temperature:** -4°F to +122°F (-20°C to +50°C)
- Run time:** 90 Minute emergency run time, 24 hour recharge time
- Legend:** Fully illuminated 6" characters with 3/4" stroke, red or green
- Test switch:** Touchless, magnetically operated (battery models)

Construction:

- Housing:** NEMA 4X rated polycarbonate enclosure, polycarbonate lens and stainless steel hardware
- Finish:** Black or white
- All values typical unless otherwise stated (tolerance +/- 10%)

Series	Model Number	Description
LED Exit Sign		
EXN Series	EXN-D-N-R-WH	Exit, Double-face, AC only, Red legend, White finish
EXN Series	EXN-D-N-R-BL	Exit, Double-face, AC only, Red legend, Black finish
EXN Series	EXN-D-F-R-WH-ST	Exit, Double-face, NiCad battery, Red legend, White finish, Self-test/Self-diagnostics
EXN Series	EXN-D-F-R-BL-ST	Exit, Double-face, NiCad battery, Red legend, Black finish, Self-test/Self-diagnostics

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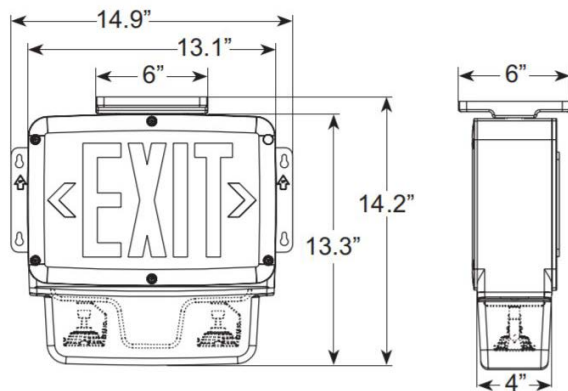
Dialight® ECN Series - LED Combo Exit Sign

Technical Spec Sheet



Certifications & Ratings

- 5 year warranty
- UL 924 Listed for Wet Locations
- Meets NFPA 101 Life Safety Code, NEC, OSHA
- UL-EPH Classified for use in food service operations
- California Energy Commission (CEC) Title 20 Compliant
- NEMA 4X certified
- IP66 rated



Mechanical Information:

Fixture weight:	13.6 lbs
Mounting:	Ceiling, end or wall mount
Cable entry:	Rear, end or top
Battery:	
Battery specs:	Maintenance-free sealed NiCad battery standard (15W)

Electrical Specifications:

Operating voltage:	120/277 VAC dual primary
Operating temperature:	
12W & 15W Models:	+32°F to +122°F (0°C to +50°C)
28W Models:	+50°F to +104°F (10°C to +40°C)
Cold Location Option:	-4°F to +122°F (-20°C to +50°C)
Run time:	90 Minute emergency run time, 24 hour recharge time
Legend:	Fully illuminated 6" characters with 3/4" stroke
Test switch:	Touchless, magnetically operated
Remote compatibility:	Compatible with EMN Remote Lamp

Construction:

Housing:	NEMA 4X rated polycarbonate enclosure, polycarbonate lens and stainless steel hardware
Finish:	Black or white

Photometric Information:

Lamps:	(2) LED MR16
Lumens:	219 lumens each lamp
Power:	3.3W each lamp

All values typical unless otherwise stated (tolerance +/- 10%)

Series	Model Number	Description
LED Combo Exit Sign		
ECN Series	ECN-S-R-12-15-WH-ST	Exit Combo, Single-face, Red legend, 12 Volt, 15 Watts, White finish, Self-test/Self-diagnostics
ECN Series	ECN-S-R-12-15-BL-ST	Exit Combo, Single-face, Red legend, 12 Volt, 15 Watts, Black finish, Self-test/Self-diagnostics

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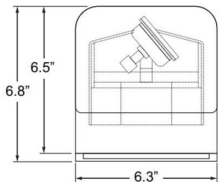
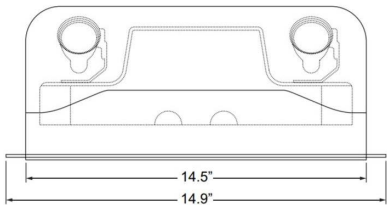
Dialight® EMN Series - LED Emergency Unit

Technical Spec Sheet



Certifications & Ratings

- 5 year warranty
- UL 924 Listed for Wet Locations
- Meets NFPA 101 Life Safety Code, NEC, OSHA
- UL-EPH Classified for use in food service operations
- California Energy Commission (CEC) Title 20 Compliant
- NEMA 4X certified
- IP66 rated



Mechanical Information:

- Fixture weight:** 9 lbs
- Mounting:** Wall mount
- Cable entry:** Rear
- Battery:**
- Battery specs:** Maintenance-free sealed lead calcium or NiCad battery

Electrical Specifications:

- Operating voltage:** 120/277 VAC dual primary
- Operating temperature:**
- 12W & 15W Models: +32°F to +122°F (0°C to +50°C)
- 28W Models: +50°F to +104°F (10°C to +40°C)
- Cold Location Option: -13°F to +122°F (-25°C to +50°C)
- Run time:** 90 Minute emergency run time, 24 hour recharge time; alternate run times available - consult factory
- Remote compatibility:** Compatible with EMN Remote Lamp

Construction:

- Housing:** NEMA 4X rated polycarbonate enclosure, polycarbonate lens and stainless steel hardware
- Finish:** Black or white

Photometric Information:

- Lamps:** (2) LED MR16
- Lumens:** 219 lumens each lamp
- Power:** 3.3W each lamp

All values typical unless otherwise stated (tolerance +/- 10%)

Series	Model Number	Description
LED Emergency Unit		
EMN Series	EMN-12-15-WH-ST	LED Emergency Unit, 12 Volt, 15 Watts, White finish, Self-test/Self-diagnostics
EMN Series	EMN-12-15-BL-ST	LED Emergency Unit, 12 Volt, 15 Watts, Black finish, Self-test/Self-diagnostics

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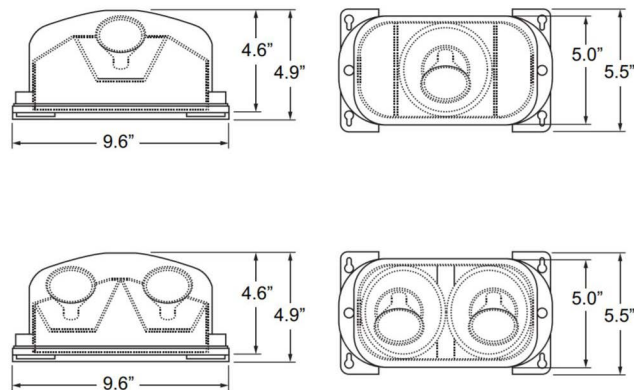
Dialight® EMN Series - LED Remote Head

Technical Spec Sheet



Certifications & Ratings

- 5 year warranty
- UL 924 Listed for Wet Locations
- Meets NFPA 101 Life Safety Code, NEC, OSHA
- UL-EPH Classified for use in food service operations
- NEMA 4X certified
- IP66 rated



Mechanical Information:

- Fixture weight:** 4.8 lbs
- Mounting:** Ceiling or wall mount
- Cable entry:** Rear

Electrical Specifications:

- Operating voltage:** 6VDC or 12VDC Remote power source (compatible with ECN or EMN units)
- Operating temperature:** -13°F to +122°F (-25°C to +50°C)
- Compatibility:** ECN or EMN battery units

Construction:

- Housing:** NEMA 4X rated polycarbonate enclosure, polycarbonate lens and stainless steel hardware

- Finish:** Black or white

Photometric Information:

- Lamps:** (2) LED MR16
- Lumens:** 219 lumens each lamp
- Power:** 3.3W each lamp

All values typical unless otherwise stated (tolerance +/- 10%)

Series	Model Number	Description
LED Remote Head		
EMN Series	EMN-R-2-WH	LED Emergency Remote Head, Double lamp, White finish
EMN Series	EMN-R-2-BL	LED Emergency Remote Head, Double lamp, Black finish

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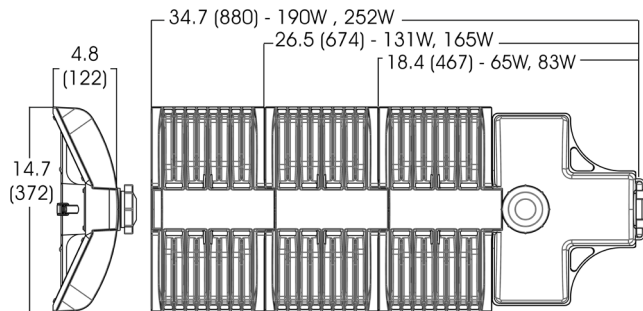
StreetSense LED Street Light - UL

Standard Models



Certifications & Ratings

- UL1598
- CE
- CSA C22.2 No. 250.0-08



Dimensions in inches (mm)

Mechanical Information:

Fixture weight:

62W, 78W:	16lbs (7.26kg)
125W, 156W:	25lbs (11.34kg)
182W, 228W:	34lbs (15.42kg)

Shipping weight:

62W, 78W:	21lbs (12kg)
125W, 156W:	30lbs (16kg)
182W, 228W:	39lbs (20kg)

Mounting:

Accommodates 1.7" [43mm] ~ 2.3" [58mm] max OD pipe. Provision for adjustment of +/- 5° at 2.5° increments

EPA (Sq. ft):

62W, 78W:	0.60
125W, 156W:	0.87
182W, 228W:	1.13

Electrical Specifications:

Operating Voltage:

100 - 277 VAC, 50/60 Hz
347 - 480 VAC, 50/60 Hz

Total system power consumption:

See table

Operating Temp:

40°F to 165°F (-40°C to 74°C) ambient

Terminal Block:

#14 AWG (1.6mm) to #6 AWG (4.1mm) wire and accessible via hinged tool less entry

Noise requirement /EMC:

FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection:

Open circuit surge protection 10kV standard per ANSI/IEEE C62.41. 2.2002 cat C high

THD:

<20%

Power Factor:

> 0.9

Power Supply:

ALT: (accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper free aluminum

Finish:

Superior dual coat finish
- Sealed polyester topcoat
- Chemical-resistant epoxy primer

Lens:

Optically optimized, tempered glass

Photo controller socket:

Standard NEMA three prong twist lock, socket with shorting cap, as per ANSI C136.10

Photometric Information:

CRI:

>70

CCT:

5000K (cool white)
4300K (neutral white)

Optics:

IES Type III

All values typical unless otherwise stated (tolerance +/- 10%)

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StreetSense LED Street Light - UL

Ordering Information & Accessories

Part Number	Number of Light Engines	EPA (SQ. ft)	Lens	CCT	Fixture Lumens	Wattage	LPW	Optical Pattern
Standard Models - 100-277 VAC								
SL3C5SLGG	3	1.13	Tempered Glass	5000K (cool white)	23,400	228	103	Type III
SL3C5RLGG	3	1.13	Tempered Glass	5000K (cool white)	20,000	182	110	Type III
SL3C5ILGG	2	0.87	Tempered Glass	5000K (cool white)	15,600	156	100	Type III
SL3C5HLGG	2	0.87	Tempered Glass	5000K (cool white)	12,500	125	100	Type III
SL3C5DLGG	1	0.6	Tempered Glass	5000K (cool white)	7,800	78	100	Type III
SL3C5CLGG	1	0.6	Tempered Glass	5000K (cool white)	6,400	62	103	Type III
Standard Models - 347-480 VAC								
SL3C7SLGG	3	1.13	Tempered Glass	5000K (cool white)	22,000	228	96	Type III
SL3C7RLGG	3	1.13	Tempered Glass	5000K (cool white)	20,000	182	110	Type III
SL3C7ILGG	2	0.87	Tempered Glass	5000K (cool white)	15,700	156	101	Type III
SL3C7HLGG	2	0.87	Tempered Glass	5000K (cool white)	12,500	125	100	Type III
SL3C7DLGG	1	0.6	Tempered Glass	5000K (cool white)	7,800	78	100	Type III
SL3C7CLGG	1	0.6	Tempered Glass	5000K (cool white)	6,400	62	103	Type III

All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%).

Part numbers listed in the above table are cool white. For neutral white model, replace the 4th character with N Ex: SL3C5CLGG becomes SL3N5CLGG



SLSHIELDKIT

- House side shield



SL-PC01R

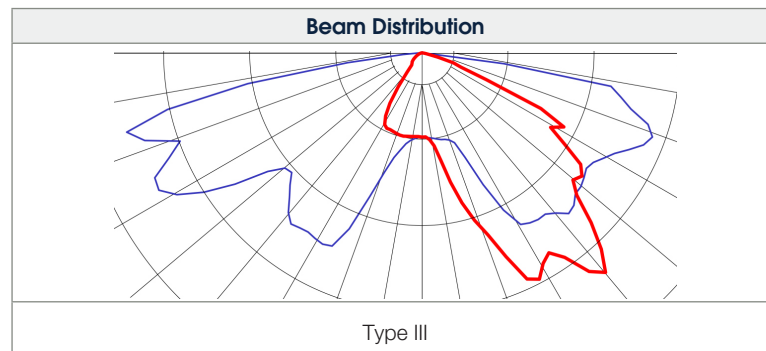
- 105 - 305V AC Photocontroller

SL-PC02R

- 312 - 382V AC Photocontroller

SL-PC03R

- 432 - 528V AC Photocontroller



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Obstruction LED Lighting Solutions

FAA Approved Obstruction Lighting Solutions



Red LED Systems: L-864 and L-810

Features & Benefits

- Infrared (IR) models available for improved visibility to night vision goggles
- Integrated controller
- 5 year warranty
- Universal 120-240 VAC input
- Controller can be mounted at the base of the structure
- NEMA 4X outdoor rated enclosure
- Wide temperature range: -40°C to +55°C
- Configurable flash rates (20, 30, or 40 flashes per minute)
- Ability to operate lights in steady or flashing mode
- Optional infrared light fixtures
- Light weight design
- Low power consumption
- IP66 rated light fixtures
- Impact and vibration resistant
- Provision for padlock on the enclosure
- Dry contacts for alarm monitoring/status
 - Photocell alarm
 - L-810 / L-864 light alarms
 - Operation mode (day/night)
 - Communication alarm
 - Sync alarm
 - Power fail alarm



Dual (Red / White) LED Systems: L-865 and L-864

Features & Benefits

- Infrared (IR) version available for improved visibility to Night Vision Goggles
- Integrated controller with LCD back-lit display
- Optional Ethernet / Cellular based remote monitoring / control system available
- 5 year warranty
- Ability to flash side markers
- Universal 120-240 VAC input or +/-48 VDC input
- Controller can be mounted at the base of the structure
- NEMA 4X outdoor rated enclosure
- Wide temperature range: -40°C to +55°C
- Light weight design
- Low power consumption
- IP66 rated light fixtures
- Impact and vibration resistant
- Provisions for padlock on the enclosure
- Dry contacts for alarm monitoring/status
 - Photocell alarm
 - Communication alarm
 - Sync alarm
 - Operation mode (day/night)
 - White mode alarm
 - Red mode alarm
 - Power fail alarm



White LED Systems: L-865

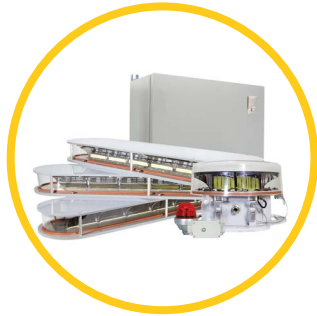
Features & Benefits

- Integrated controller with LCD back-lit display
- Optional Ethernet / Cellular based remote monitoring / control system available
- 5 year warranty
- Universal 120-240 VAC input or +/-48 VDC input
- Controller can be mounted at the base of the structure
- NEMA 4X outdoor rated enclosure
- Wide temperature range: -40°C to +55°C
- Light weight design
- Low power consumption
- IP66 rated light fixtures
- Impact and vibration resistant
- Provisions for padlock on the enclosure
- Dry contacts for alarm monitoring/status
 - Photocell alarm
 - Communication alarm
 - Sync alarm
 - Operation mode (day/night)
 - White mode alarm
 - Power fail

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Obstruction LED Lighting Solutions

FAA Approved Obstruction Lighting Solutions



High Intensity LED Systems: L-856 / L864

Features & Benefits

- Integrated controller
- 5 year warranty
- Universal 208-277 VAC input
- Controller can be mounted at the base of the structure
- NEMA 4X outdoor rated enclosures
- Wide temperature range: -40°C to +55°C
- Low power consumption
- IP66 rated light fixtures
- Impact and vibration resistant
- Provision for padlock on the enclosure
- Effective intensity / power consumption
 - White Day = 270,000cd (160W)
 - White Twilight = 20,000cd (30W)
 - White Night = 2,000cd (23W)
 - Red Night = 2,000cd (30W)
- Dry contacts for alarm monitoring/status
 - Photocell alarm
 - Communication alarm
 - Sync alarm
 - Operation mode (day/night)
 - White mode alarm
 - Red mode alarm
 - Power fail alarm



Wind LED Lighting Systems

Features & Benefits







- Controller integrated into flashhead
- Integrated Photocell
- Integrated Flasher
- 5 year warranty
- Universal 120-240 VAC input
- Wide temperature range: -40°C to +55°C
- Low power consumption
- IP66 rated light fixtures
- Impact and vibration resistant
- Dry contacts for alarm monitoring/status

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OUR SAVINGS & SERVICES

At Dialight, we deeply understand the harsh environments that our customers depend on our fixtures to illuminate each day. That's why our fixtures are engineered specifically for longevity in these conditions and most offer our industry-leading 10 year warranty, giving you peace of mind by reducing or eliminating the need for maintenance over the lifespan of the fixture.

TOTAL SAVINGS OVER DIALIGHT FIXTURE LIFESPAN

 <p>QUICK, EASY INSTALLATION</p> <p><i>reduced labor and production down time</i></p>	+	 <p>ENERGY REBATE ELIGIBILITY</p> <p><i>energy costs decreased</i></p>	+	 <p>WIRELESS CONTROLS</p> <p><i>IntelliLED advanced controls option to even further reduce costs</i></p>	+	 <p>REDUCED MAINTENANCE</p> <p><i>significant reduction or elimination in materials, labor and production down time</i></p>	+	 <p>IMPROVED SAFETY</p> <p><i>risk of accidents is cut up to 60% with clear visibility of hazards*</i></p>	+	 <p>COMPLIMENTARY SERVICES</p> <p><i>de-risking your investment and finding the right solution without over-purchasing</i></p>
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*Abdou, "Effects of Luminous Environment on Worker Productivity in Building Spaces"

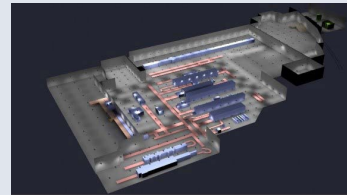
COMPLIMENTARY VALUE ADDED SERVICES

SITE AUDIT



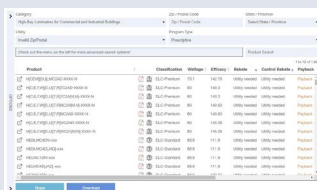
A regional sales manager will gladly visit your facility, taking note of your lighting goals, measuring existing light levels and identifying facility nuances that should be considered in the lighting solution.

LIGHTING LAYOUT



Our talented lighting designers will quickly design a solution to meet your needs with optimal light levels and the fewest fixtures possible.

UTILITY REBATE TOOL



Our website contains a real-time database of DLC listed Dialight products and the utility rebates available in your zip code.

TOTAL COST ANALYSIS



See how much you could be saving in energy and maintenance costs before you buy with our ROI tool.

For a free site audit and lighting layout to help you determine the right solution for your facility, please contact your local Dialight sales representative.



LEGACY LIGHTING
2,400k tonnes*



DIALIGHT LED LIGHTING
900k tonnes*

LIGHTING THE WAY TO A SUSTAINABLE INDUSTRIAL WORLD

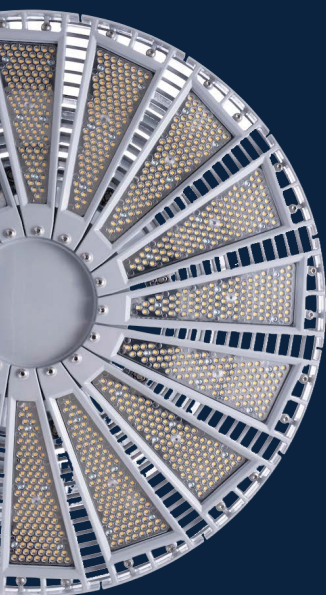
While significant strides have been made over the past several years with regards to corporate social responsibility in the industrial sector, sustainability doesn't necessarily come to mind when thinking about energy consuming, carbon-emitting harsh and hazardous applications.

But it doesn't have to be this way. There are simple, cost-effective steps that can be taken regardless of the industry to make an immediate and meaningful impact. All you have to do is look up.

More than 80% of the industrial world still relies on antiquated, inefficient legacy lighting technologies including High Pressure Sodium, Fluorescent and Metal Halide which require frequent maintenance or replacement, contain hazardous materials such as mercury, and offer sub-optimal illumination to safely perform tasks.

**Based on internal calculations of the impact of lighting products sold in 2020 and the estimated impact of the fixtures they replaced.*

At Dialight, we see a world where heavy industry can be transformed to be safer, more productive and environmentally friendly through illumination.



Pure Play LED Lighting
Company with global
footprint



50 years of LED
technology expertise



Part of the Green Economy
Index of the London Stock
Exchange



Technology proven to
withstand the harshest
industrial environments



Industry Leading 10 year
warranty



Products that last 5X
longer than legacy lighting
and double that of many
LED lighting competitors



Highly efficient, utility
rebate eligible, controls-
enabled illumination



Our products do not
contain hazardous
materials such as mercury
that would require
hazardous disposal

Notes

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Notes

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Dialight Europe Ltd

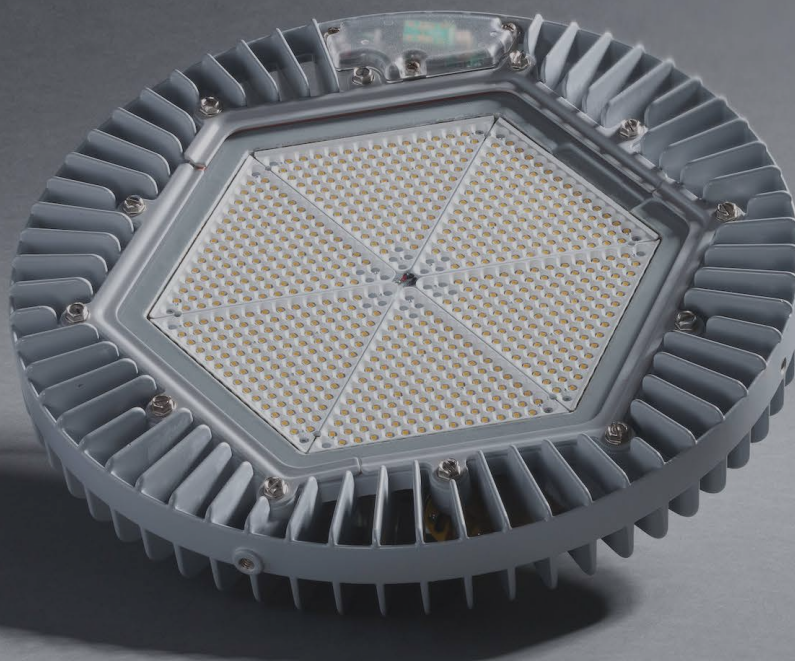
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