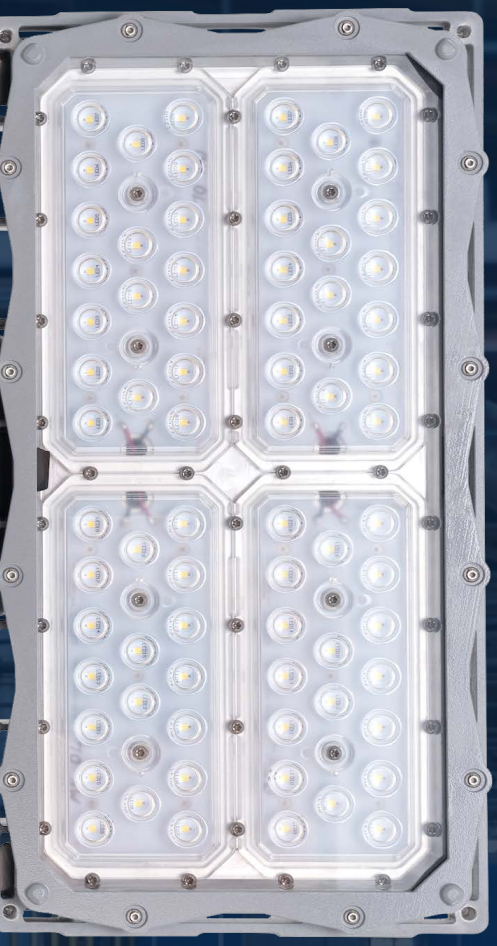
DIALIGHT LED LIGHTING CATALOG

for Industrial and Hazardous Locations - Americas/UL

Dialight

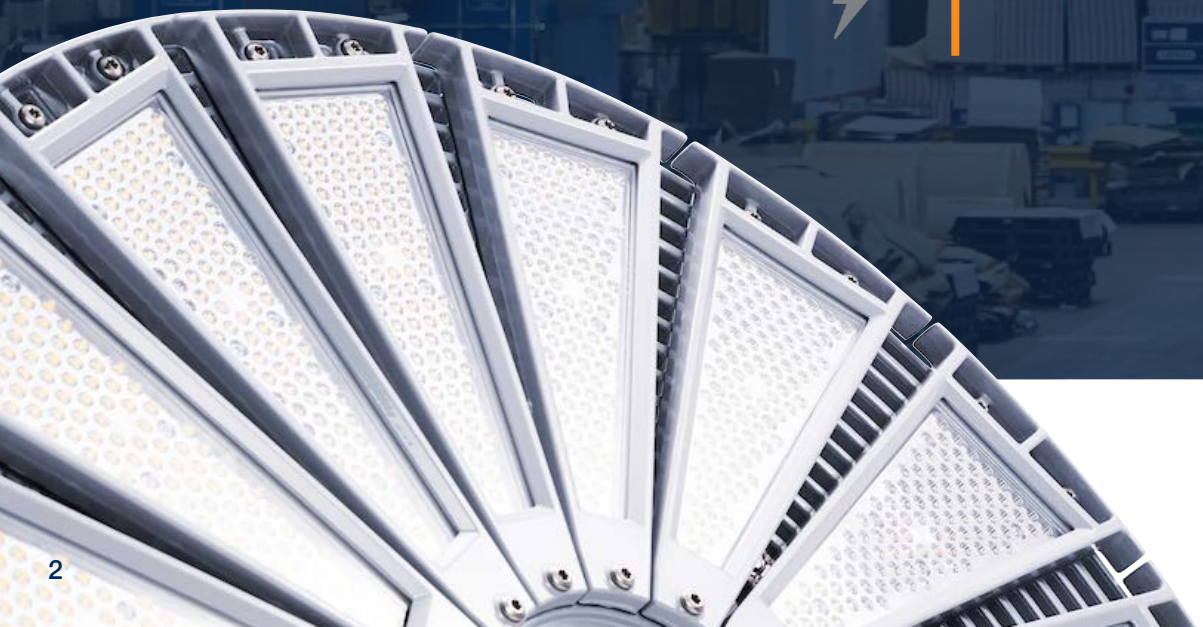
MARCH 2022

WHY LIGHTING MATTERS in Industrial Facilities



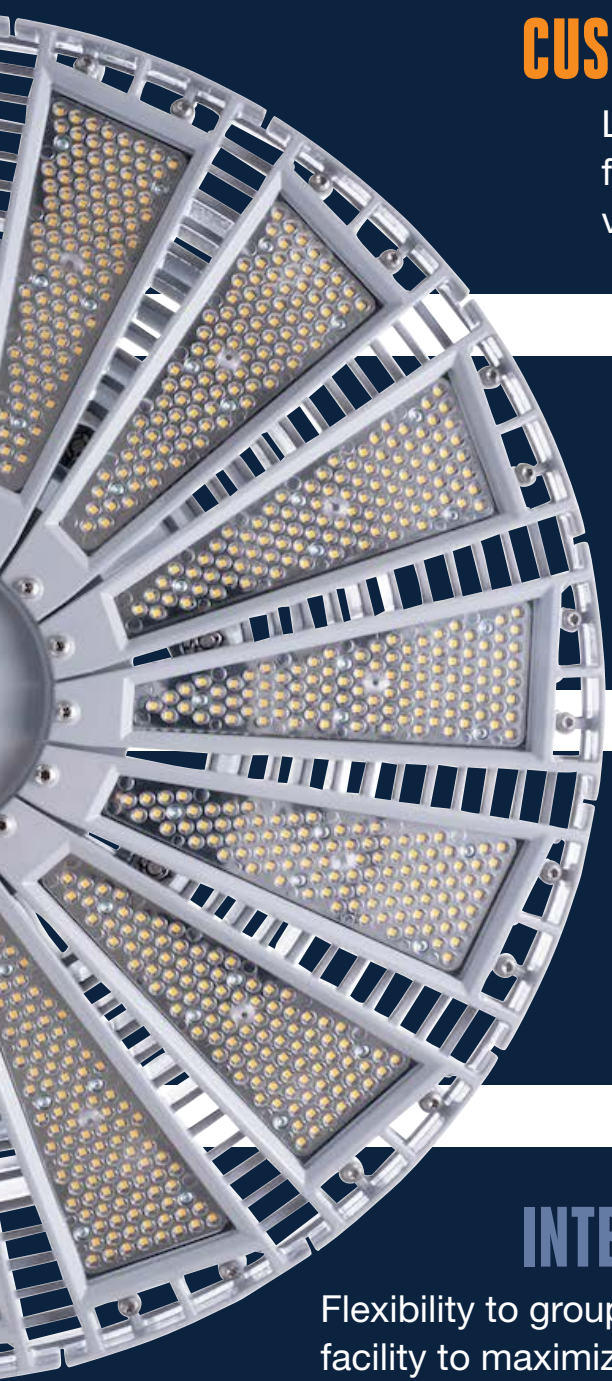
Lighting is of critical importance in industrial facilities to maximize both safety and productivity. Industrial sites are notorious for harsh conditions that can contribute to premature fixture failure.

- 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, morphline, 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 sesitized by other material so they present an explosion hazard
Group G	Flour dust, grain dust, flour, starch, sugar, wood, plastic and chemicals

Reference:
http://www.engineeringtoolbox.com/hazardous-areas-classification-d_347.html

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ProSite LED Lighting Fixture
for Industrial Applications

LED Floodlight

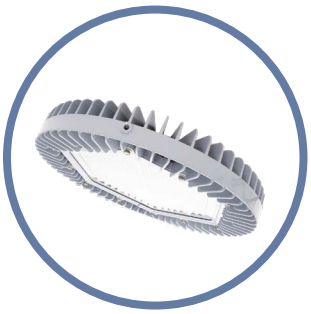
Wattage Range:	81-499W
Lumen Output:	12,500-65,000lm
Lumens per Watt:	Up to 165
Input Voltage:	120-277 VAC / 120-250 VDC
	347-480 VAC

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

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

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Vigilant® LED Lighting Fixtures
for Industrial Applications

LED High Bay - Passive Power Supply

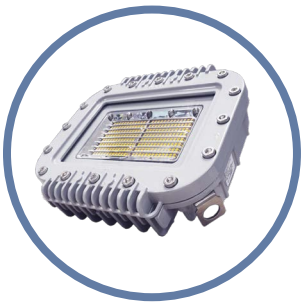
Wattage Range:	73-206W
Lumen Output:	9,750-27,000lm
Lumens per Watt:	101-131
Input Voltage:	347 VAC or 480 VAC

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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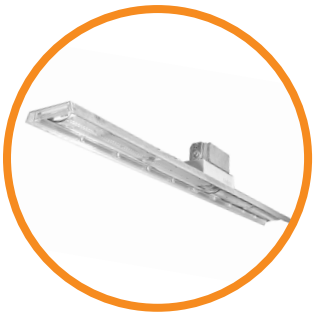
SafeSite® LED Lighting Fixtures
for Hazardous Applications

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

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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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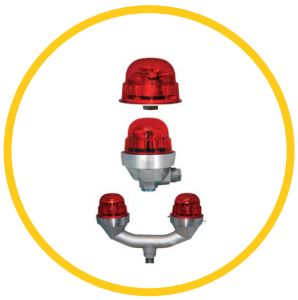
Obstruction LED Lighting Solutions

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 circle) - Standard Model 7.0W (16.7% duty circle) - 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
- UL 844 / CSA C22.2 No. 137 / NOM
  - Class I, Division 2 (Groups A, B, C, D)
  - Class I, Zone 2 (Groups IIC)
  - Class II, Division 2 (Groups E, F, G)
  - Zone 22
  - Class III
  - CIID1 - Pending*
- 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

*Values based on preliminary data awaiting validation or certification.

Mechanical Information:

Fixture weight:	24 - 30 lbs
Shipping weight:	~32 lbs
EPA (sq. ft):	2.00
Mounting: (all with 7.5° tilting increments)	316 stainless steel straight bracket 316 stainless steel angled bracket Slipfitter 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)
EMC:	CISPR 15 FCC 47CFR 15 IEC 61000-3-3 IEC 61547 IEC 61000-3-2
Transient protection: Optional:	6KV/3KA combination wave, as per IEEE C62.41, line-line and line-ground. 10kV/5kA for non-hazardous models
THD:	< 20%
Power Factor:	> 0.9
Dimming:	Wireless dimming controls via Dialight IntelliLED (optional), DALI 2.0 compatible/ 0-10 VDC (standard)

Construction:

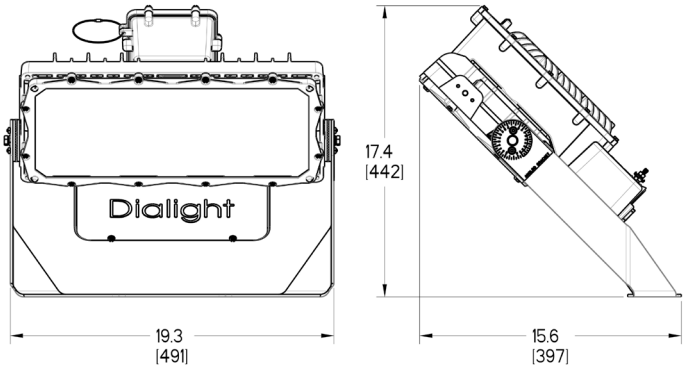
Housing:	A360 Die-cast aluminum
Hardware:	316 stainless steel
Finish:	Superior epoxy and polyester dual coat finish
Lens:	Integrated PC Optic/Lens, Glass Lens Cover, PC Lens Cover

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%)

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)

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		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications

Ordering Information

F1	-	☐	-	☐	-	☐	-	☐	-	☐	-	☐	-	☐	-	N	-	☐	-	☐	-	N
Product Series		Cert.		Lens		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls/ Dimming		Mounting Options		Hardware		Termination		Finish		None

Product Series

F1	ProSite Floodlight F1 Model

Certification

D	UL 844
U	UL 1598 / CSA

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*

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

CCT & CRI

B	Cool White 5000K - 70 CRI
L	Neutral White 4000K - 70 CRI
W	Warm White 2700K - 80 CRI

*Amber options available

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)

Lumen Type

B	12,000 Lumens
C	18,000 Lumens
E	24,000 Lumens
F	30,000 Lumens

Controls/Dimming

D	0-10V / DALI
J	Dialight IntelliLED Wireless Controls 2.4GHz
S	Receptacle with Shorting Cap (non-hazardous only)

Mounting Options

E	316 SS Angled Bracket
F	316 SS Straight Bracket
S	Slipfitter (1-1/4" - 2-3/8" OD)*

*For Slipfitter mounting UL844 models are only rated up to CID2 (A, B, C & D)

Hardware

N	No Option

Termination

U	6mm² Terminal Block - Screw Down*
V	4mm² Terminal Block - Push Down

*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.

Finish

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

None

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
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.
CCT - For 4000K 70 CRI change 6th character to 'L', for 2700K 80 CRI change 6th character to 'W'. Amber options available.
Lens - For glass lens cover change 4th character to '7', for PC lens cover change 4th character to a '4'.
Surge Protection - For 120-277 VAC / 120-250 VDC 10kV surge protection change 7th character to '8', for 347-480VAC 10kV surge protection change 7th character to '9'.
PE Cell - For NEMA PE Cell Receptacle with shorting cap change 9th character to 'S'.
Mounting Bracket - Angled Bracket supplied as standard - for straight bracket change 10th character to 'F', for slip fitter change 10th character to 'S'.

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Ordering Information

ProSite LED Floodlight - UL / CSA

Hazardous - UL 844 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

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.
CCT - For 4000K 70 CRI change 6th character to 'L', for 2700K 80 CRI change 6th character to 'W'.
Lens - For PC lens cover change 4th character to a '4' (CID2, CIII only).
Mounting Bracket - Angled Bracket supplied as standard - for straight bracket change 10th character to 'F', for slip fitter change 10th character to 'S'.

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ProSite LED Floodlight - UL / CSA

F2 Models

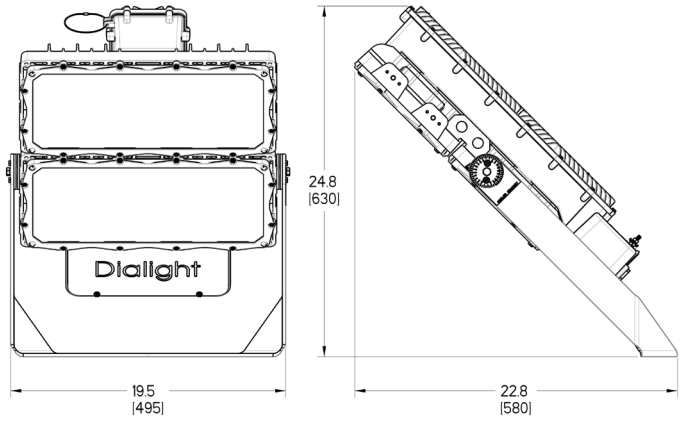
Patent Pending

Certifications & Ratings

- 10 year warranty
- UL 1598/A / CSA C22.2 No. 250.0
- UL 844 / CSA C22.2 No. 137 / NOM
  - Class I, Division 2 (Groups A, B, C, D)
  - Class I, Zone 2 (Groups IIC)
  - Class II, Division 2 (Groups E, F, G)
  - Zone 22
  - Class III
  - CIID1 - Pending*
- 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

*Values based on preliminary data awaiting validation or certification.

Angled Bracket



Dimensions in inches [mm]

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: Optional:	6KV/3KA combination wave, as per IEEE C62.41, line-line and line-ground. 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 (up to 36k only) / 0-10VDC

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

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%)

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)

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ProSite LED Floodlight - UL / CSA

F2 Models

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

Specifications

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

Certification

D	UL 844
U	UL 1598 / CSA

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

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

CCT & CRI

B	Cool White 5000K - 70 CRI
L	Neutral White 4000K - 70 CRI
W	Warm White 2700K - 80 CRI

*Amber options available

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)

Lumen Type

F	30,000 Lumens
H	36,000 Lumens
L	48,000 Lumens
N	60,000 Lumens

Controls/Dimming

D	0-10V / DALI as standard (DALI available up to 36klm models)
J	Dialight IntelliLED Wireless Controls 2.4GHz (Available up to 36klm models)
S	Receptacle with Shorting Cap (non-hazardous only)

Mounting Options

E	316 SS Angled Bracket
F	316 SS Straight Bracket

Hardware

N	No Option

Termination

U	6mm² Terminal Block - Screw Down*
V	4mm² Terminal Block - Push Down

*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.

Finish

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

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.
CCT - For 4000K 70 CRI change 6th character to 'L', for 2700K 80 CRI change 6th character to 'W'. Amber options available.
Lens - For glass lens cover change 4th character to '7', for PC lens cover change 4th character to a '4'.
Surge Protection - For 120-277VAC/120-250VDC 10kV surge protection change 7th character to '8', for 347-480VAC 10kV surge protection change 7th character to '9'.
PE Cell - For NEMA PE Cell Receptacle with shorting cap change 9th character to 'S'.
Mounting Bracket - Angled Bracket supplied as standard - for straight bracket change 10th character to 'F'.

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Ordering Information

ProSite LED Floodlight - UL / CSA

Hazardous - UL 844 CID2, CIID2, CIII							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
36,000lm Models							
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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-7FB2-NDEN-VGN	60,100	484	124	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
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-7FB5-NDEN-VGN	60,100	499	120	347-480VAC	5000k (cool white)	Glass	Asymmetric

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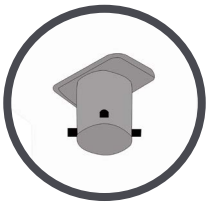
Accessories

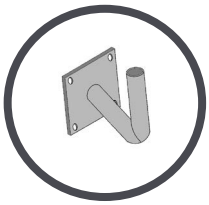
ProSite LED Floodlight - UL / CSA

Mounting Accessories - Gray



FLX-1TPT-20LG[1]

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



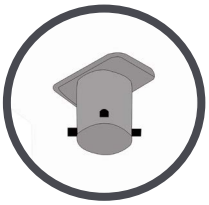
FLX-1RAB-20LG

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

FLX-2LBH-20LG

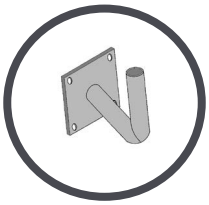
- Bull horn for 2 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws

Mounting Accessories - Bronze



FLX-1TPT-20DB[1]

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



FLX-1RAB-20DB

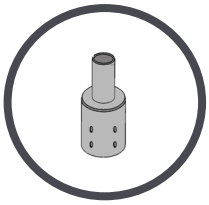
- Right angle mounting bracket for 2-3/8" light mount
- Kit includes: Right angle bracket

FLX-2LBH-20DB

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

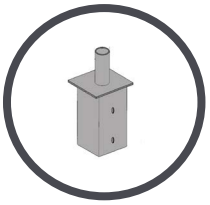
FLX-3LBH-20DB

- 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

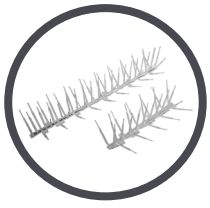
- F2 visor asymmetric optics

H6XCAB72[2]

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

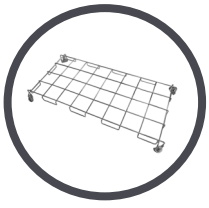
H6XCAB60[2]

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



F1SPIKES
F2SPIKES

- Bird spikes



FLWG

- Wire guard
- Kit includes (1) assembly

[1]Brackets and adapters require the tenon pole topper (FLX-1TPT-20DB/LG) to mount floodlight. Tenon pole topper sold separately.
[2]F1 models require 1 cable per unit. F2 models require 2 cables per unit.

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Accessories & Beam Distribution

ProSite LED Floodlight - UL / CSA

Replacements

SLPC01R
- Photocell, 105-305 VAC

SLPC02R
- Photocell, 312-382 VAC

SLPC03R
- Photocell, 432-528 VAC

FLWIRELESS
- Wireless controls card

FLGLASSLG
- Glass lens, grey

FLGLASSLZ
- Glass lens, bronze

FLPCLG
- Polycarb lens, grey

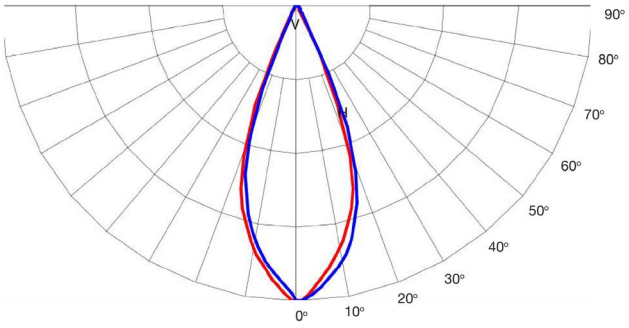
FLPCLZ
- Polycarb lens, bronze

- Kit includes (1) assembly

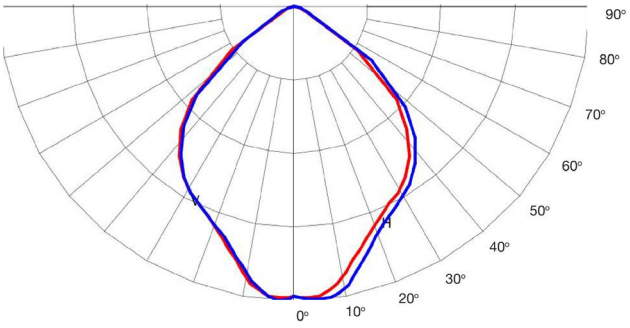
FL10KV277
- 10kV surge protection 100-277V

FL10KV480
- 10kV surge protection 347-480V

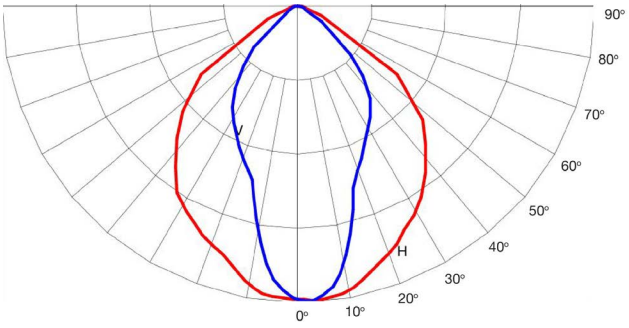
NEMA 4



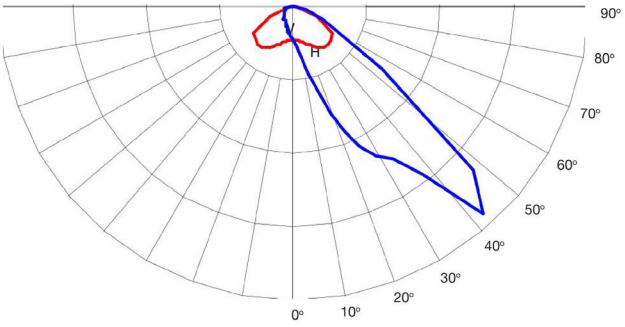
NEMA 6



NEMA 7x6



Asymmetric



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Reliant™ LED High Bay

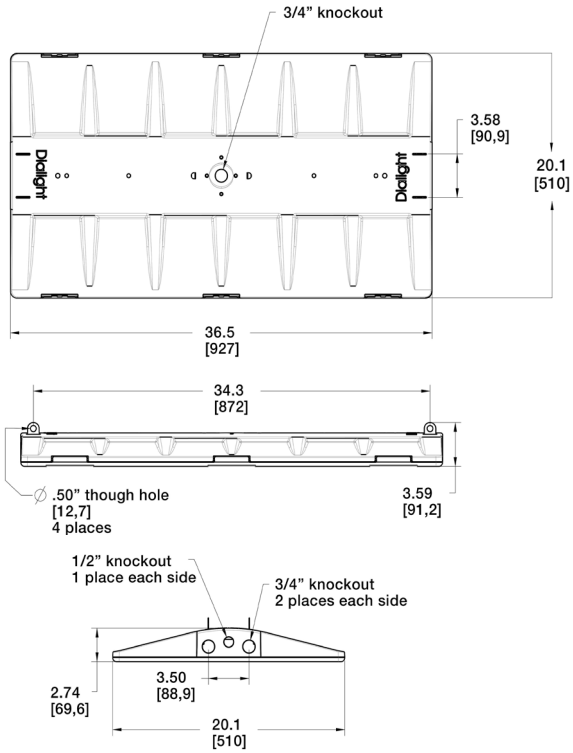
100-277 VAC, 347-480 VAC

Certifications & Ratings

- UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- Damp location
- L90 rated for >100,000 hours @ 25ºC
- 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%

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%)

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.

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		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications

Ordering Information

RH	-	U	-		-		-		-		-		-		-		-	N	-	G	-	
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
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)
G	Occupancy Sensor, Bluetooth FSP-3x1
J	IntelliLED™ Wireless Controls

Configuration

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

Hardware Accessories

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

Electrical Accessories

N	No Option

Finish

G	Gray

Battery

F	Standard Battery Backup - 5W 120-277 VAC Fixtures ONLY
G	Battery Backup - 10W 120-277 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.

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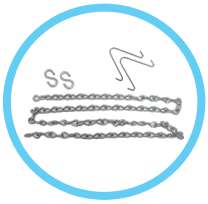
Mounting Accessories

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

- ¾” 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-SBS

- Side-by-side tandem kit
- Includes 304 stainless steel brackets, hardware, and wire harnesses

RH-TANBRKT-E2E

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

Additional Accessories

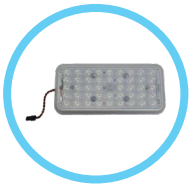
For use as replacement parts or for field customized projects.

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)

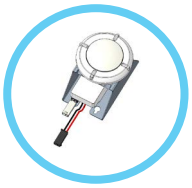
- Direct up-lighting kit - set of 2
- For use with 18k, 24k, 48K models

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 wth 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 FHSBATL3-1.5-SD battery pack

RH-EBU-1500

- 10W battery backup kit (~1,500 lumens)
- Fulham FHSCP-UNV-10P-L-SD driver
- Fulham FHSBATL3-3-SD battery pack

NOT for use with 480V fixtures
Factory installed power cord is not available with Battery Back-up option

MODEL	RH-WIRELESS-1	RH-WS-OCC-321	RH-WS - OCC 212	RH-UPL-CWC (CW)	RH-UPL-NWC (NW)	RH-10K V-277	RH-10KV-480	RH-EBU-800	RH-EBU-1500
100-277 VAC	✓	✓	✓	✓	✓	✓		✓	✓
347-480 VAC	✓	✓		✓	✓		✓		

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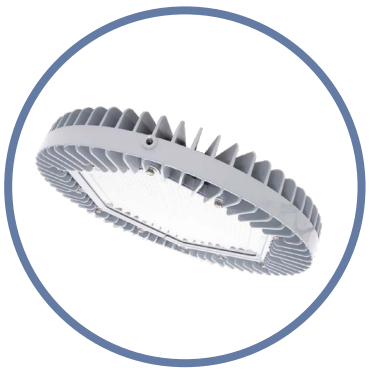
Vigilant® Ultra-Efficient LED High Bay - UL / CSA

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 STOOW / 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

Certifications & Ratings:

10 year warranty

UL 1598/A	CSA C22.2 No. 250.0-08
UL 8750	NEMA 4X
IP66/67	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:	-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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy primer
Lens:	See table

Photometric Information:

CRI:	80, 70
CCT:	5000K (cool white) 4000K (neutral white)

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

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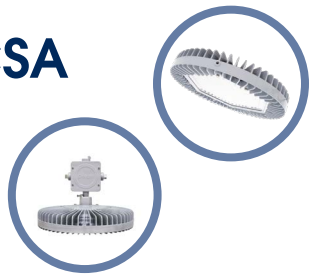
Vigilant® Ultra-Efficient LED High Bay - UL / CSA

Ordering Information



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

Specifications

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

V	Vigilant® Ultra-Efficient

Junction Box

C	Wiring Box
E	No Junction Box

Certification

U	UL 1598/A, CSA, NOM

Lens Material

4	Polycarbonate - Clear
7	Tempered 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 Type[1]

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'[2]

Mounting Options

H	Hook
N	3/4" NPT
P	Secondary Retention Bracket

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, 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.

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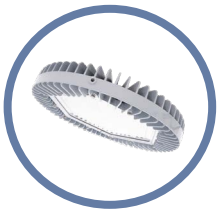
Vigilant® Ultra-Efficient LED High Bay - UL / CSA

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

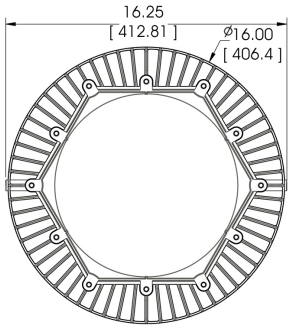
Mechanical Information:

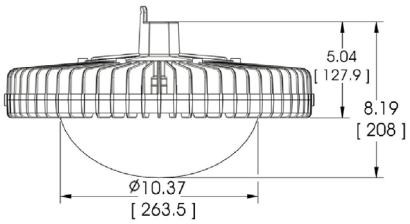
Fixture weight:
18 lbs (8.16kg)

Shipping weight:
24 lbs (10.8kg)

Mounting:
3/4" NPT - top
Various Kits

Power Cord:
10' 18 AWG STOOW/SOOW





Integrated Wiring Box Model

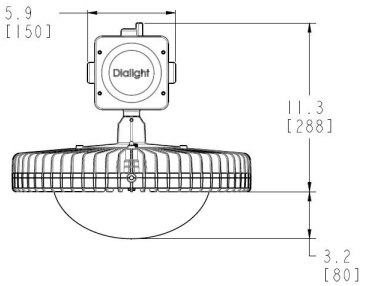
Mechanical Information:

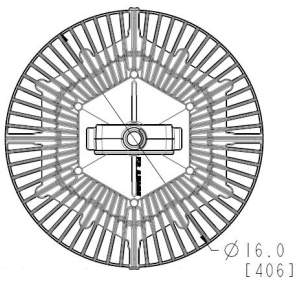
Fixture weight:
20 lbs (9 kg)

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	CSA C22.2 No. 250.0-08
UL 8750	NEMA 4X
IP66/67	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
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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy primer
Lens:	See table

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		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications

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

V	Vigilant® Ultra-Efficient

Junction Box

C	Wiring Box
E	No Junction Box

Certification

U	UL 1598/A

Lens Material

2	Acrylic - Clear (dry location only)[2]
3	Acrylic - Diffused (dry location only)[2]
4	Polycarbonate - Clear
5	Polycarbonate - Diffused
L	Polycarbonate Dome - Diffused

Beam Distribution

U	Ultra Wide

CCT & CRI

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

Operating Voltage

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

Lumen Type[1]

6	6,100 Lumens
9	9,000 Lumens
B	13,400 Lumens
C	16,600 Lumens

Controls

D	Continuous Dimming
J	IntelliLED Wireless Controls
N	No Option
Q	Microwave Occ Sensor 40'[3]

Mounting Options

H	Hook
N	Pendant 3/4" NPT
P	Pendant 3/4" NPT with Safety Retention Tabs
R	Safety Retention Tabs with Hook

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 polycarbonate done 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:

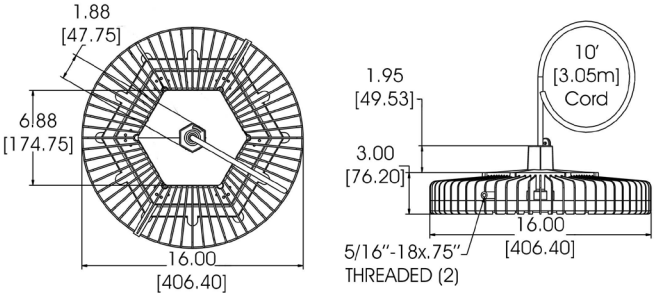
Fixture weight:
18 lbs (8.16kg)

Shipping weight:
24 lbs (10.8kg)

Mounting:
3/4" NPT - top
Various Kits

Power Cord:
10' 18 AWG STOOW/SOOW

Patent pending



Integrated Wiring Box Model

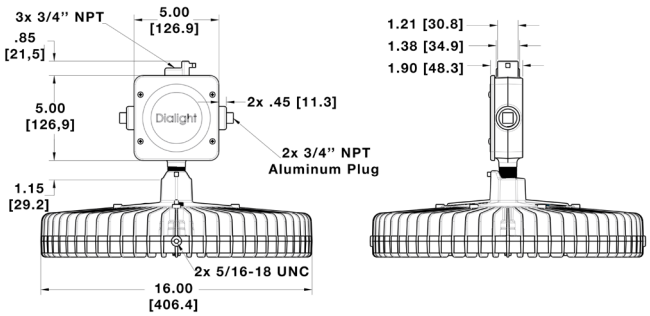
Mechanical Information:

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	CSA C22.2 No. 250.0-08
UL 8750	NEMA 4X
IP66/67	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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy primer
Lens:	See table

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		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications

Ordering Information

	-	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

HC	High Bay Integrated Pendant Wiring Box
HE	High Bay 3/4" NPT

Certification

U	UL 1598/A, CSA

Lens Material

2	Acrylic - Clear (dry location only)
4	Polycarbonate - Clear
7	Glass - Clear
L	Polycarbonate Dome - Diffused
R	Power Wash Glass, Clear

Beam Distribution

E	Oval
M	Medium
N	Narrow
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
5	347-480 VAC

Lumen Type

A	11,600 Lumens
B	14,900 Lumens
C	19,800 Lumens
E	27,500 Lumens

Controls

D	Dimming (0-10V)
N	No Dimming (HE only)
M	Occupancy Sensor (HC only)

Mounting Options

H	Hook
N	Pendant 3/4" NPT
P	Pendant 3/4" NPT with Safety Retention Tabs
R	Safety Retention Tabs with Hook

Power Cable

N	No Cord (HC only)
W	10' [3 meter] Power Cable (HE only)

Electrical Accessories

N	No Plug

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

Corded Model - 3/4” Conduit - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
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-E**N**NW-NGN becomes HEU-7MC2-E**D**NW-NGN.
Acrylic lens is dry location only.

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Ordering Information

Vigilant® LED High Bay - Integrated Wiring Box Model

Integrated Wiring Box Model - 3/4" Conduit - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
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:

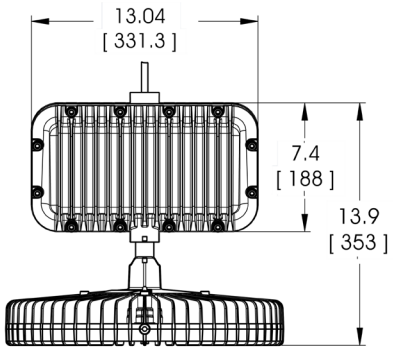
Fixture weight:
40 lbs (18 kg)

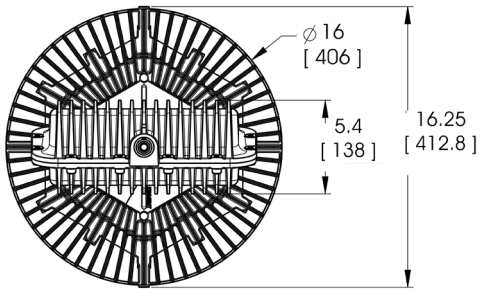
Shipping weight:
45 lbs (20 kg)

Mounting:
3/4" NPT - top
Various Kits

Power cord:
10" 18 AWG STOOW/SOOW

Patent pending





Dimensions in inches (mm)

Certifications & Ratings:

10 year warranty

UL 1598/A	CSA C22.2 No. 250.0-08
UL 8750	NEMA 4X
IP66	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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy primer
Lens:	See table

Photometric Information:

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

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.

Vigilant® LED High Bay - UL / CSA

Passive Power Supply Model - 347 & 480 VAC

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

Specifications

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

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

U	UL 1598/A, CSA

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
L	Polycarbonate Dome - Diffused
R	Power Wash Glass, Clear

Operating Voltage

P	480 VAC Passive
Q	347 VAC Passive

Mounting Options

H	Hook
N	Pendant 3/4" NPT
P	Pendant 3/4" NPT with Safety Retention Tabs
R	Safety Retention Tabs with Hook

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

Vigilant® LED High Bay - Passive Power Supply Model

Passive Power Supply Model - 347 VAC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
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

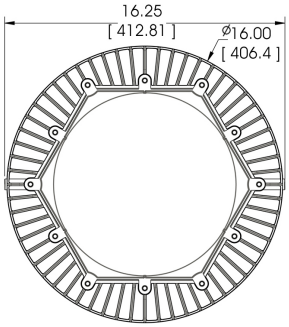
Mechanical Information:

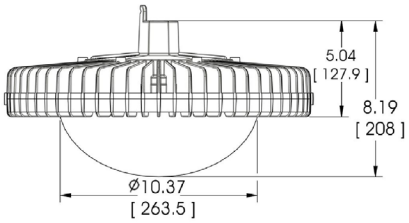
Fixture weight:
18 lbs (8.16kg)

Shipping weight:
24 lbs (10.8kg)

Mounting:
3/4" NPT - top
Various Kits

Power Cord:
10' 18 AWG STOOW/SOOW





Integrated Wiring Box Model

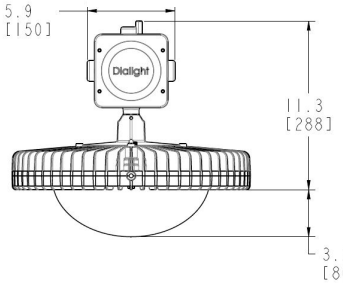
Mechanical Information:

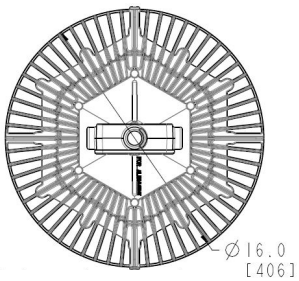
Fixture weight:
20 lbs (9 kg)

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	CSA C22.2 No. 250.0-08
UL 8750	NEMA 4X
IP66/67	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 C62.41 347-480VAC 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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy primer
Lens:	See table

Photometric Information:

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

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.

Vigilant® LED Low Bay - UL / CSA

Corded & Integrated Wiring Box

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

Specifications

Ordering Information

	-	U	-		-	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

U	UL 1598/A

CCT & CRI

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

Controls

D	Dimming (0-10V)
M	Occupancy Sensor (LC only)
N	No Option (LE only)

Electrical Accessories

N	No Plug

Lens Material

2	Acrylic - Clear (dry location only)
3	Acrylic - Diffused (dry location only)
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 with Safety Retention Tabs
R	Safety Retention Tabs with Hook

Coatings

G	Gray (RAL 7040)

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

Corded Model - 3/4” Conduit - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Power Cable
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

Integrated Wiring Box Model - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Power Cable
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%)

Specification sheets with additional options available, with extended lead times, are available on page 10

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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

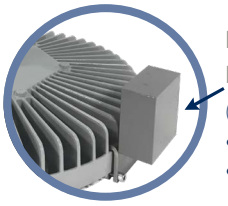
HBXW3-SSL-316
HBXW3-SSL-304
- Stainless steel bracket

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

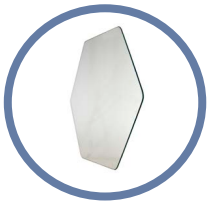
HBXSB316
- Stainless Steel (4x)

HBXCG
- Cable gland

HBXCU
- Ceiling / wall mount

LBXLENP
- Polycarbonate dome lens replacement

HBXDUALBRCKT
- Dual bracket



HBXLENGC
- Clear tempered glass

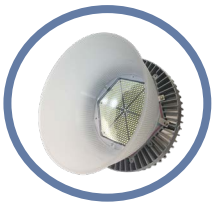
HBXLENPC
- Polycarbonate lens, clear

HBXLENAC
- Acrylic lens, clear

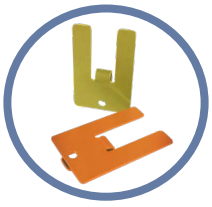
HBXLENPD
- Polycarbonate lens, diffused

HBXLENAD
- Acrylic lens, diffused

HBXLENGD
- Diffused tempered glass



HBXREF16
- Acrylic reflector



HBXFLAG-Y
HBXFLAG-O
- Yellow Aluminum
- Orange Aluminum
- Comes with 10 indicator flags

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

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

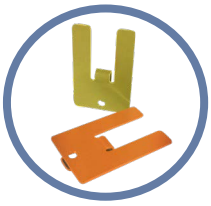
HBXCU
- Ceiling / wall mount

HBXCG
- Cable gland

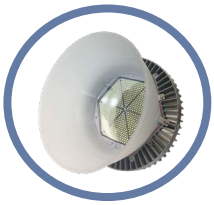
HBXL
- Loop

HBXSB
- Stainless Steel (4x)

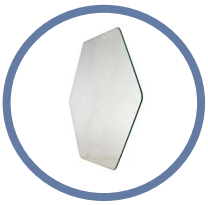
HBXCAB48
- 48” long stainless steel safety rope (for use with safety bracket)



HBXFLAG-Y
HBXFLAG-O
- Yellow Aluminum
- Orange Aluminum



HBXREF16
- Acrylic reflector



HBXLENGC
- Clear tempered glass

LBXLENP
- Polycarbonate dome lens

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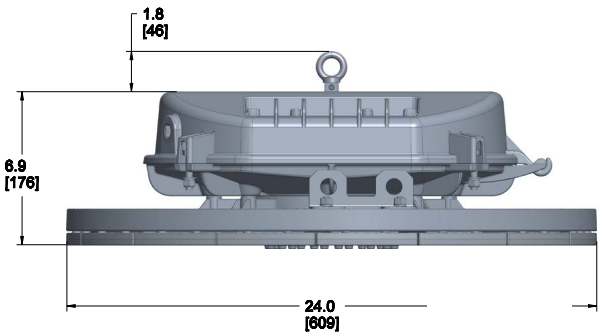
Vigilant® LED High Output High Bay - Low Profile

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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy primer
Lens Options:	Glass, Acrylic or Polycarbonate

Photometric Information:

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

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.

Vigilant® LED High Output High Bay - Low Profile

120-277 VAC, 347 or 480 VAC Models

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

Specifications

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

Certification

U	UL 1598, UL 1598/A

Lens Material

2	Acrylic - Clear
4	Polycarbonate - Clear
7	Glass - Clear

Beam Distribution

M	Medium
N	Narrow

CCT & CRI

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

Operating Voltage

2	120-277 VAC
3	208 VAC (w/ fuseblock)
B	347 VAC (w/ fuseblock)
D	480 VAC (w/ fuseblock)

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.

Controls

D	Dimming (0-10V)

Mounting Options

H	Hook
N	No Option*

* 3 - ¾" threaded entries; 1 pendant and 2 through-feed perimeter are standard

Cables

N	No Cable (Standard)
W	10' (3 meter) Power Cable

Plugs

N	No Option*

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

Finish

G	Gray (RAL 7040)

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-7M**C**2-RDNN-NGN becomes H7U-7M**N**2-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

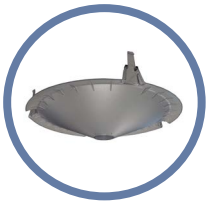
All values typical unless otherwise stated (tolerance +/- 10%).
Neutral white color temperature is available for products in the above table. Replace the sixth character C with N. Ex: H7U-7MCD-RDNN-NGN becomes H7U-7MND-RDNN-NGN.

Mounting Accessories

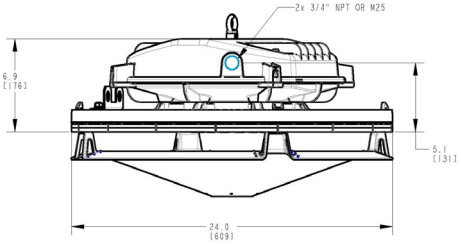
H6XCAB72
- 72" stainless steel safety rope

H6XCAB60
- 60" stainless steel safety rope

H6X-H
- Hook



H6XDIFFUSER
- Diffuser
- Patent pending



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Vigilant® LED Area Light

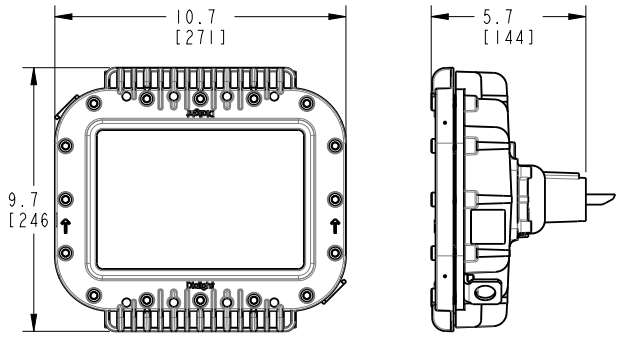
100-277 VAC, 120-250 VDC

Certifications & Ratings*

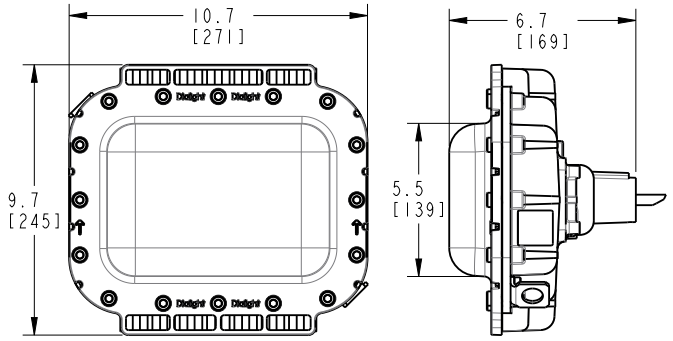
- 10 year warranty
- L70 > 150,000 hours @ 65°C
- UL 1598/A
- CSA C22.2 No. 250
- NOM
- IP66 / 67 / 69
- NEMA 4X
- Factory sealed

*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 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

Construction:

Housing:	Copper-free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
Lens:	Hard-coated polycarbonate Tempered glass

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%)

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.

Vigilant® LED Area Light

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

Universal Mounting Adapter

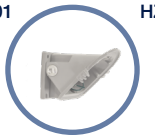
For use with HZXW01, HZXW45, HZXS45 or HZXFM brackets sold separately

HZXW01

HZXS45

HZXS90 / HZXT90

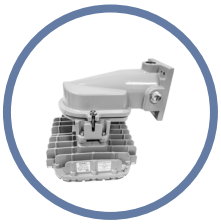
HZXCV34



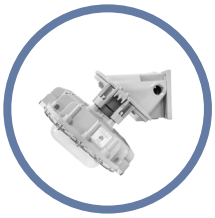
HZXW45

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 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

Construction:

Housing:	Copper-free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
Lens:	Hard-coated polycarbonate Tempered glass

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

AL	-	U	-		-		-		-	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

U	UL 1598/A CSA 22.2 No. 250.0

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
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
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

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

1) For DLC approved model, dimming option is required.
2) When ordering Beam Distribution **W** - Wide: Lumen Type = **7**.
3) When ordering Mounting Options "UMA" or "Retro-fit": Hardware Accessories = **N**
4) When ordering Mounting Option **U** - UMA Mounting Hub HZXW01, HZXW45, HZXS45, HZXS90, HZXT90, HZXFM or HZXCV34 are required. See page 28 for details.
5) Lumen outputs shown are for Tempered Glass lens, 360° optic. For additional options please see page 21.

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Ordering Information

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

100-277 VAC, 120-250 VDC Model								
Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
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

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

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
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

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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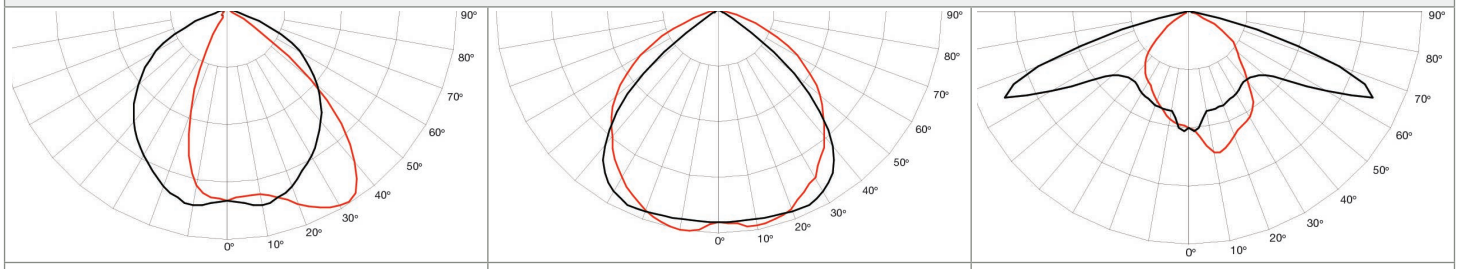
Vigilant® LED Area Light

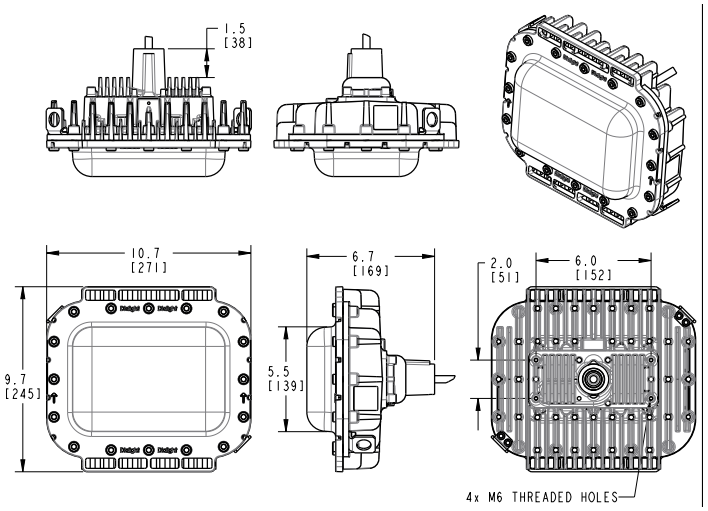
Beam Distribution & Dimensional Drawings

Beam Distribution

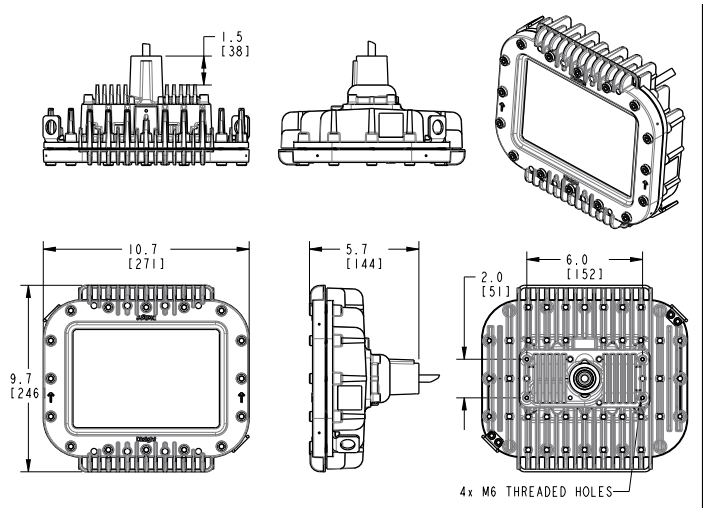


180°	360°	Wide

Polycarbonate Lens - Option 5



Tempered Glass Lens - Option 7



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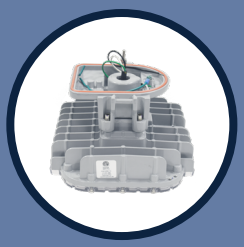
Vigilant® LED Area Light

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
HZXCV34

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

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

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

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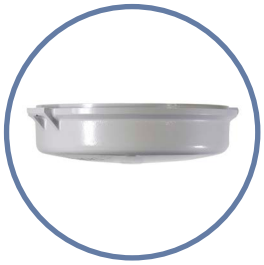
Vigilant® LED Area Light

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™
Holophane Petrolux® II, III
Thomas & Betts Hazlux®
Appleton® Mercmaster III
Appleton® Mercmaster II
Killark® Certilite® & Certilite® V

*Petrolux adapter available as a standalonne 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	

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° AngleStanchion**	**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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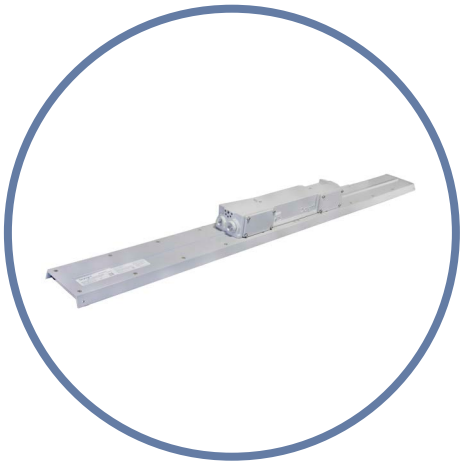
Vigilant® LED Linear

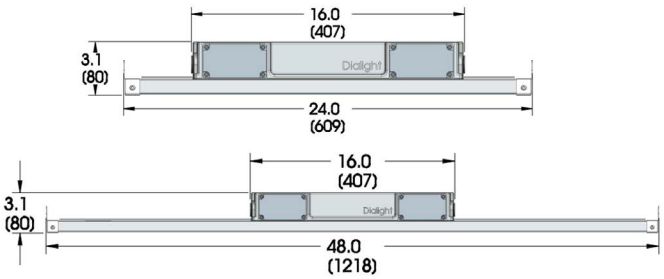
Low Profile - 10 year warranty



Certifications & Ratings

- UL 1598/A[1]
- CSA C22.2 No. 250[1]
- IP66/67
- NEMA 4X
- 2000 PSI hose-down rating[2]
- DLC Premium & Standard

[1]ETL listed
[2]Internally 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

Construction:

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

Photometric Information:

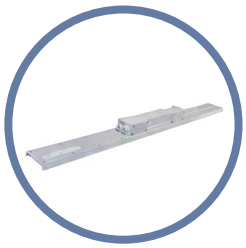
CRI:	80
CCT:	5000K (cool white) 4000K (neutral white)
IES files:	Available at www.dialight.com

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

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.

Ordering Information

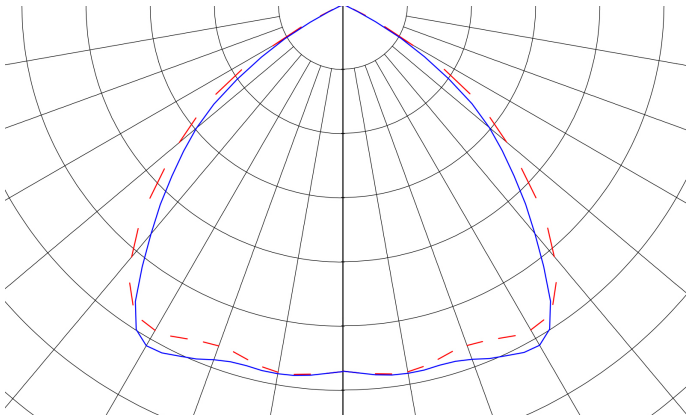
Vigilant® LED Linear - Low Profile - 10 year warranty



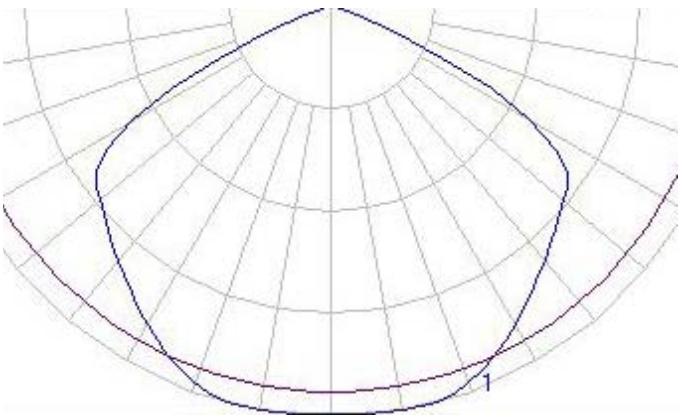
Part Number (*x* = CCT placeholder)	Length	CRI	Wattage	Fixture Lumens		lm/W		Voltage	Lens	Beam Distribution
				5000K	4000K	5000K	4000K			
LKU-4M(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LKU-5M(x)2-9DNN-NGN	4'	80	70	8,800	8,500	125	121	100-277 VAC / 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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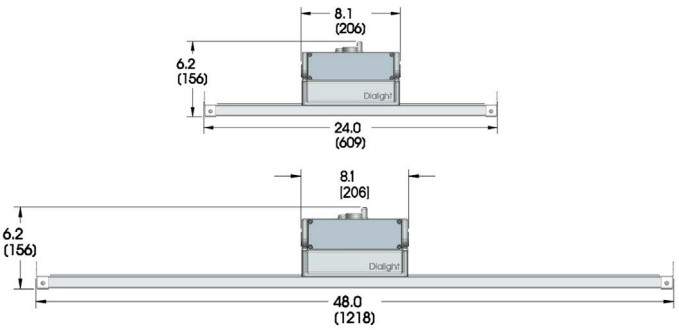
Vigilant® LED Linear

Top Conduit - 10 year warranty

Certifications & Ratings

- UL 1598/A[1]
- CSA C22.2 No. 250[1]
- IP66/67
- NEMA 4X
- 2000 PSI hose-down rating[2]
- DLC Premium & Standard

[1]ETL listed
[2]Internally 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

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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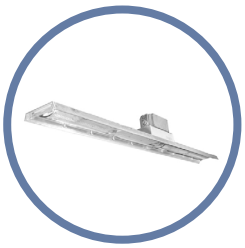
Ordering Information

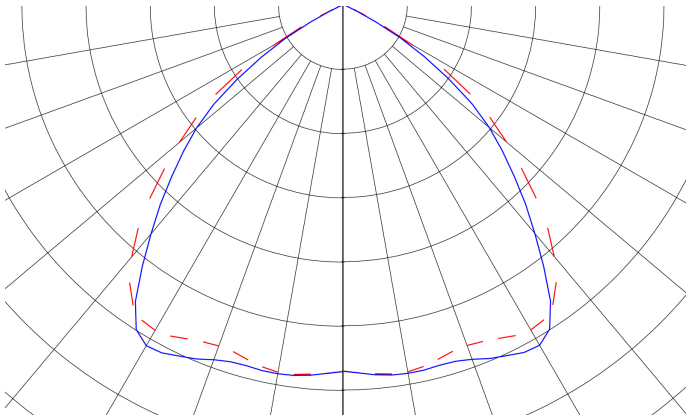
Vigilant® LED Linear - Top Conduit - 10 year warranty



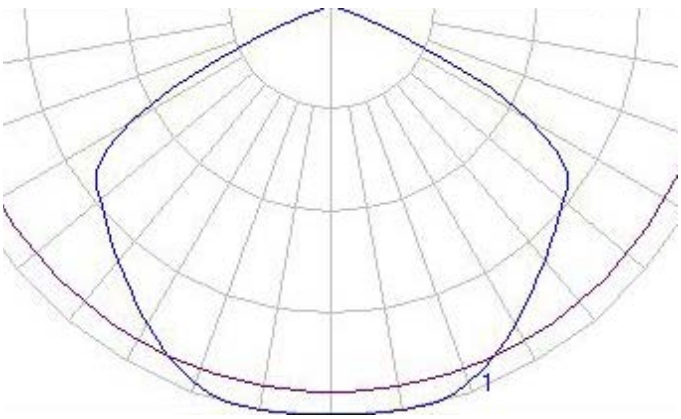
Part Number (*x* = CCT placeholder)	Length	CRI	Wattage	Fixture Lumens		lm/W		Voltage	Lens	Beam Distribution
				5000K	4000K	5000K	4000K			
LHU-4M(x)2-9DNN-NGN	4'	80	70	9,600	9,300	137	132	100-277 VAC / 120-250 VDC	Clear Polycarbonate	Medium
LHU-5M(x)2-9DNN-NGN	4'	80	70	8,800	8,500	125	121	100-277 VAC / 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 Area Light

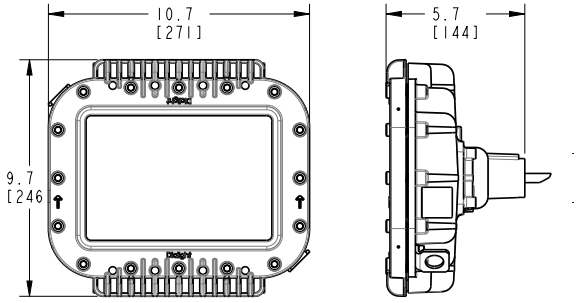
347/480 VAC

Certifications & Ratings*

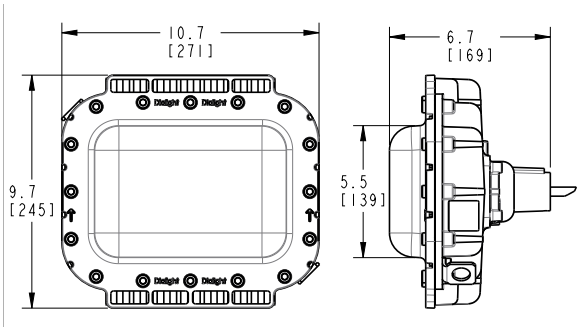
- 5 year warranty
- L70 > 100,000h @ 25°C
- UL 1598/A
- CSA C22.2 No. 250
- NOM
- IP66 / 67
- NEMA 4X

*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’ STOOW 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

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		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications

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

AL	Area Light

Certification

U	UL 1598/A CSA 22.2 No. 250.0

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
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
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

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

1) When using "UMA" or "Retro-fit" mounting options, Hardware Accessories = **N**.

2) Not all lumen options available for all voltage options, consult table.

3) When ordering Mounting Option **U** - UMA Mounting Hub HZXW01, HZXW45, HZXS45, HZXS90, HZXT90, HZXFM or HZXCV34 are required. See page 28 for details.

4) Lumen outputs shown are for Tempered Glass lens, 360° optic. For additional options please see page 21.

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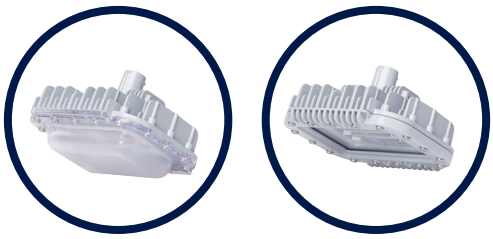
Ordering Information

DuroSite® LED Area Light - 347/480 VAC



347/480 VAC Model								
Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
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

See ordering chart for additional options.

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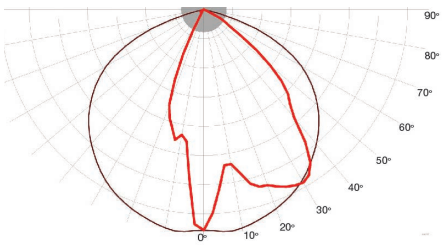
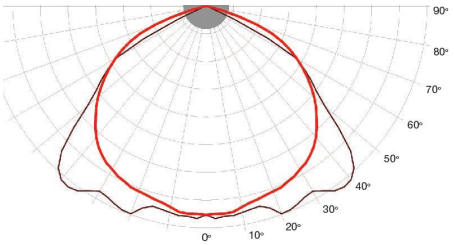
DuroSite® LED Area Light

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

Beam Distribution	
	
180°	360°

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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
HZXCV34

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

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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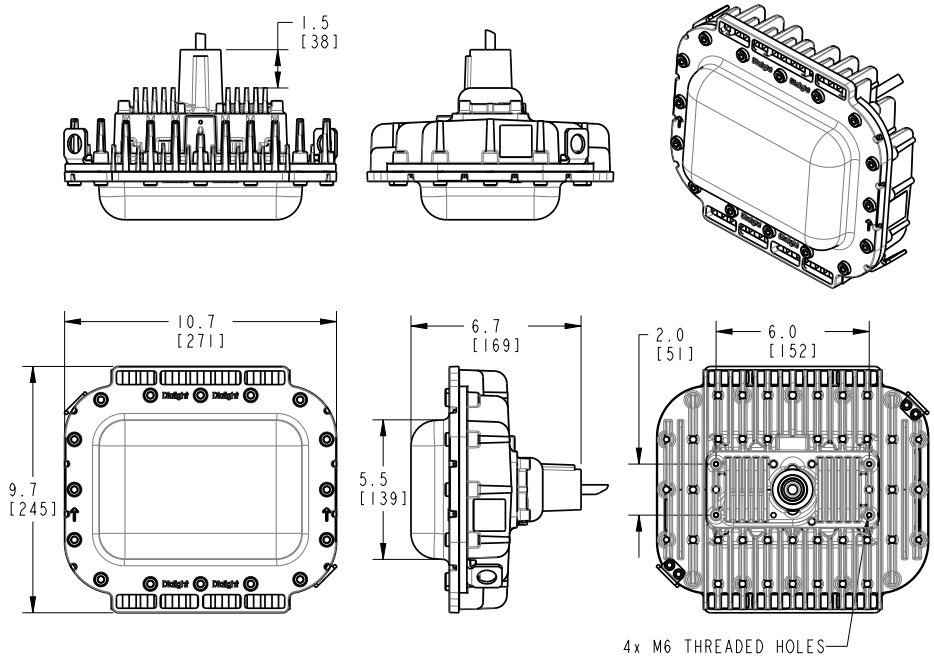
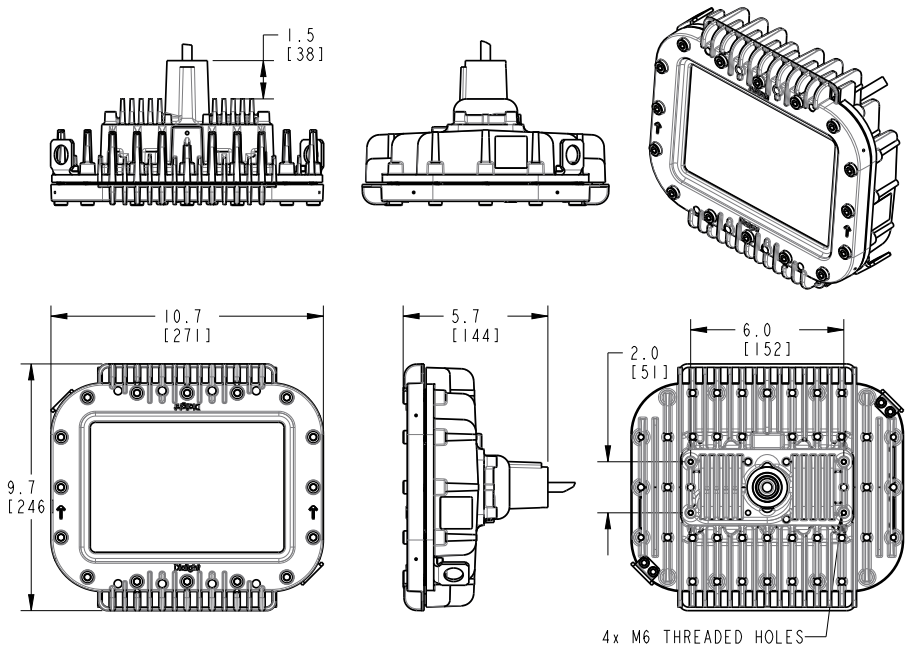
DuroSite® LED Area Light

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™
Holophane Petrolux® II, III
Thomas & Betts Hazlux®
Appleton® Mercmaster III
Appleton® Mercmaster II
Killark® Certilite® & Certilite® V

*Petrolux adapter available as a standalonne 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	

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

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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° AngleStanchion**	**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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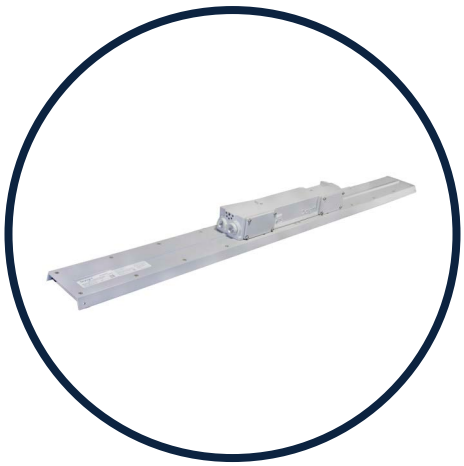
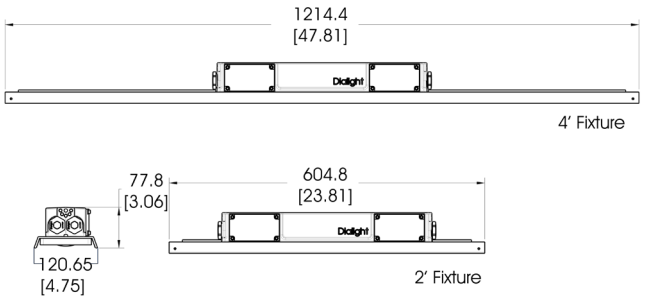
DuroSite® LED Linear - Low Profile

Technical Specifications





Dimensions in inches [mm]

Certifications & Ratings

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

*ETL listed

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

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

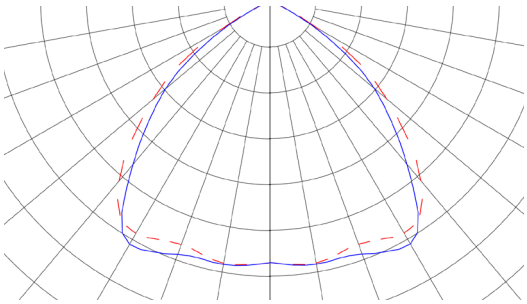
Ordering Information & Accessories

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. LPM3**C**4M2P becomes LPM3**N**4M2P.

Medium



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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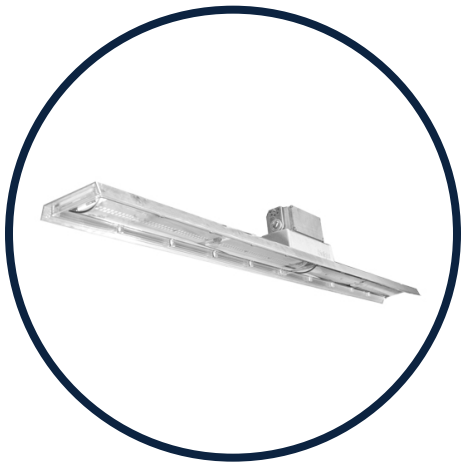
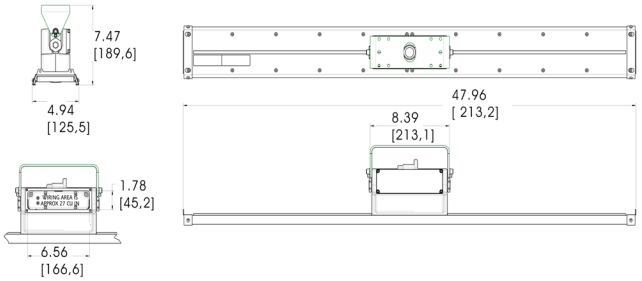
DuroSite® LED Linear - Top Conduit

Technical Specifications





Dimensions in inches [mm]

Certifications & Ratings

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

*ETL listed

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

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

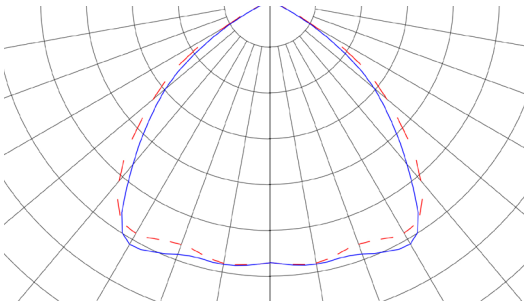
Ordering Information & Accessories

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. LTM3**C**4D2P becomes LTM3**N**4D2P

Medium



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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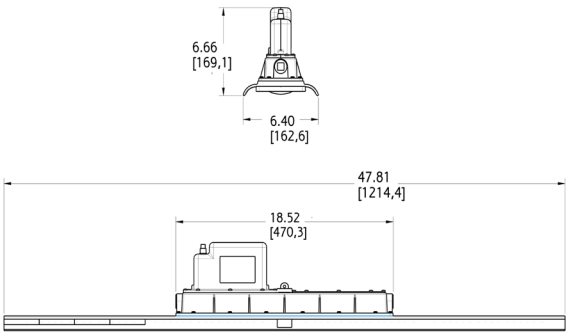
DuroSite® LED Linear - Battery Backup

Technology Specifications



Dimensions in inches [mm]

Certifications & Ratings*

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

*ETL listed

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

Construction:

Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
Lens[1]:	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%)

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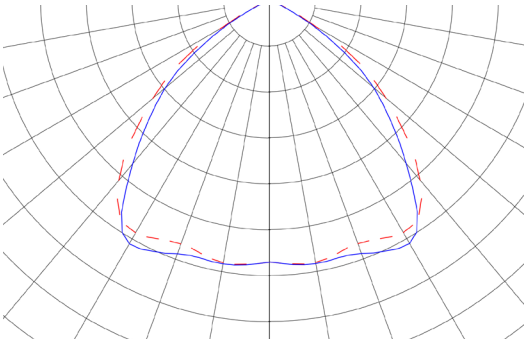
DuroSite® LED Linear - Battery Backup

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. LSM3**C**4MEP becomes LSM3**N**4MEP

Clear Lens



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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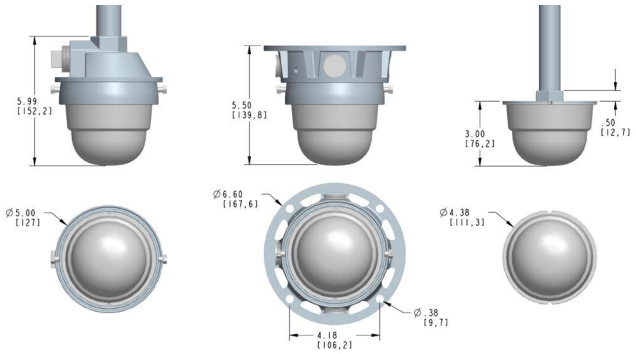
DuroSite® LED RTO Area Light

Technical Specifications

Certifications & Ratings

- 5 year warranty
- UL 1598
- IP66



RTO-0Wxx-001 RTO-0Wxx-005 RTO-0Wxx-004

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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy prime
Lens: polycarbonate	UV stabilized abrasion resistant

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:

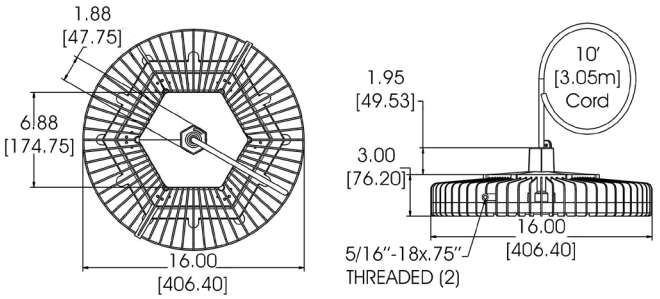
Fixture weight:
18 lbs (8.16kg)

Shipping weight:
24 lbs (10.8kg)

Mounting:
3/4" NPT - top
Various Kits

Power Cord:
10' 18 AWG STOOW/SOOW

Patent pending



Integrated Wiring Box Model

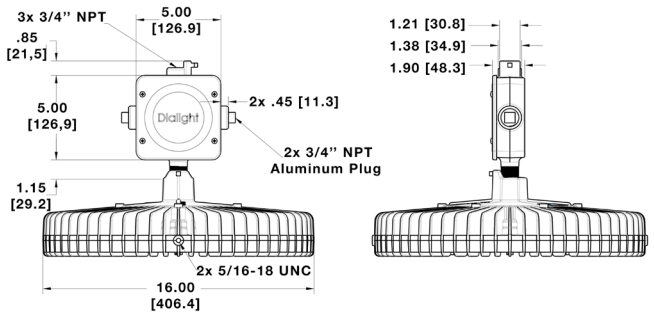
Mechanical Information:

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)

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) NEMA 4X
CSA 22.2 No. 137-M81 UL 8750
IP66/67 L70 rated for >150,000 hours
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

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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy primer
Lens:	See table

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		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications

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 Box[2]
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 Type[1]

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	3/4" NPT
P	Secondary Retention Bracket

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%)

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

Technical Information

Corded Model

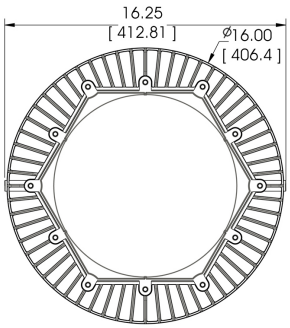
Mechanical Information:

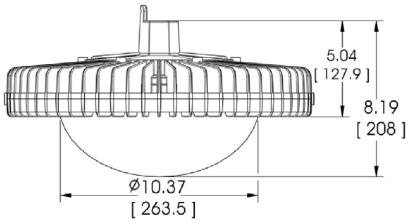
Fixture weight:
18 lbs (8.16kg)

Shipping weight:
24 lbs (10.8kg)

Mounting:
3/4" NPT - top
Various Kits

Power Cord:
10' 18 AWG STOOW/SOOW





Integrated Wiring Box Model

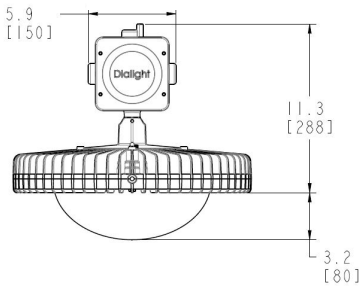
Mechanical Information:

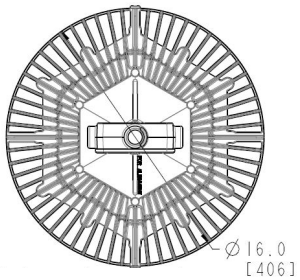
Fixture weight:
20 lbs (9 kg)

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

UL1598/A (wet locations)	CSA 22.2 No. 250.0-08
UL 8750	NEMA 4X
IP66/67	L70 rated for >150,000 hours

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

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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy primer
Lens:	See table

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® Ultra-Efficient LED Low Bay - UL / CSA

Ordering Information - Corded Model & Integrated Wiring Box Model

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

Specifications

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

Junction Box

C	Wiring Box[2]
E	No Junction Box

Certification

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

Lens Material

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

Beam Distribution

U	Ultra Wide

CCT & CRI

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

Operating Voltage

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

Lumen Type[1]

6	6,100 Lumens
9	9,000 Lumens
B	13,400 Lumens
C	16,600 Lumens

Controls

D	Continuous Dimming
J	IntelliLED Wireless Controls
N	No Option
Q	Microwave Occ Sensor 40'[3]

Mounting Options

H	Hook
N	Pendant 3/4" NPT
P	Pendant 3/4" NPT with Safety Retention Tabs
R	Safety Retention Tabs with Hook

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 polycarbonate done lens. 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 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)

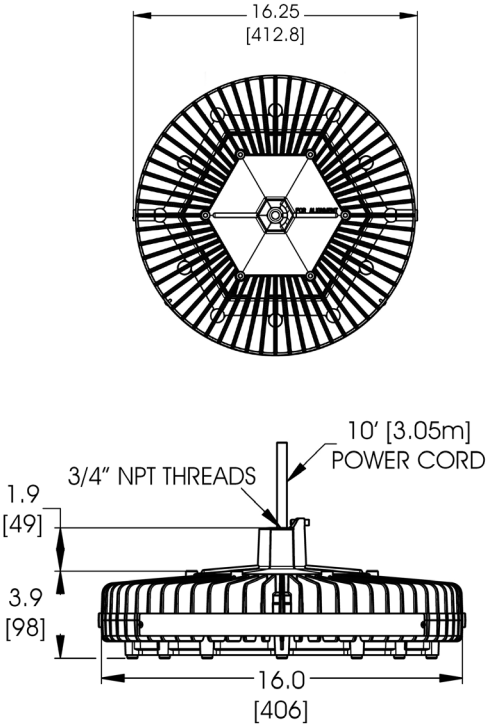
Shipping weight:
35 lbs (19 kg)

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) — NEMA 4X
CSA 22.2 No. 137-M81 — UL 8750
IP66/67 — L70 rated for >150,000 hours
Factory sealed

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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy primer
Lens:	See table

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		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications

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

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

Lens Material

7	Glass - Clear

Beam Distribution

E	Oval
M	Medium
N	Narrow
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

A	9,500 Lumens
B	12,500 Lumens
C	16,000 Lumens
E	23,500 Lumens

Controls

D	Dimming (0-10V)
N	No Option

Mounting Options

N	Pendant 3/4" NPT
P	Pendant 3/4" NPT with Safety Retention Tabs

Power Cable

W	10' [3 meter] Power Cable

Electrical Accessories

N	No Plug

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

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
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-CNVW-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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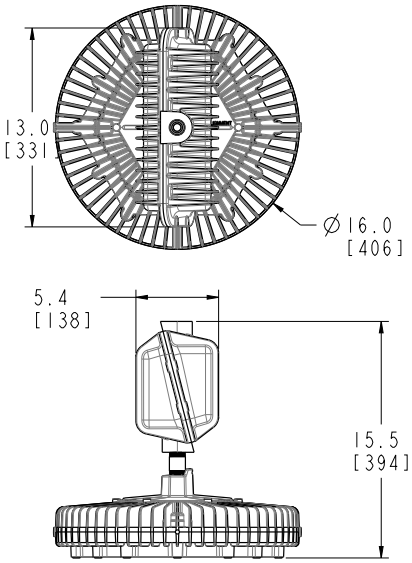
SafeSite® LED High Bay - UL / CSA

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

Patent pending

Certifications & Ratings:

- 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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
Lens:	See table

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		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications

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

Certification

C UL 844 CID1

M UL 844 CID1 Paint Spray

Lens Material

7 Glass - Clear

Beam Distribution

M Medium

CCT & CRI

C Cool White 5000K - 80 CRI

N Neutral White 4000K - 80 CRI

Operating Voltage

P 480 VAC

Q 347 VAC

Lumen Type[1]

A 9,500 Lumens

B 14,000 Lumens

C 18,000 Lumens

E 27,000 Lumens

Controls

N No Option

Mounting Options

N Pendant 3/4" NPT

P Pendant 3/4" NPT with Safety Retention Tabs

Power Cable

W 10' (3 meter) Power Cable

Electrical Accessories

N No Plug

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:

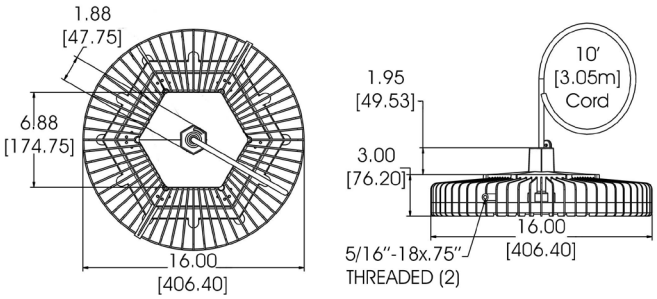
Fixture weight:
18 lbs (8.16kg)

Shipping weight:
24 lbs (10.8kg)

Mounting:
3/4" NPT - top
Various Kits

Power Cord:
10' 18 AWG STOOW/SOOW

Patent pending



Integrated Wiring Box Model

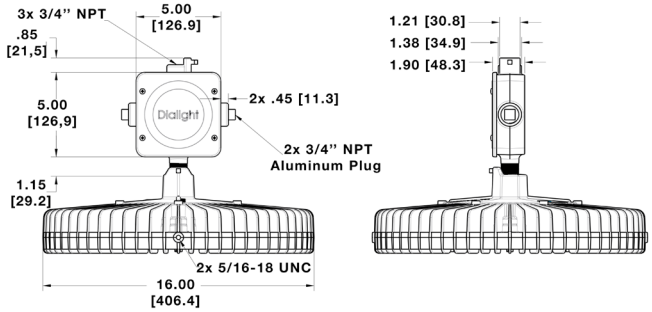
Mechanical Information:

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)

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) — NEMA 4X
CSA 22.2 No. 137-M81 — UL 8750
IP66/67 — L70 rated for >150,000 hours
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

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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy primer
Lens:	See table

Photometric Information:

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

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 High Bay - UL / CSA

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

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

Specifications

Ordering Information

	-	D	-		-		-		-		-		-		-		-		-	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

HC	High Bay Integrated Pendant Wiring Box
HE	High Bay 3/4" NPT

Certification

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

Lens Material

4	Polycarbonate - Clear
7	Glass - Clear
L	Polycarbonate Dome - Diffused
R	Power Wash Glass, Clear

Beam Distribution

E	Oval
M	Medium
N	Narrow
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
5	347-480 VAC

Lumen Type

A	11,600 Lumens
B	14,900 Lumens
C	19,800 Lumens
E	27,500 Lumens

Controls

D	Dimming (0-10V)
N	No Option

Mounting Options

H	Hook (HC only)
N	Pendant 3/4" NPT
P	Pendant 3/4" NPT with Safety Retention Tabs
R	Safety Retention Tabs with Hook (HC only)

Power Cable

N	No Cord (HC only)
W	10' [3 meter] Power Cable (HE only)

Electrical Accessories

N	No Plug

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

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

Corded Model - Class I, Div. 2 and Class I, Zone 2 - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
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-CNVW-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

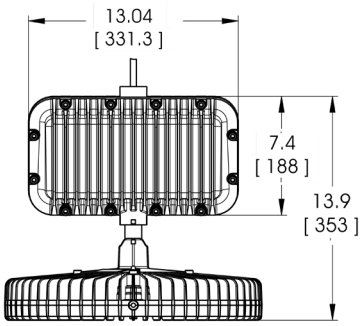
Mechanical Information:

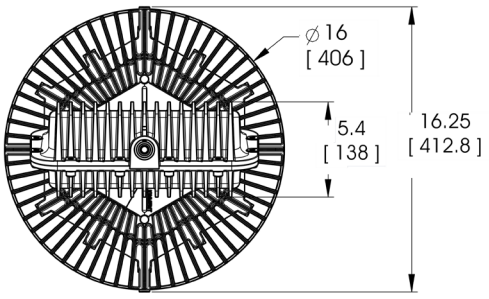
Fixture weight:
40 lbs (18 kg)

Shipping weight:
45 lbs (20 kg)

Mounting:
3/4" NPT - top
Various Kits

Patent pending





Dimensions in inches (mm)

Certifications & Ratings:

10 year warranty

UL 1598/A (wet locations)	CSA C22.2 No. 250.0-08
UL 8750	NEMA 4X
IP66	L70 rated for >150,000 hours

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

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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy primer
Lens:	See table

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		
Part Number:		
Project:		
Fixture Type:		Date:

Specifications

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

Certification

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

Lens Material

7	Glass - Clear
L	Polycarbonate Dome - Diffused
R	Power Wash Glass, Clear

Beam Distribution

M	Medium

CCT & CRI

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

Operating Voltage

P	480 VAC
Q	347 VAC

Lumen Type

A	11,300 Lumens
B	14,300 Lumens
C	18,000 Lumens
E	27,000 Lumens

Controls

N	No Dimming

Mounting Options

N	Pendant 3/4" NPT
P	Pendant 3/4" NPT with Safety Retention Tabs

Power Cable

W	10' (3 meter) Power Cable

Electrical Accessories

N	No Plug

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%)

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SafeSite® LED Low Bay - UL / CSA

Corded Model & Integrated Wiring Box Model

Corded Model

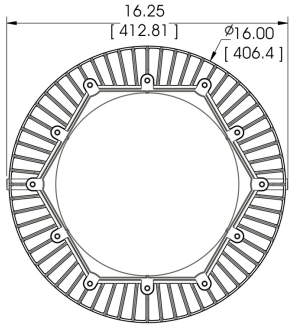
Mechanical Information:

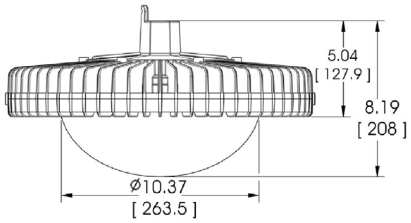
Fixture weight:
18 lbs (8.16kg)

Shipping weight:
24 lbs (10.8kg)

Mounting:
3/4" NPT - top
Various Kits

Power Cord:
10' 18 AWG STOOW/SOOW





Integrated Wiring Box Model

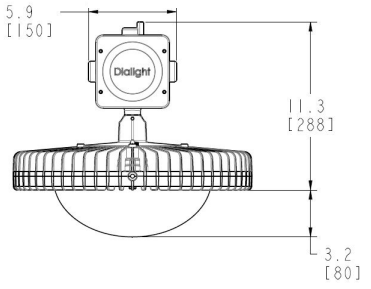
Mechanical Information:

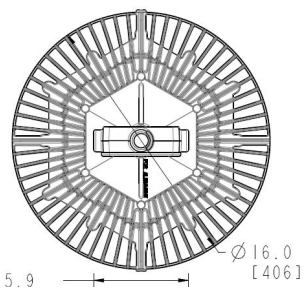
Fixture weight:
20 lbs (9 kg)

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 (wet locations)	CSA C22.2 No. 250.0-08
UL 8750	NEMA 4X
IP66/67	L70 rated for >150,000 hours

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

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:	-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

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish Sealed polyester topcoat Chemical-resistant epoxy primer
Lens:	See table

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® LED Low Bay - UL / CSA

Corded & Integrated Wiring Box

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

Specifications

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

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 (LC only)
N	Pendant 3/4" NPT
P	Pendant 3/4" NPT with Safety Retention Tabs
R	Safety Retention Tabs with Hook (LC only)

Option

N	No Option

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Ordering Information

Corded Model & Integrated Wiring Box Model

Corded Model - Class I, Div. 2 - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
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

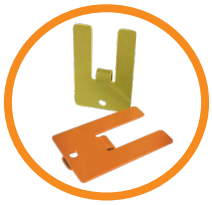
Suitable for:
CID1 • CID2

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 (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*

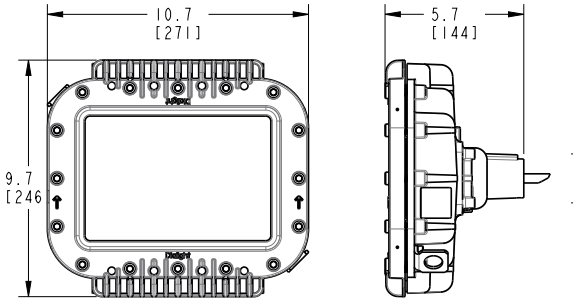
- 10 year warranty
- L70 > 150,000 hours @ 65°C
- UL 844, UL 1598/A
- CSA C22.2 No. 250
- CSA C22.2 No. 137-M81
- IP66 / 67 / 69
- NEMA 4X
- Factory sealed

ALD/ALF:

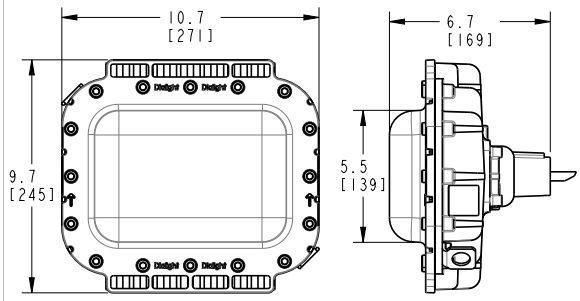
- Class I, Div. 2, Groups A, B, C, D
- Class I, Zone 2, Group IIC
- Class II, Div. 1, Groups E, F, G
- Zone 20 and 21
- Class II, Div. 2 Groups F, G
- Zone 22
- Class III, Div. 1 & 2

*ETL listed

Tempered Glass Lens



Polycarbonate Lens



Dimensions in inches [mm]

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 1.02mm 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

Construction:

Housing:	Copper-free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
Lens:	Hard-coated polycarbonate Tempered glass

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%)

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)

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

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

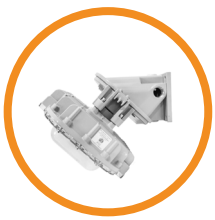
HZXCV34

HZXW45

HZXFM

Wall & Ceiling Mount

45° Wall Mount



45° Stanchion Mount

Ceiling Mount

Conveyor Mount

90° Stanchion Mount

Certifications & Ratings*

- 10 year warranty
- L70 > 150,000 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

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 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

Construction:

Housing:	Copper-free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
Lens:	Hard-coated polycarbonate Tempered glass

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%)

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)

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

100-277 VAC, 120-250 VDC

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

Specifications

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
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

1) For DLC approved model, dimming option is required.
2) When ordering Beam Distribution **W** - Wide: Lumen Type = **7.**
3) When ordering Mounting Options "UMA" or "Retro-fit": Hardware Accessories = **N.**
4) When ordering Mounting Option **U** - UMA Mounting Hub HZXW01, HZXW45, HZXS45, HZXT90, HZXFM or HZXCV34 are required. See page 28 for details.
5) 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

100-277 VAC, 120-250 VDC Model								
Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
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

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
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.

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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

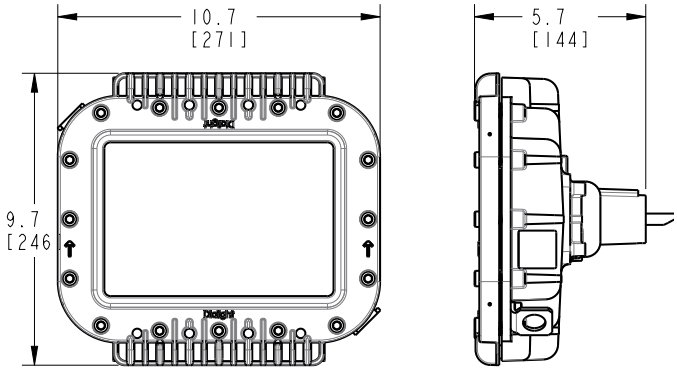
OR

- Class I, Division 1, Groups C-D Locations
- Class I, Zone 1, Group IIB

- 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

- Class II, Division 1, Groups E-G Locations
- Zone 21, Zone 22

*ETL listed



Dimensions in inches [mm]

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' STOOW 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

Construction:

Housing:	Copper-free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
Lens:	Tempered glass

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%)

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

Class I, Div. 1

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

Specifications

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

Class I, Div. 1 Model								
Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
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	360	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	360	No Option	Stainless Steel Adjustable Bracket

See ordering chart for additional options.

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SafeSite® LED Area Light

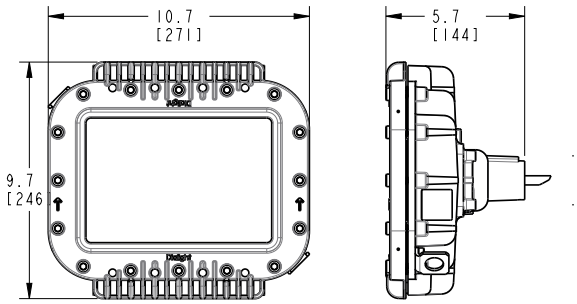
347/480 VAC

Certifications & Ratings*

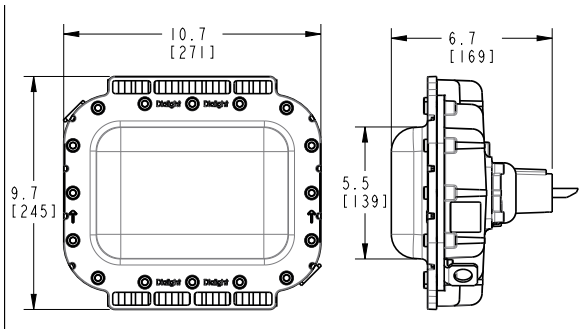
- 5 year warranty
- UL 1598/A, UL 844
- L70 > 100,000h @ 25°C
- Class I, Div. 1, Groups B, C, D
- Class I, Div. 2, Groups A, B, C, D
- Class II, Div. 1, Groups E, F, G
- Class III, Div. 1 & 2
- CSA C22.2 No. 137
- CSA C22.2 No. 250
- IP66 / 67
- NEMA 4X

*ETL listed

Tempered Glass Lens



Polycarbonate Lens



Dimensions in inches [mm]

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' STOOW 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

Construction:

Housing:	Copper-free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
Lens:	Tempered glass

Photometric Information:

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

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

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

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
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

1) When using "UMA" or "Retro-fit" mounting options, Hardware Accessories = **N**.

2) When orderings 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

3) 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

347/480 VAC Model								
Part Number	Initial Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Mounting
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

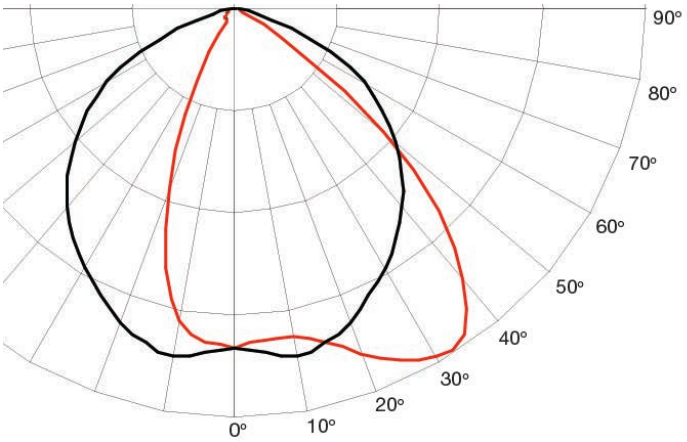
Beam Distributions

= 0°

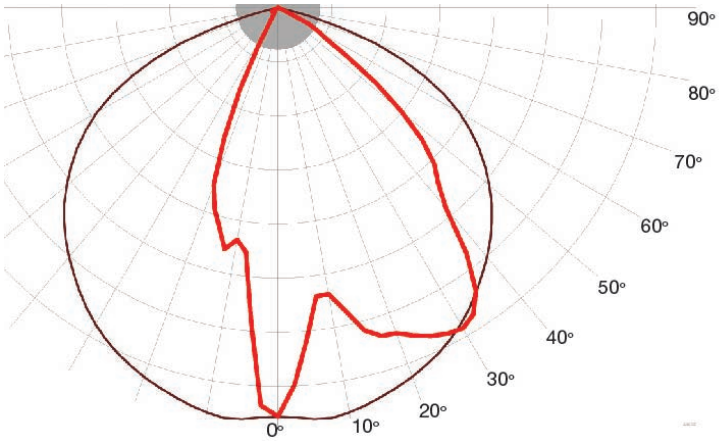
= 90°

180° Beam Angle

100-277 VAC, 120-250 VDC

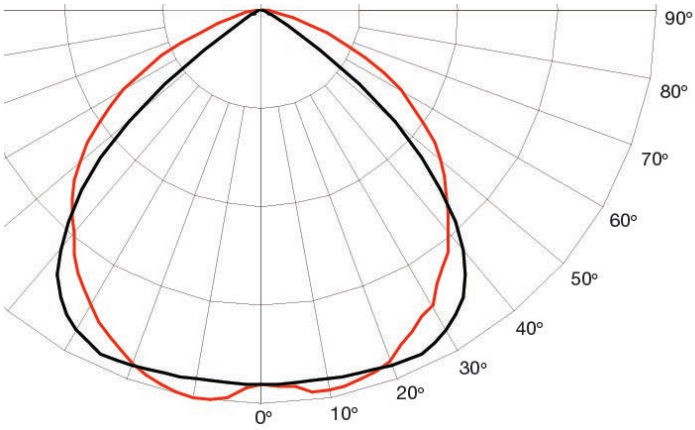


347/480 VAC, 24-48 VDC

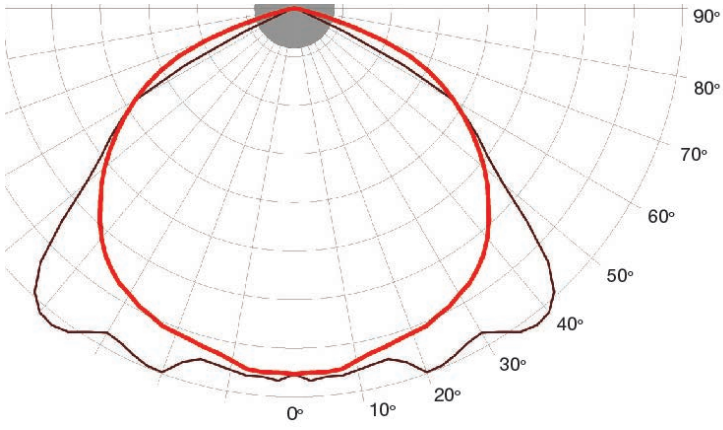


360° Beam Angle

100-277 VAC, 120-250 VDC

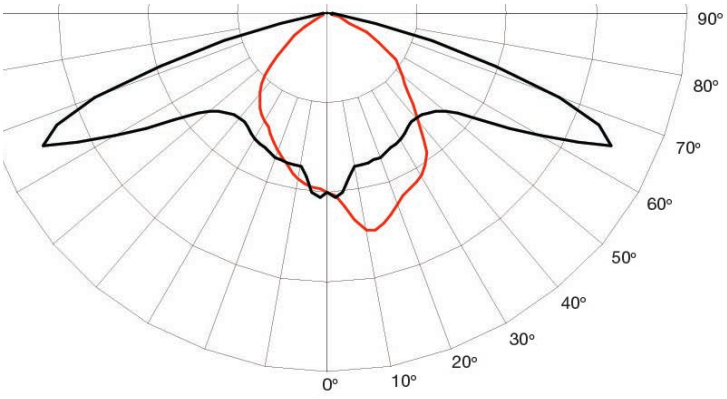


347/480 VAC, 24-48 VDC

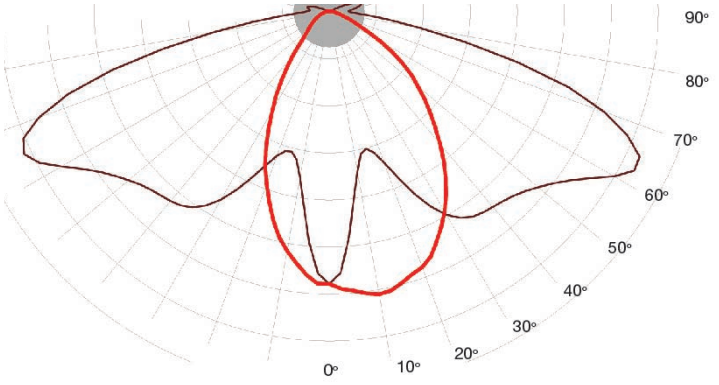


Wide Beam Angle

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

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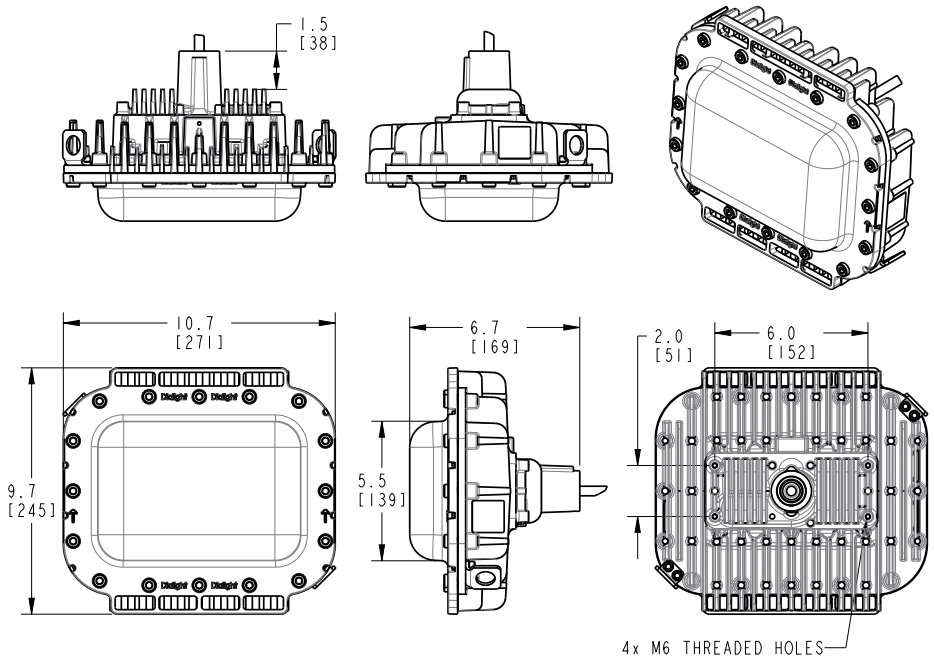
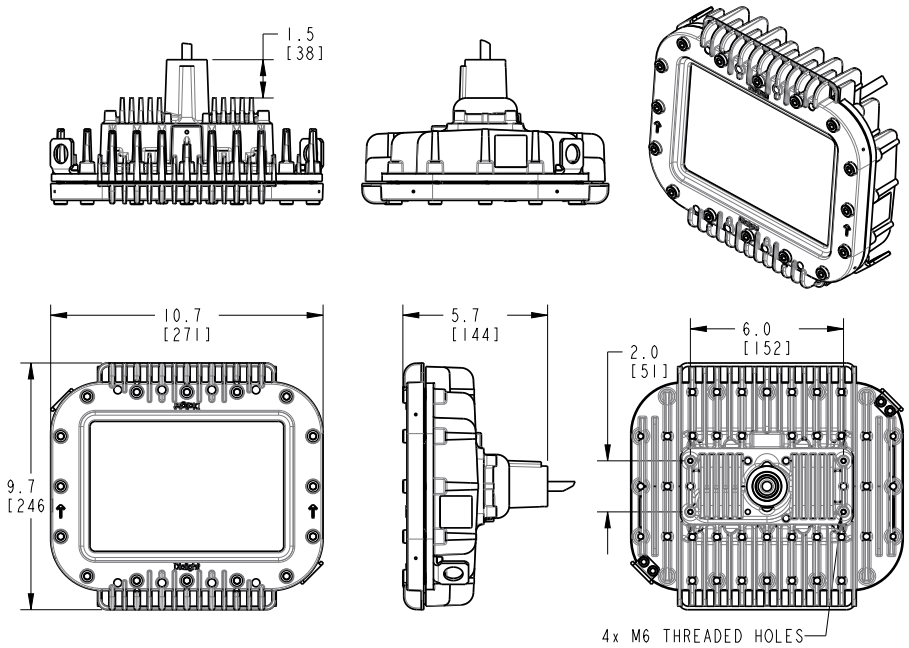
SafeSite® LED Area Light

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
HZXCV34

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

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

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 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™
Holophane Petrolux® II, III
Thomas & Betts Hazlux®
Appleton® Mercmaster III
Appleton® Mercmaster II
Killark® Certilite® & Certilite® V

*Petrolux adapter available as a standalonne 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	

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° AngleStanchion**	**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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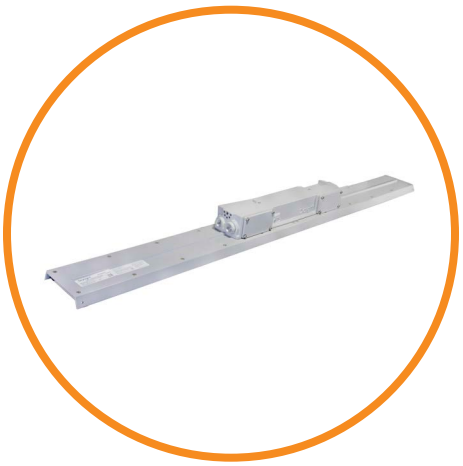
SafeSite® LED Linear - UL 844

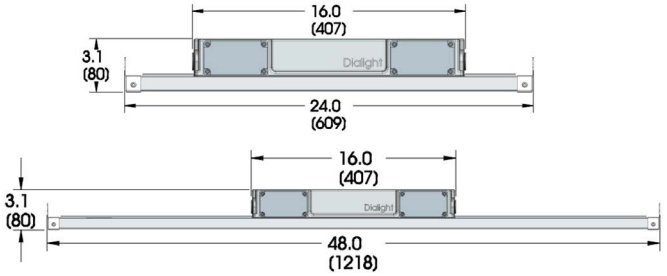
Low Profile - Class I, Div. 2 / Class II - 10 year warranty



Certifications & Ratings

- UL 1598/A[1]
- UL 844[1]
- CSA C22.2 No. 137[1]
- CSA C22.2 No. 250[1]
- 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 rating[2]
- DLC Premium & Standard

[1]ETL listed
[2]Internally 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

Construction:

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

Photometric Information:

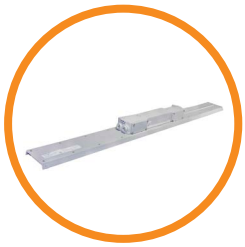
CRI:	80
CCT:	5000K (cool white) 4000K (neutral white)
IES files:	Available at www.dialight.com

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

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.

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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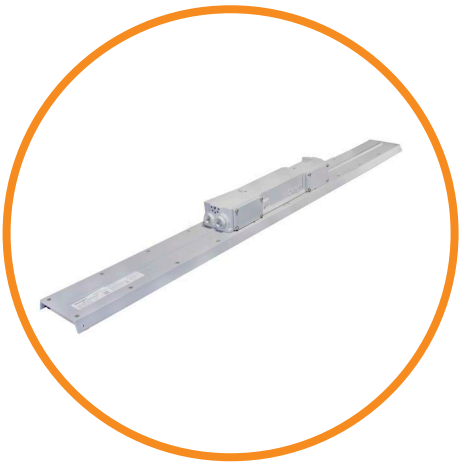
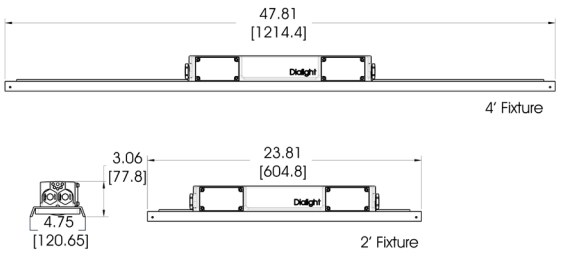
SafeSite® LED Linear - Low Profile

Technical Specifications - 5 year warranty





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)

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

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

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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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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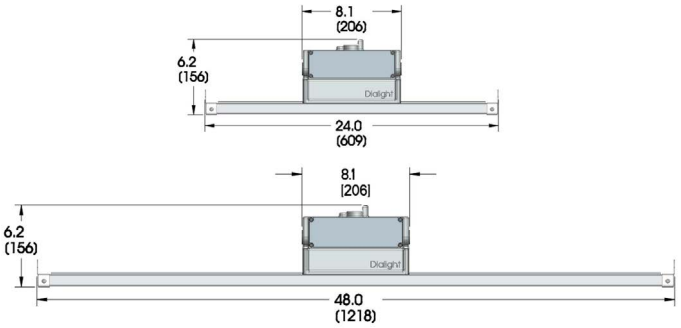
SafeSite® LED Linear - UL 844

Top Conduit - Class I, Div. 2 / Class II - 10 year warranty

Certifications & Ratings

- UL 1598/A[1]
- UL 844[1]
- CSA C22.2 No. 137[1]
- CSA C22.2 No. 250[1]
- 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 rating[2]
- DLC Premium & Standard

[1]ETL listed
[2]Internally 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

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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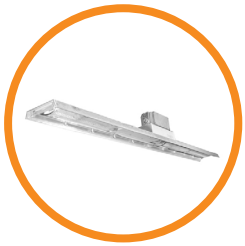
Ordering Information

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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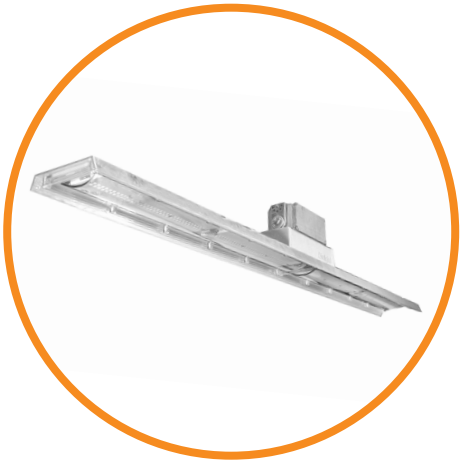
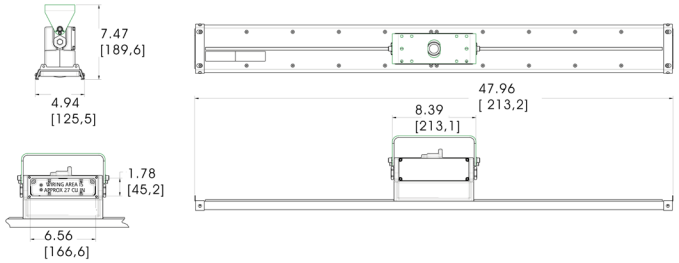
SafeSite® LED Linear - Top Conduit

Technical Specifications - 5 year warranty





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)

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

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

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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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

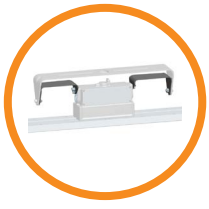
- Mounting bracket
- Can be angled at 0° and 15°

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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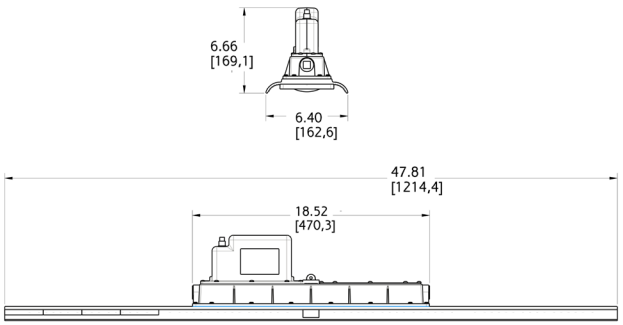
SafeSite® LED Linear - Battery Backup

Technical Specifications - 5 year warranty



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)

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

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
THD:	< 20%
Power factor:	> 0.9

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)
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 • CIIID1 • CIIID2

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	CIII	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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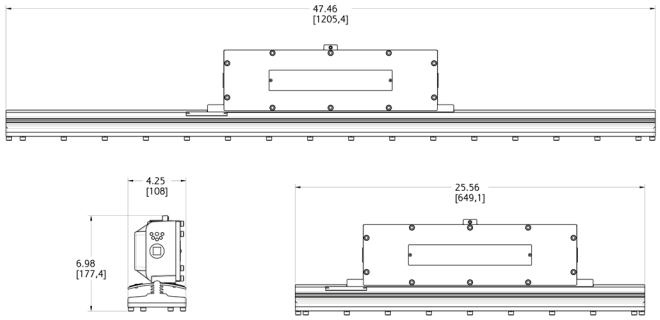
SafeSite® LED Linear - Class I, Div. 1

Technical Specifications - 5 year warranty



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)

Certifications & Ratings

- UL1598
- UL844
- CSA C22.2 No. 137
- Class I, Div. 1 Groups C & D
- IP66
- NEMA 4X

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

Construction:

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

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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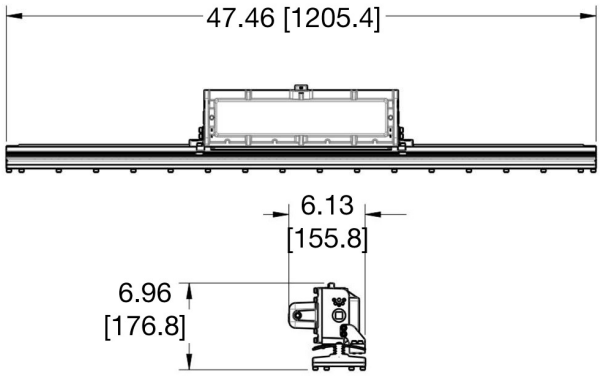
SafeSite® LED Linear - Battery Backup - Class I, Div. 1

Technical Specifications - 5 year warranty



Dimensions in inches [mm]

Temperature Ratings
Ambient Temperature Range T4A Temperature Code
-4°F to +149°F (-20°C to +65°C)

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

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

Construction:

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

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											
LRC7MB27NNNNGE	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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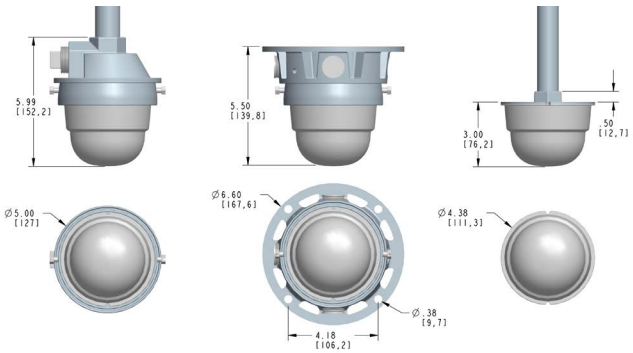
SafeSite® LED RTO Area Light - UL844

Standard Models



RTO-0Wxx-001 RTO-0Wxx-005 RTO-0Wxx-004

Dimensions in inches [mm]

Temperature Ratings
Ambient Temperature Range T3C Temperature Code
-40°F to +133°F (-40°C to +55°C)

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

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

Construction:

Housing: Copper free aluminum

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

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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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	Voltage	Lens	CCT	Fixture Lumens	Watt	LPW	Beam Distribution
Standard Models - 100-277 VAC											
RTODW17005	Ceiling mount with junction box		•	•	100-277 VAC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTODW17004	Pendant mount		•	•	100-277 VAC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTODW17001	Pendant mount with junction box		•	•	100-277 VAC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTO2W17005	Ceiling mount with junction box	•			100-277 VAC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTO2W17004	Pendant mount	•			100-277 VAC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTO2W17001	Pendant mount with junction box	•			100-277 VAC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTODW07005	Ceiling mount with junction box		•	•	100-277 VAC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTODW07004	Pendant mount		•	•	100-277 VAC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTODW07001	Pendant mount with junction box		•	•	100-277 VAC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTO2W07005	Ceiling mount with junction box	•			100-277 VAC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTO2W07004	Pendant mount	•			100-277 VAC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTO2W07001	Pendant mount with junction box	•			100-277 VAC	Polycarbonate	6000K (cool white)	470	8	59	Circular
Standard Models - 12-48 VDC											
RTODW18005	Ceiling mount with junction box		•	•	12-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTODW18004	Pendant mount		•	•	12-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTODW18001	Pendant mount with junction box		•	•	12-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTO2W18005	Ceiling mount with junction box	•			12-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTO2W18004	Pendant mount	•			12-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTO2W18001	Pendant mount with junction box	•			12-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTODW08005	Ceiling mount with junction box		•	•	12-48 VDC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTODW08004	Pendant mount		•	•	12-48 VDC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTODW08001	Pendant mount with junction box		•	•	12-48 VDC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTO2W08005	Ceiling mount with junction box	•			12-48 VDC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTO2W08004	Pendant mount	•			12-48 VDC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTO2W08001	Pendant mount with junction box	•			12-48 VDC	Polycarbonate	6000K (cool white)	470	8	59	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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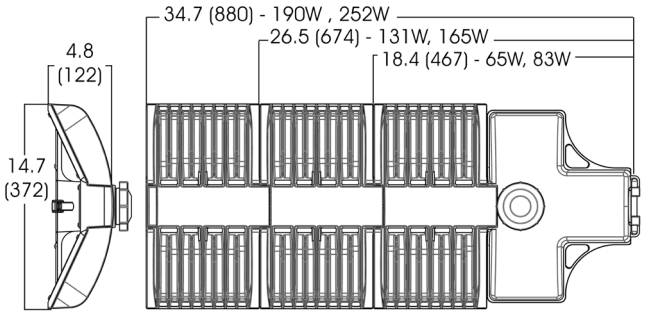
StreetSense LED Street Light - UL

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

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: SL3**C**5CLGG becomes SL3**N**5CLGG

SLSHIELDKIT

- House side shield

SL-PC01R

- 105 - 305V AC Photocontroller

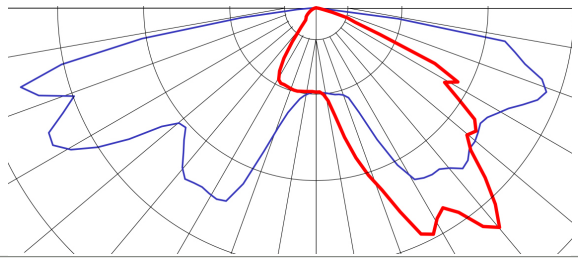
SL-PC02R

- 312 - 382V AC Photocontroller

SL-PC03R

- 432 - 528V AC Photocontroller

Beam Distribution



Type III

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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

QUICK, EASY INSTALLATION + **ENERGY REBATE ELIGIBILITY** + **WIRELESS CONTROLS** + **REDUCED MAINTENANCE** + **IMPROVED SAFETY** + **COMPLIMENTARY SERVICES**

reduced labor and production down time

energy costs decreased

IntelliLED advanced controls option to even further reduce costs

significant reduction or elimination in materials, labor and production down time

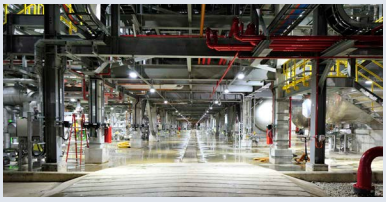
*risk of accidents is cut up to 60% with clear visibility of hazards**

de-risking your investment and finding the right solution without over-purchasing

*Abdou, "Effects of Luminous Environment on Worker Productivity in Building Spaces"

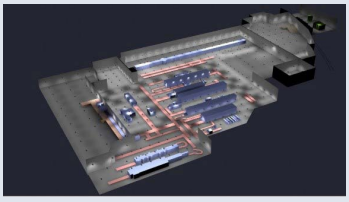
COMPLIMENTARY VALUE ADDED SERVICES

SITE AUDIT



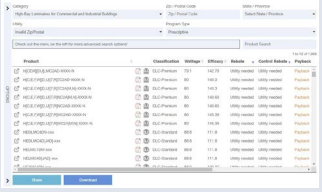
A regional sales manager will gladly visit your facility, taking note of your lighting goals, measuring existing light levels and identifying facility nuances that should be considered in the lighting solution.

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.

LIGHTING THE WAY TO A SUSTAINABLE INDUSTRIAL WORLD

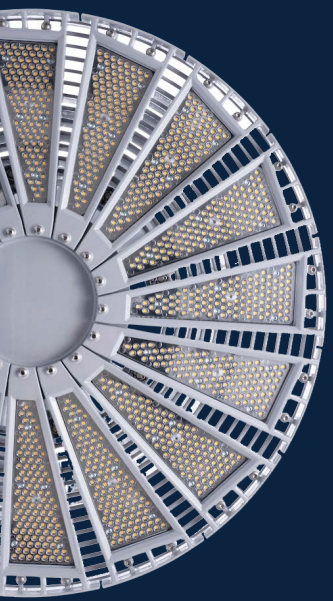
While significant strides have been made over the past several years with regards to corporate social responsibility in the industrial sector, sustainability doesn't necessarily come to mind when thinking about energy consuming, carbon-emitting harsh and hazardous applications.

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

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WARNING / DISCLAIMERS:

Installation & secondary retention. The use of this product 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) as applicable. Dialight products are intended for ultimate purchase, installation and operation by knowledgeable persons trained in the functional assessment, installation, use and maintenance of such products and all customers (including but not limited to end customers) are responsible for assessing the suitability of Dialight products for any given installation requirement. 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 as appropriate) and in compliance with all applicable laws and regulations.

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