Dialight

Dialight LED Lighting Catalog - UL

for Industrial and Hazardous Locations

February 2018

The Dialight Difference

Cost-Effective

Low maintenance integrated design, high efficiency, and an industry leading warranty equal significant time and cost savings.

Sustainable

A strategic focus on environmentally friendly LED technology and a commitment to helping all organizations, including our own, reach corporate sustainability goals.

Convenient

Fixtures deliberately designed with no field replacement parts for the lifespan of the fixture and easy retro-fit kits to make installation and maintenance turn-key.

Safe

Solutions designed for the world's most demanding industrial environments. Fully integrated designs and extensive testing ensure that you can count on our solutions every minute of the day.

Intelligent

Controlled lighting solutions that can seamlessly integrate with existing factory automation and building management systems to conveniently optimize work site safety and productivity.

Trusted

Deep expertise exclusively in LED lighting technology and decades of experience as a partner to many of the world's leading organizations has helped us achieve the largest installed base of industrial LED fixtures in the world.

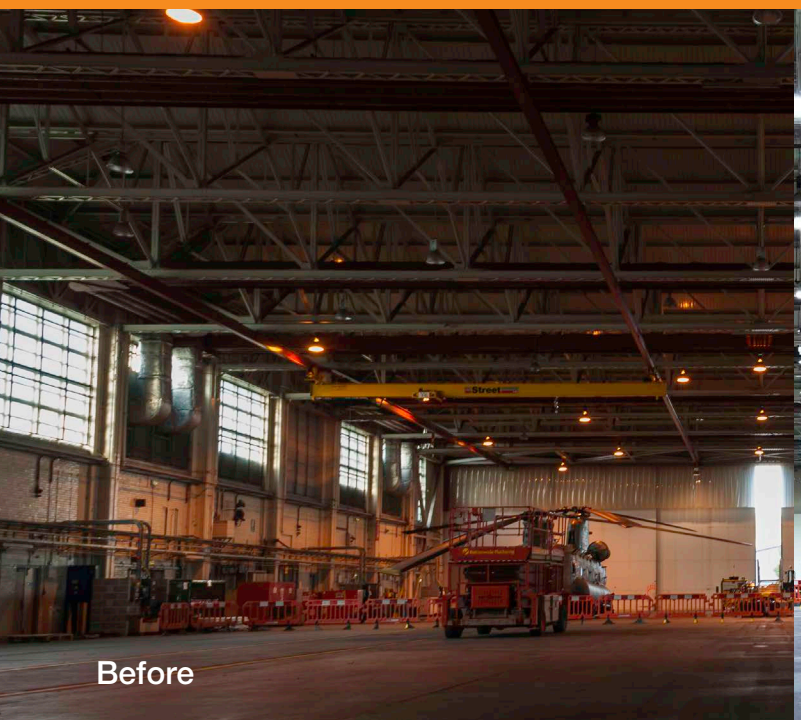
Dialight's Industry Leading 5, 7 and 10 Year Warranties

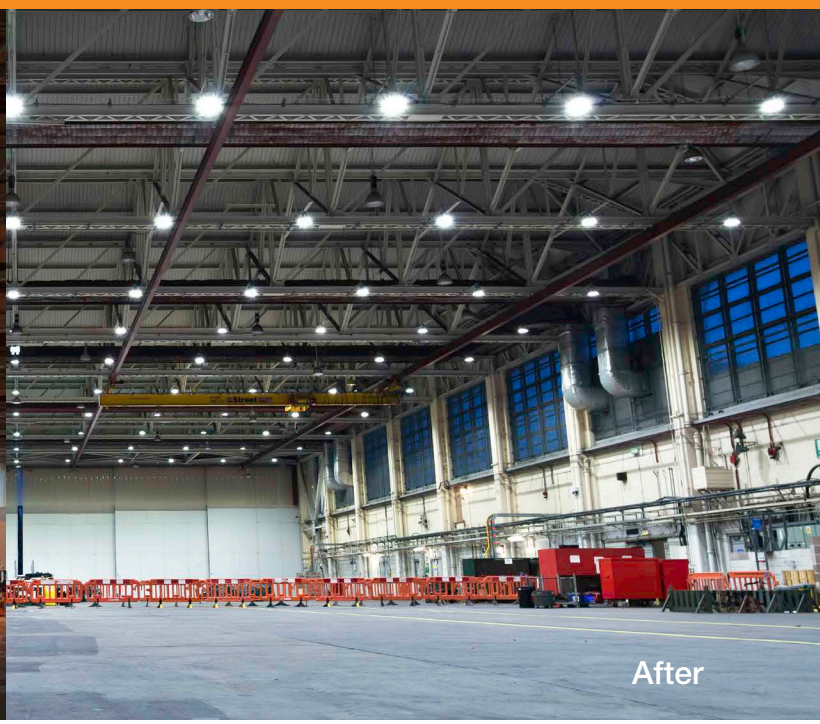
At Dialight, we take great pride in the design and robust engineering of our products. We deeply understand the harsh environments that our customers depend on our fixtures to illuminate each day. That's why our fixtures are built specifically for longevity in these conditions.

We are the only industrial LED lighting supplier with fully-integrated products built for industrial applications, featuring custom in-house power supplies designed for long-life with superior temperature tolerance, vibration resistance and built-in surge protection. Additionally, our sealed fixtures prevent moisture and contaminants from causing failures or reducing lifespan.

We stand behind our industry leading warranties with proven real-world results in the world's most challenging environments and extensive quality control testing. Additionally, whilst some other manufacturers may require a minimum threshold of 10% or more of LED components to fail in order for a product to be defective, we do not require this because the safety and productivity of your work site is of paramount importance to us.

If you would like to learn more about our warranties, please find the full warranty terms & conditions available on our website www.dialight.com





About Dialight

With over 40 years of industrial LED lighting experience and the largest installed base in the world, Dialight's extensive network of support staff, distributor and channel partners are ready to help you select among our wide range of products to identify a lighting solution that meets your specific needs.

Vigilant®

- LED lighting for general industrial applications
- 10 year warranty

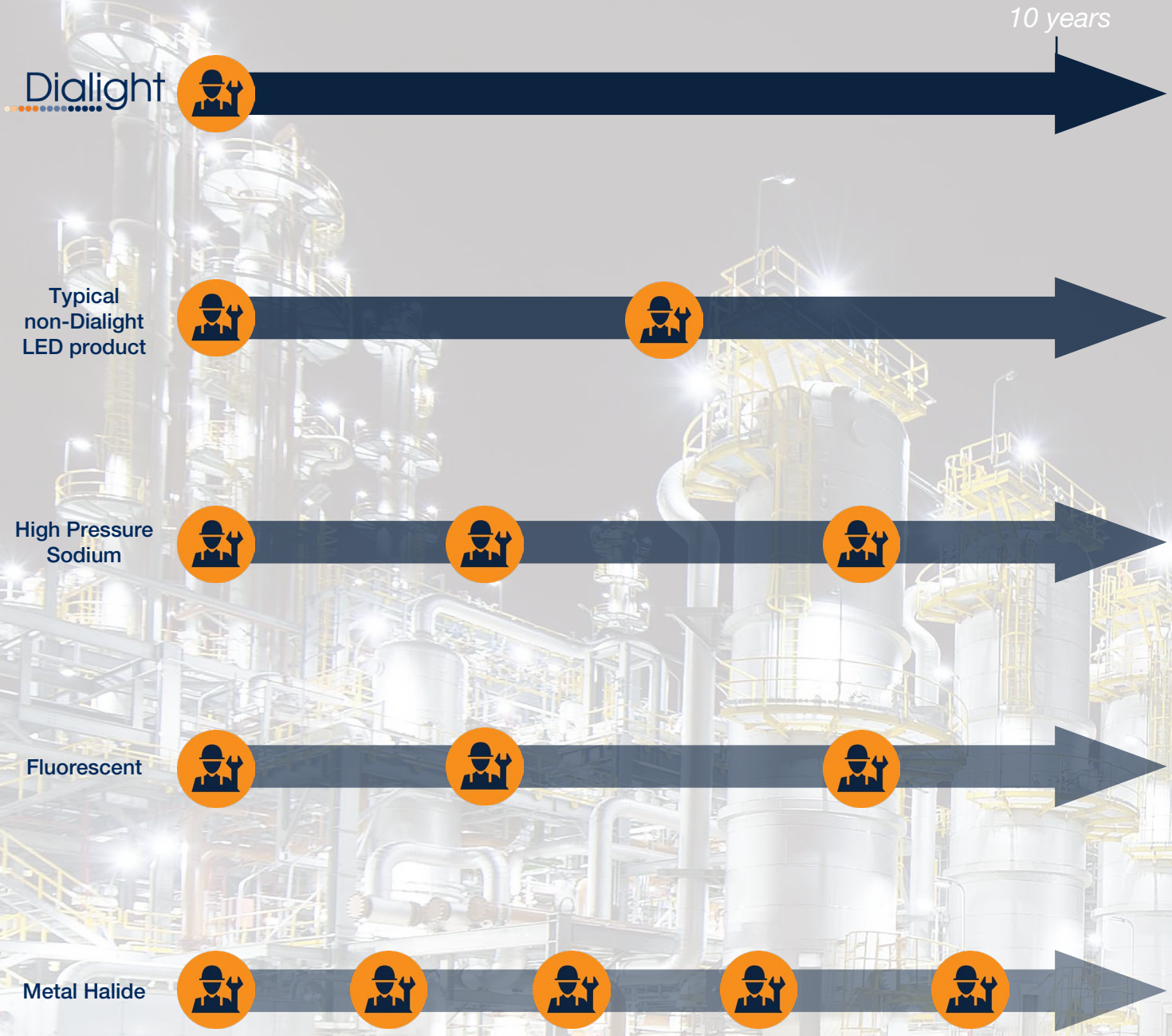
DuroSite®

- LED lighting for general industrial applications
- 5 & 10 year warranty

SafeSite®

- LED lighting for general hazardous applications
- 5 & 10 year warranty

Maintenance Comparison



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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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Corrosion Protection and Coating Process

Surface Preparation

Industry-Standard

- Acid etch iron phosphate conversion
- Rinse
- Acid seal

Industry standard product after 3000-hour Salt Spray Testing (ASTM B117)

Dialight

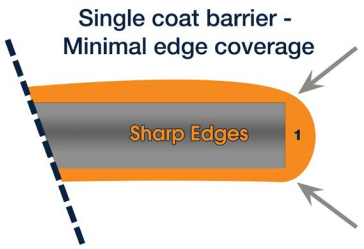
- Proprietary alkaline etching
- Multiple reverse osmosis rinse removing calcium and minerals
- Proprietary surface conversion for chemical and mechanical bond to powder
- Final clean rinse using pure reverse osmosis water

Dialight product after 3000-hour Salt Spray Testing (ASTM B117)

Powder Coat

Industry-Standard

- Single layer hybrid epoxy - standard polyester powder coat

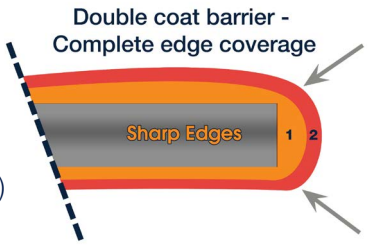


Dialight (2 coats)

- **1st coat**

  Epoxy primer base coat (much better bonding to the aluminum than polyester)
- **2nd coat**

  Super durable polyester (better UV, chemical, salt and environmental resilience)



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Vigilant® LED Lighting Fixtures
for Industrial Applications

LED High Bay

Wattage Range:	80-186W
Lumen Output Range:	11,000-26,250lm
Lumens per Watt:	100-145
Input Voltage:	100-277 VAC
	120-250 VDC

LED High Bay - Passive Power Supply

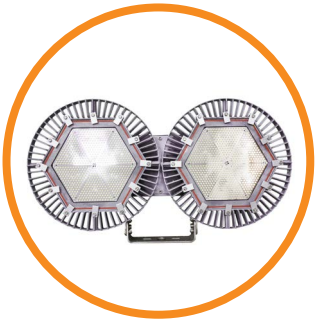
Wattage Range:	73-206W
Lumen Output:	9,750-27,000lm
Lumens per Watt:	101-131
Input Voltage:	347 VAC or 480 VAC

LED Low Bay

Wattage Range:	42-154W
Lumen Output:	3,500-18,000lm
Lumens per Watt:	42-154
Input Voltage:	100-277 VAC
	347/480 VAC

LED High Bay - High Output

Wattage Range:	380-520W
Lumen Output:	42,500-60,000lm
Lumens per Watt:	108-125
Input Voltage:	120-277 VAC, 347/480 VAC



LED Dual Floodlight

Wattage Range:	190-457W
Lumen Output Range:	27,000-56,000lm
Lumens per Watt:	111-147
Input Voltage:	120-277 VDC, 120-250 VDC, 347/480 VAC

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Vigilant® LED Lighting Fixtures
for Industrial Applications

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

DuroSite® LED Lighting Fixtures
for Industrial Applications

LED Floodlight

Wattage Range:	106-140W
Lumen Output Range:	10,000-15,000lm
Lumens per Watt:	89-111
Input Voltage:	100-277 VAC
	347/480 VAC

LED Area Light

Wattage Range:	21W-85W
Lumen Output Range:	2,200-7,500lm
Lumens per Watt:	75-111
Input Voltage:	120-277 VAC - Battery backup
	347/480 VAC
	24-48 VDC

LED Linear - End-to-End

Wattage Range:	32W/60W
Lumen Output Range:	3,500-7,500lm
Lumens per Watt:	109-125
Input Voltage:	100-277 VAC

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DuroSite® LED Lighting Fixtures

for Industrial Applications

LED Linear - Low Profile

Wattage Range:	33W/66W
Lumen Output Range:	2,900-7,250lm
Lumens per Watt:	88-110
Input Voltage:	100-277 VAC

LED Linear - Top Conduit

Wattage Range:	33W/66W
Lumen Output Range:	2,900-7,250lm
Lumens per Watt::	88-110
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

LED Wallpack/Bulkhead

Wattage Range:	11W/22W/34W
Lumen Output Range:	600-2,250lm
Lumens per Watt::	55-66
Input Voltage:	100-277 VAC
	24-48 VDC

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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SafeSite® LED Lighting Fixtures
for Hazardous Applications

LED High Bay

Wattage Range:	80-186W
Lumen Output Range:	7,750-26,250lm
Lumens per Watt::	97-145
Input Voltage:	100-277 VAC, 120-250 VDC 347/480 VAC

LED Low Bay

Wattage Range:	42-154W
Lumen Output:	3,500-18,000lm
Lumens per Watt:	42-154
Input Voltage:	100-277 VAC 347/480 VAC

LED Floodlight

Wattage Range:	106-140W
Lumen Output Range:	10,000-15,000lm
Lumens per Watt::	89-111
Input Voltage:	100-277 VAC 347/480 VAC

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

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SafeSite® LED Lighting Fixtures
for Hazardous Applications

LED Linear - End-to-End

Wattage Range:	32W/60W
Lumen Output Range:	3,500-7,500lm
Lumens per Watt:	109-125
Input Voltage:	120-277 VAC

LED Linear - Low Profile

Wattage Range:	33W/66W
Lumen Output Range:	2,700-7,250lm
Lumens per Watt::	82-110
Input Voltage:	100-277 VAC

LED Linear - Top Conduit

Wattage Range:	33W/66W
Lumen Output Range:	2,900-7,250lm
Lumens per Watt::	82-110
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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SafeSite® LED Lighting Fixtures
for Hazardous Applications

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 - Class I, Div. 1 - Battery Backup

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

LED Wallpack/Bulkhead

Wattage Range:	11W/22W/34W
Lumen Output Range:	600-2,250lm
Lumens per Watt::	46-66
Input Voltage:	100-277 VAC
	207-264 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 Streetlight

Wattage Range:	65-252W
Lumen Output Range:	5,500-20,250lm
Lumens per Watt::	80-85
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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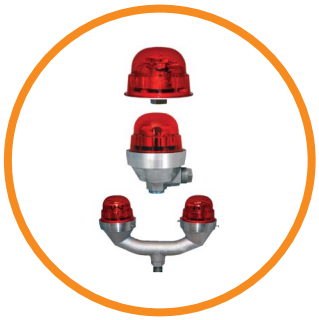
Obstruction LED Lighting Solutions

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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Vigilant® LED High Bay
Technical Specifications

Mechanical Information:
Fixture weight:
20 lb (9.1 kg)

Shipping weight:
26 lb (11.8 kg)

Mounting:
3/4" NPT or Hook

Wiring box cable entries:
(2x) 3/4" NPT

Integrated Pendant Wiring Box 100-277 VAC
Available with and without hook

Mechanical Information:
Fixture weight:
18 lb (8.2 kg)

Shipping weight:
24 lb (10.9 kg)

Mounting:
3/4" NPT - top
Various kits

Power cord:
18 AWG STOOW

Corded Models 100-277 VAC
Patent pending

Mechanical Information:
Fixture weight:
40 lb (18.1 kg)

Shipping weight:
45 lb (20.4 kg)

Mounting:
3/4" NPT - top
Various kits

Passive Power Supply 347 VAC, 480 VAC
Patent pending

Mechanical Information:
Fixture weight:
34 lb (15.4 kg)

Shipping weight:
39 lb (17.7 kg)

Mounting:
3/4" NPT - top
Various kits

Wiring box cable entries:
(4x) 3/4" NPT

Wiring Box 347/480 VAC

Certifications & Ratings:

UL 1598/A (wet locations)	CSA C22.2 No. 250
IP66/67 (100-277 VAC)	IP66 (347/480 VAC models)
NEMA 4X	Up to 145 lm/W

Variable Dimming:

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

Occupancy Sensor:

Mounting Height:	Up to 40ft
Ingress Protection:	IP66

Electrical Specifications:

Operating voltage:	
100-277 VAC	120-250 VDC
347 VAC	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
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 6kv/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 ordering information

Photometric Information:

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

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

Mechanical Information:
Fixture weight:
21 lb (9.6 kg)

Shipping weight:
27 lb (12.3 kg)

Mounting:
3/4" NPT or Hook

Wiring box cable entries:
3/4" NPT

Integrated Pendant Wiring Box with Occupancy Sensor 100-277 VAC

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Vigilant® LED High Bay

Ordering Information

	U											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[4]

HC	Integrated Pendant Wiring Box
HE[5]	High Bay 3/4" NPT
HW	Integrated Hexagon Wiring Box

Certification

U	UL 1598/A, CSA 22.2 No. 250

Lens Material

2	Acrylic - Clear
4	Polycarbonate - Clear
5	Polycarbonate - Diffused
7	Glass - Clear
L	Polycarbonate Dome - Diffused
R	Power Wash Glass - Clear
V	Power Wash Polycarbonate - Clear

*All lens options flat except L

Beam Distribution

E	Oval
M	Medium
N	Narrow
W	Wide

CCT & CRI

C	Cool White 5000K - 80 CRI
N	Neutral White 4000K - 80 CRI
W	Warm White 2700K - 80 CRI

Operating Voltage

2	100-277 VAC / 120-250 VDC
A[1]	347-480 VAC Step Down Transformer (HE only)
P[5]	480 VAC (HE passive only)
Q[5]	347 VAC (HE passive only)

Lumen Type[2]

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

Controls

N	Non Dimming
D	Dimming (0-10 VDC)
M[3]	Occupancy Sensor

Mounting Options

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

Power Cable Length

N	No Power Cable (HC & HW only)
V	6' [1.8 meter] Power Cable
W	10' [3 meter] Power Cable

Electrical Accessories

3	Plug NEMA Type L5-15 (Non Dimmable)
4	Plug NEMA Type L5-20 (Non Dimmable)
6	Plug NEMA Type L6-15 (Non Dimmable)
7	Plug NEMA Type L6-20 (Non Dimmable)
8	Plug NEMA Type L7-15 (Non Dimmable)
9	Plug NEMA Type L7-20 (Non Dimmable)
H	Connector Reloc OCS12010WH (Non Dimmable)
J	Connector Reloc OCS20810WH (Non Dimmable)
K	Connector Reloc OCS27710WH (Non Dimmable)
N	Standard No Plug

Coatings

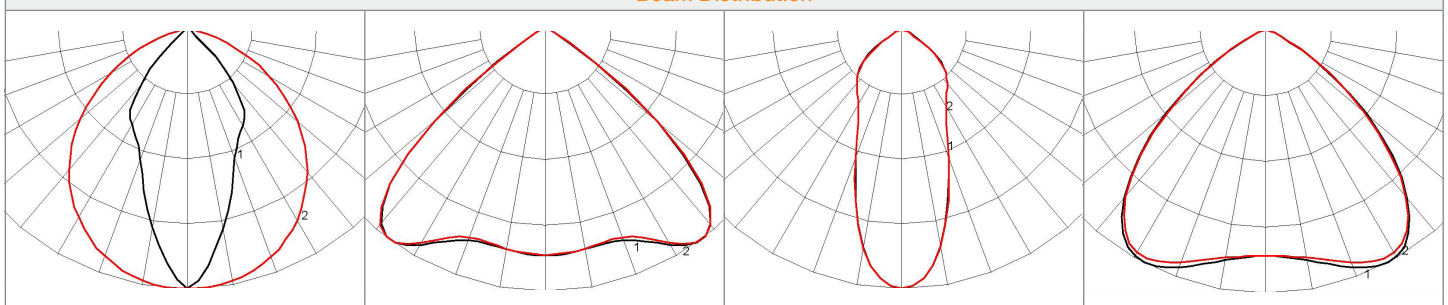
G	Gray (RAL 7040)
O	Orange
W	White

Notes

1) Operating Voltage A - 347/480 VAC will ship with wiring box and transformers. Choose **HE** prefix for this option. For 480 VAC add 12W, for 347 VAC add 29W.
2) Lumen type based on using a glass lens. See tables for lumens when changing lenses on page 16-17.
3) When ordering factory installed occupancy sensor, use prefix **HC** for 100-277 VAC models, use prefix **HE** for 347/480 VAC models.
4) HC & HW prefixed models have the ability to add wireless & DALI controls
5) Passive only available with **HE** product code and medium optics. Not available with controls options or acrylic lens options.

Additional features and selections are available, please see the UL High Bay Technical Spec Sheet or your Dialight representative for more information.

Beam Distribution



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Vigilant® LED High Bay

Lumen Tables

Vigilant High Bay 100-277 VAC, 120-250 VDC							
Lumen Letter	Wattage	Lens	Material	Diffused/ Clear	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	186	7	Glass	Clear	26,250	25,250	22,250
	186	2	Acrylic	Clear	25,250	24,500	21,750
	186	4	Polycarbonate	Clear	25,250	24,500	21,750
	186	3	Acrylic	Diffused	24,750	24,000	20,500
	186	5	Polycarbonate	Diffused	24,750	24,000	20,500
	186	L	Polycarbonate Dome	Diffused	24,500	23,750	20,250
	186	8	Glass	Diffused	23,250	22500	19,125
C	129	7	Glass	Clear	19,500	18,750	15,750
	129	2	Acrylic	Clear	18,750	18,000	15,250
	129	4	Polycarbonate	Clear	18,750	18,000	15,250
	129	3	Acrylic	Diffused	18,250	17,500	14,750
	129	5	Polycarbonate	Diffused	18,250	17,500	14,750
	129	L	Polycarbonate Dome	Diffused	18,000	17,500	14,750
	129	8	Glass	Diffused	17,000	16,500	14,000
B	102	7	Glass	Clear	14,250	13,750	11,750
	102	2	Acrylic	Clear	13,750	13,250	11,000
	102	4	Polycarbonate	Clear	13,750	13,250	11,000
	102	3	Acrylic	Diffused	13,500	13,000	11,000
	102	5	Polycarbonate	Diffused	13,500	13,000	11,000
	102	L	Polycarbonate Dome	Diffused	13,250	12,750	10,750
	102	8	Glass	Diffused	12,500	12,250	10,500
A	80	7	Glass	Clear	11,250	11,000	9,500
	80	2	Acrylic	Clear	10,750	10,500	9,000
	80	4	Polycarbonate	Clear	10,750	10,500	9,000
	80	3	Acrylic	Diffused	10,500	10,250	8,750
	80	5	Polycarbonate	Diffused	10,500	10,250	8,750
	80	L	Polycarbonate Dome	Diffused	10,250	9,950	8,500
	80	8	Glass	Diffused	9,750	9,500	8,000

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Vigilant® LED High Bay

Lumen Tables

Passive 347 VAC & 480 VAC Power Supply								
Lumen Letter	Wattage		Lens Character	Material	Diffused/ Clear	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
	347 VAC	480V AC						
E	206	206	7	Glass	Clear	27,000	26,250	23,000
	206	206	2	Acrylic	Clear	26,000	25,250	21,500
	206	206	4	Polycarbonate	Clear	26,000	25,250	21,500
	206	206	3	Acrylic	Diffused	25,250	24,500	20,750
	206	206	5	Polycarbonate	Diffused	25,250	24,500	20,750
	206	206	L	Polycarbonate Dome	Diffused	25,000	24,250	20,500
	206	206	8	Glass	Diffused	23,750	23,000	19,500
C	136	129	7	Glass	Clear	18,000	17,500	14,750
	136	129	2	Acrylic	Clear	17,250	16,750	14,250
	136	129	4	Polycarbonate	Clear	17,250	16750	14,250
	136	129	3	Acrylic	Diffused	17,000	16,500	14,000
	136	129	5	Polycarbonate	Diffused	17,000	16,500	14,000
	136	129	L	Polycarbonate Dome	Diffused	16,750	16,250	13,750
	136	129	8	Glass	Diffused	15,750	15,250	13,000
B	100	116	7	Glass	Clear	14,250	13,750	11,750
	100	116	2	Acrylic	Clear	13,750	13,250	11,000
	100	116	4	Polycarbonate	Clear	13,750	13,250	11,000
	100	116	3	Acrylic	Diffused	13,500	13,000	11,000
	100	116	5	Polycarbonate	Diffused	13,500	13,000	11,000
	100	116	L	Polycarbonate Dome	Diffused	13,250	12,750	10,750
	100	116	8	Glass	Diffused	12,500	12,250	10,500
A	81	73	7	Glass	Clear	11,250	11,000	9,500
	81	73	2	Acrylic	Clear	10,750	10,500	9,000
	81	73	4	Polycarbonate	Clear	10,750	10,500	9,000
	81	73	3	Acrylic	Diffused	10,500	10,250	8,750
	81	73	5	Polycarbonate	Diffused	10,500	10,250	8,750
	81	73	L	Polycarbonate Dome	Diffused	10,250	9,950	8,500
	81	73	8	Glass	Diffused	9,750	9,500	8,000

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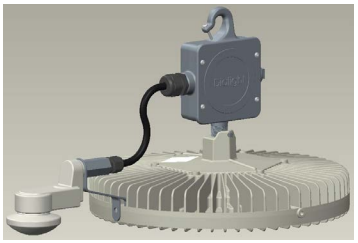
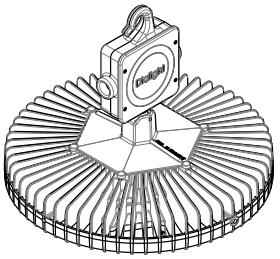
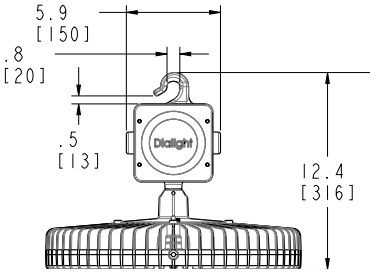
Vigilant® LED High Bay

Dimensional Drawings

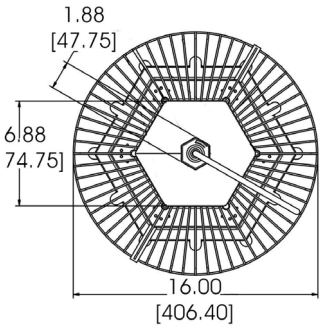
Integrated Pendant Wiring Box 100-277 VAC

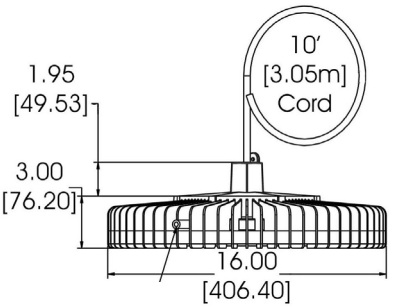




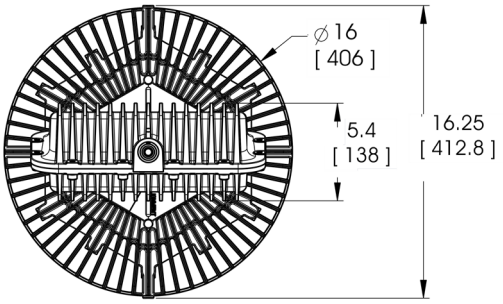


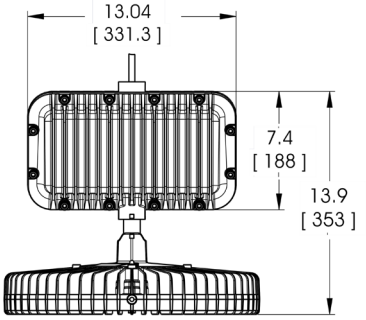
Corded Models 100-277 VAC





Passive Power Supply 347 VAC, 480 VAC





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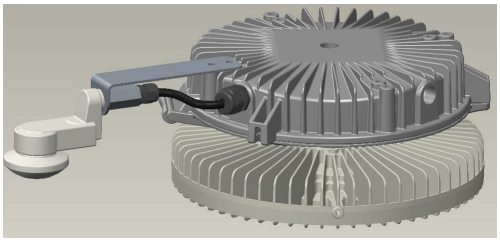
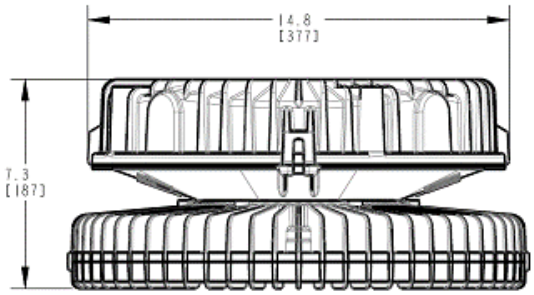
Vigilant® LED High Bay

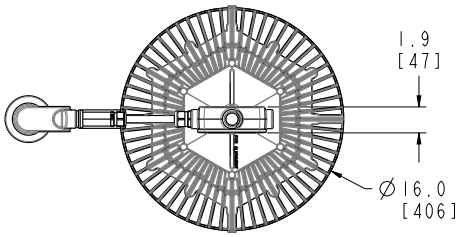
Dimensional Drawings

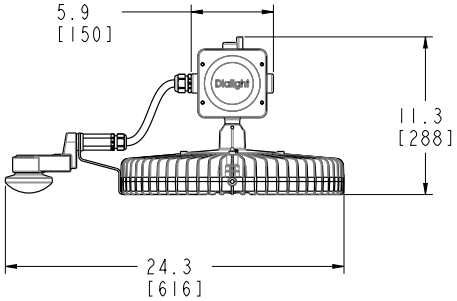
Wiring Box 347/480 VAC



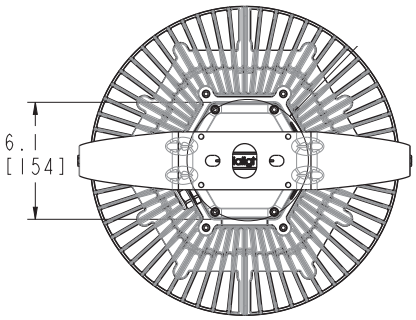


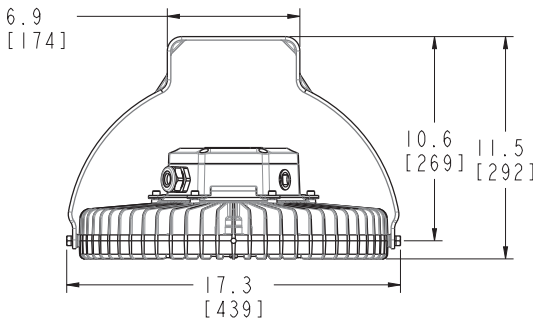
Integrated Pendant Wiring Box with Occupancy Sensor 100-277 VAC





Integrated Hexagon Wiring Box 100-277 VAC





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Vigilant® LED High Bay

Accessories

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

HBXCAB48
- 48" long stainless steel safety rope (for use with safety retention tabs)

HBXDC
- 21° slope dust cover

HBXDC45
- 45° slope dust cover

HBXDC60
- 60° slope dust cover

HBXW3-SSL-304FT
- 304 stainless steel forward throw bracket

HBXW3-SSL-316FT
- 316 stainless steel forward throw bracket

HBXOCC100277U
- Occupancy sensor and balance weight kit
- 100-277 VAC

HBXOCC347480U
- Occupancy sensor and balance weight kit
- 347/480 VAC

HBXCG
- Cable gland

HBXW2
- Swivel bracket and cable gland

HBXW3
- Swivel bracket

HBXSB
- 316 stainless steel safety retention tabs (4x)

HBXDUALBRCKT
- Dual bracket

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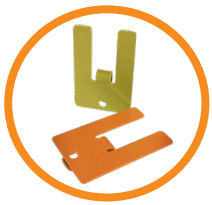
Vigilant® LED High Bay

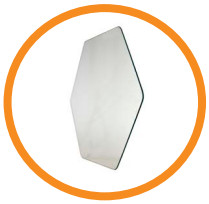
Accessories

HBXCU
- Ceiling / wall mount

HBXTH347480B
- Top hat with 347/480 VAC step down transformers
- Mounting:
  - 3/4" NPT - top
  - Wiring box cable: side entries: (4x) 3/4" NPT
- Add 12W for 480 VAC & 29W for 347 VAC applications



HBXFLAG-Y
HBXFLAG-O
- Yellow aluminum
- Orange aluminum



HBXLENGC
- Tempered glass - clear

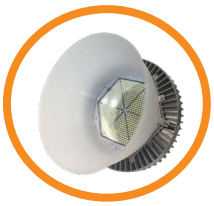
HBXLENPC
- Polycarbonate lens - clear

HBXLENAC
- Acrylic lens - clear

HBXLENPD
- Polycarbonate lens - diffused

HBXLENAD
- Acrylic lens - diffused

HBXLENGD
- Tempered glass - diffused



HBXREF16
- Acrylic reflector

H6X-H
- Hook option for 347/480 VAC transformer models

HBXHL
- Hook

HLXW2-SS
- 316 stainless steel swivel bracket and cable gland

HLXW3-SS
- 316 stainless steel swivel bracket

LBXLENP
- Polycarbonate dome lens replacement

HBXFSIRREMOTE
- Remote for occupancy sensor

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Vigilant® LED Low Bay

Technical Specifications

Mechanical Information:

Fixture weight:
18 lb (8.2 kg)

Shipping weight:
24 lb (10.9 kg)

Mounting:
3/4" NPT - top
Various kits

Power Cord:
18 AWG STOOW

Corded Models 100-277 VAC

Mechanical Information:

Fixture weight:
20 lb (9.1 kg)

Shipping weight:
26 lb (11.8 kg)

Mounting:
3/4" NPT or hook
Various kits

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

Integrated Wiring Box 100-277 VAC

Mechanical Information:

Fixture weight:
34 lb (15.4 kg)

Shipping weight:
39 lb (17.7 kg)

Mounting:
3/4" NPT - top
Various Kits (see page 22)

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

Wiring Box 347/480 VAC

Mechanical Information:

Fixture weight:
22 lb (9.9 kg)

Shipping weight:
28 lb (12.7 kg)

Mounting:
3/4" NPT or Hook

Wiring box cable entries:
(2x) 3/4" NPT

Wiring Box with Occupancy Sensor

Certifications & Ratings:

UL 1598/A (wet locations) | CSA C22.2 No. 250
IP66/67 (100-277 VAC) | IP66 (347/480 VAC)
NEMA 4X

Variable Dimming:

Variable dimming control: 0-10 VDC

Dimming range: 10 VDC = 100% light output
0 VDC = <5% 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 (Top Hat) - up to 122 lm/W

Total system power consumption: See table

Operating temp: -40°F to +149°F (-40°C to +65°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: Protection devices capable of handling up to 10kv. Tested for 6kv/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground

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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Vigilant® LED Low Bay

Ordering Information

	U		U									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[4]

LC	Integrated Pendant Wiring Box
LE	Low Bay
LW	Integrated Hexagon Wiring Box

Certification

U	UL 1598/A

Lens Material

2	Acrylic - Clear
4	Polycarbonate - Clear
L	Polycarbonate Dome - Diffused
7	Glass Lens

*All lens options flat except L

Beam Distribution

U	Ultra Wide

CCT & CRI

C	Cool White 5000K - 80 CRI
N	Neutral White 4000K - 80 CRI
W	Warm White 2700K - 80 CRI

Operating Voltage

A[1]	347-480 VAC Step Down Transformer (LE only)
2	100-277 VAC / 120-250 VDC

Lumen Type[2]

4	4,000 Lumens
6	6,000 Lumens
9	9,000 Lumens
B	14,000 Lumens
C	18,000 Lumens

Controls

N	Non Dimming
D	Dimming (0-10 VDC)
M[3]	Occupancy Sensor

Mounting Options

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

Power Cable Length

N	No Power Cable (LC & LW only)
V	6' [1.8 meter] Power Cable
W	10' [3 meter] Power Cable

Electrical Accessories

3	Plug NEMA Type L5-15 (Non Dimmable)
4	Plug NEMA Type L5-20 (Non Dimmable)
6	Plug NEMA Type L6-15 (Non Dimmable)
7	Plug NEMA Type L6-20 (Non Dimmable)
8	Plug NEMA Type L7-15 (Non Dimmable)
9	Plug NEMA Type L7-20 (Non Dimmable)
H	Connector Reloc OCS12010WH (Non Dimmable)
J	Connector Reloc OCS20810WH (Non Dimmable)
K	Connector Reloc OCS27710WH (Non Dimmable)
N	Standard No Plug

Coatings

G	Gray (RAL 7040)
O	Orange
W	White

Notes

1) Operating Voltage A - 347/480 VAC will ship with wiring box and transformers. Choose **LE** prefix for this option. For 480 VAC add 12W, for 347 VAC add 29W.

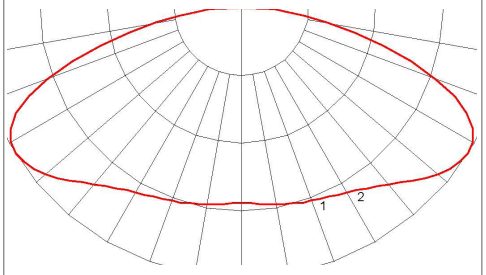
2) Lumen type based on using a polycarbonate dome lens. See tables for lumens when changing lenses on page 23.

3) When ordering factory installed occupancy sensor, use prefix **LC** for 100-277 VAC models, use prefix **LE** for 347/480 VAC models.

4) LC & LW prefixed models have the ability to add wireless & DALI controls

Additional features and selections are available, please see the UL Low Bay Technical Spec Sheet or your Dialight representative for more information.

Beam Distribution



Ultra Wide

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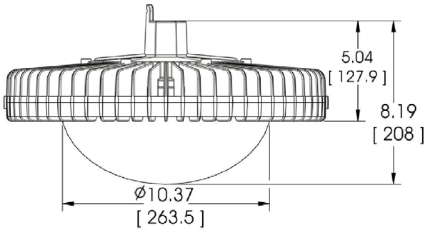
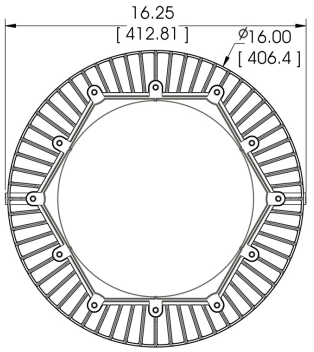
Vigilant® LED Low Bay

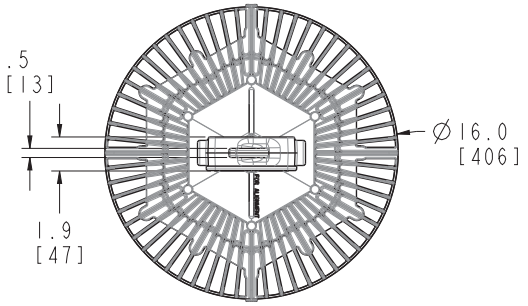
Dimensional Drawings

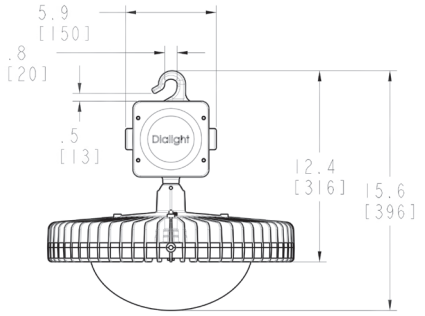
Corded Models 100-277 VAC



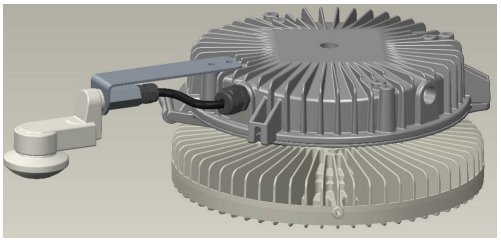


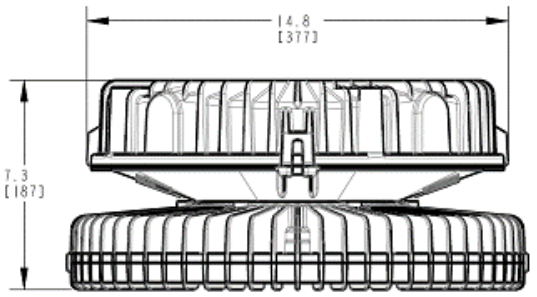
Integrated Wiring Box 100-277 VAC



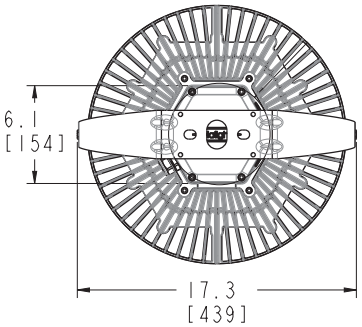


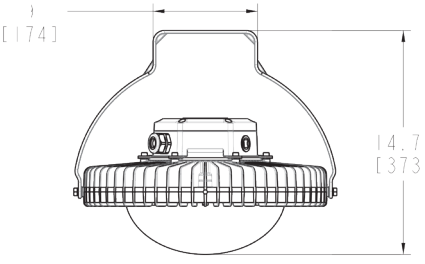
Wiring Box 347/480 VAC





Integrated Hexagon Wiring Box 100-277 VAC





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Vigilant® LED Low Bay

Lumen Table & Accessories

Lumen Letter	Wattage	Lens	Material	Diffused/ Clear	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
C	154	L	Polycarbonate Dome	Diffused	18,000	17,500	15,250
	154	4	Polycarbonate	Clear	17,750	17,250	15000
	154	2	Acrylic	Clear	17,500	17,000	14,750
B	114	L	Polycarbonate Dome	Diffused	14,000	13,500	12,000
	114	4	Polycarbonate	Clear	13,750	13,250	11,750
	114	2	Acrylic	Clear	13,500	13,000	11,500
9	80	L	Polycarbonate Dome	Diffused	9,000	8,750	7,750
	80	4	Polycarbonate	Clear	8,800	8,500	7,500
	80	2	Acrylic	Clear	8,600	8,400	7,300
6	56	L	Polycarbonate Dome	Diffused	6,000	5,800	5,100
	56	4	Polycarbonate	Clear	5,900	5,750	5,000
	56	2	Acrylic	Clear	5,750	5,600	4,800
4	42	L	Polycarbonate Dome	Diffused	4,000	3,900	3,400
	42	4	Polycarbonate	Clear	3,900	3,800	3,300
	42	2	Acrylic	Clear	3,800	3,700	3,200

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

HBXW3-SSL-304FT
- 304 stainless steel forward throw bracket

HBXW3-SSL-316FT
- 316 stainless steel forward throw bracket

HBXW2
- Swivel bracket and cable gland

HBXW3
- Swivel bracket

HBXCU
- Ceiling / wall mount

HBXFSIRREMOTE
- Remote for occupancy sensor

HBXCAB48
- 48" long stainless steel safety rope (for use with safety retention tabs)

HBXOCC100277U
- Occupancy sensor and balance weight kit
- 100-277 VAC

HBXOCC347480U
- Occupancy sensor and balance weight kit
- 347/480 VAC

HBXSB316
- Stainless steel (4x)

LBXLENP
- Polycarbonate dome lens replacement

HBXDC
- 21° slope dust cover

HBXDC45
- 45° slope dust cover

HBXDC60
- 60° slope dust cover

HBXCG
- Cable gland

HBXDUALBRCKT
- Dual bracket

HBXFLAG-Y
HBXFLAG-O
- Yellow aluminum
- Orange aluminum

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Vigilant® LED High Bay - High Output

Technical Specifications

Ratings and Certifications
• 10 year warranty
• L70 rated for >125,000 hours
• CSA C22.2 No. 250
• UL 1598
• IP66
• NEMA 4X

*All features not available on every model. Please refer to product part number pages for model specifics.

Mechanical Information	
Fixture weight:	
120-277 VAC models	59 lb (26.8 kg)
347/480 VAC models:	75 lb (34.0 kg)

Note: Wire box is installed separately from housing. This allows single installer for fixtures.

120-277 VAC wire box = 6.6 lb (3.0 kg) [mount first]
480 VAC wire box = 22.6 lb (10.3 kg) [mount first]
Light fixture (base) = 52.4 lb (23.8 kg) [mount last]

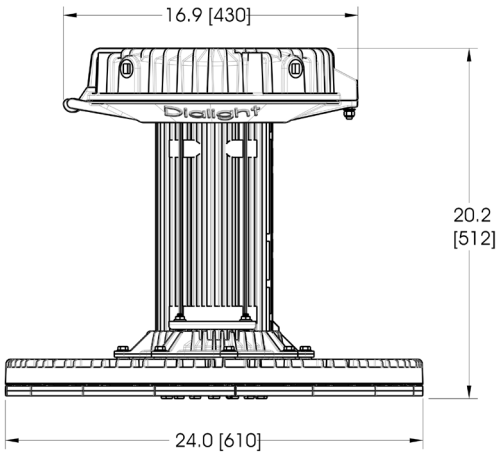
Shipping weight:	
120-277 VAC models	73 lb (33.1 kg)
347/480 VAC models:	90 lb (40.8 kg)
Mounting:	(1) 3/4" NPT - top
	(4) 3/4" NPT - sides

Specifications			
Voltage options:	120–277 VAC	**Housing:**	Copper-free aluminum
	347/480 VAC	**Lens:**	Tempered glass (UL 1598)
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**CRI:**	75
Power factor:	>0.9	**CCT:**	5000K (cool white)
THD:	<20%		4000K (neutral white)
Surge protection:	6kV/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground		

Lumens	Wattage	lm/W	Mounting Heights
60,000	480	125	100' or lower
60,000	520	115	

Comparison		
	Warranty	**L70**
Dialight LED High Bay	10yr	>125,000
Metal Halide	1	6,000
High Pressure Sodium	1	20,000

Dimensions



Dimensions in inches [mm]

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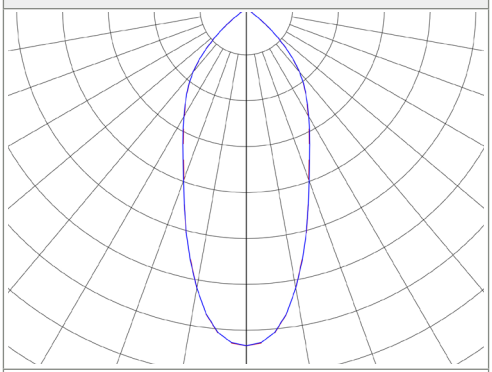
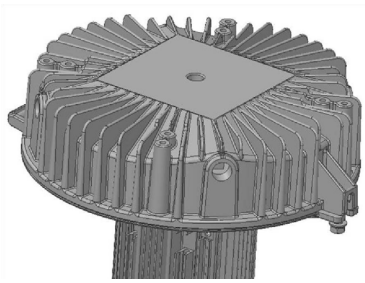
Vigilant® LED High Bay - High Output

Accessories

Beam Distribution

Narrow

347/480 VAC Models	
	
Wiring Box	Wiring Box Hinge

H6XCAB72

- 72" long stainless steel safety rope
- 3/32" diameter with one wire clamp

HBX-HL

- Hook

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Vigilant® LED High Bay - High Output

Ordering Information

Standard Models

Part Number	Fixture Lumen	Watt	lm/W	Warranty	Voltage	CCT	Lens	Beam Distribution
Standard Models - 120-277 VAC Models								
H6UGNC44N-SNNG	60,000	480	125	10yr	120-277 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC44N-SNNG	60,000	480	125	10yr	120-277 VAC	5000K (cool white)	Tempered glass	Medium
H6U1NC44N-SNNG	57,500	480	119	10yr	120-277 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC44N-SNNG	57,500	480	119	10yr	120-277 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC44N-SNNG	56,500	480	117	10yr	120-277 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC44N-SNNG	56,500	480	117	10yr	120-277 VAC	5000K (cool white)	Polycarbonate	Medium
H6UGNC4WN-SNNG	45,000	360	125	10yr	120-277 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC4WN-SNNG	45,000	360	125	10yr	120-277 VAC	5000K (cool white)	Tempered glass	Medium
H6U1NC4WN-SNNG	43,250	360	120	10yr	120-277 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC4WN-SNNG	43,250	360	120	10yr	120-277 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC4WN-SNNG	42,500	360	118	10yr	120-277 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC4WN-SNNG	42,500	360	118	10yr	120-277 VAC	5000K (cool white)	Polycarbonate	Medium
Standard Models - 347 VAC Models								
H6UGNC54N-SNNG	60,000	520	115	10yr	347 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC54N-SNNG	60,000	520	115	10yr	347 VAC	5000K (cool white)	Tempered glass	Medium
H6U1NC54N-SNNG	57,500	520	110	10yr	347 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC54N-SNNG	57,500	520	110	10yr	347 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC54N-SNNG	56,500	520	110	10yr	347 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC54N-SNNG	56,500	520	109	10yr	347 VAC	5000K (cool white)	Polycarbonate	Medium
H6UGNC5WN-SNNG	45,000	380	118	10yr	347 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC5WN-SNNG	45,000	380	118	10yr	347 VAC	5000K (cool white)	Tempered glass	Medium
H6U1NC5WN-SNNG	43,250	380	113	10yr	347 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC5WN-SNNG	43,250	380	113	10yr	347 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC5WN-SNNG	42,500	380	111	10yr	347 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC5WN-SNNG	42,500	380	111	10yr	347 VAC	5000K (cool white)	Polycarbonate	Medium
Standard Models - 480 VAC Models								
H6UGNC94N-SNNG	60,000	520	115	10yr	480 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC94N-SNNG	60,000	520	115	10yr	480 VAC	5000K (cool white)	Tempered Glass	Medium
H6U1NC94N-SNNG	57,500	520	111	10yr	480 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC94N-SNNG	57,500	520	111	10yr	480 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC94N-SNNG	56,500	520	108	10yr	480 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC94N-SNNG	56,500	520	108	10yr	480 VAC	5000K (cool white)	Polycarbonate	Medium
H6UGNC9WN-SNNG	45,000	380	118	10yr	480 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC9WN-SNNG	45,000	380	118	10yr	480 VAC	5000K (cool white)	Tempered glass	Medium
H6U1NC9WN-SNNG	43,250	380	113	10yr	480 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC9WN-SNNG	43,250	380	113	10yr	480 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC9WN-SNNG	42,500	380	111	10yr	480 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC9WN-SNNG	42,500	380	111	10yr	480 VAC	5000K (cool white)	Polycarbonate	Medium

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Vigilant® LED High Bay - High Output

Ordering Information

Variable Dimming Models

Part Number	Fixture Lumen	Watt	lm/W	Warranty	Voltage	CCT	Lens	Beam Distribution
Standard Models - 120-277 VAC Models								
H6UGNC44D-SNNG	60,000	480	125	10yr	120-277 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC44D-SNNG	60,000	480	125	10yr	120-277 VAC	5000K (cool white)	Tempered glass	Medium
H6U1NC44D-SNNG	57,500	480	119	10yr	120-277 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC44D-SNNG	57,500	480	119	10yr	120-277 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC44D-SNNG	56,500	480	117	10yr	120-277 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC44D-SNNG	56,500	480	117	10yr	120-277 VAC	5000K (cool white)	Polycarbonate	Medium
H6UGNC4WD-SNNG	45,000	360	125	10yr	120-277 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC4WD-SNNG	45,000	360	125	10yr	120-277 VAC	5000K (cool white)	Tempered glass	Medium
H6U1NC4WD-SNNG	43,250	360	120	10yr	120-277 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC4WD-SNNG	43,250	360	120	10yr	120-277 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC4WD-SNNG	42,500	360	118	10yr	120-277 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC4WD-SNNG	42,500	360	118	10yr	120-277 VAC	5000K (cool white)	Polycarbonate	Medium
Standard Models - 347 VAC Models								
H6UGNC54D-SNNG	60,000	520	115	10yr	347 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC54D-SNNG	60,000	520	115	10yr	347 VAC	5000K (cool white)	Tempered glass	Medium
H6U1NC54D-SNNG	57,500	520	110	10yr	347 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC54D-SNNG	57,500	520	110	10yr	347 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC54D-SNNG	57,500	520	110	10yr	347 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC54D-SNNG	56,500	520	109	10yr	347 VAC	5000K (cool white)	Polycarbonate	Medium
H6UGNC5WD-SNNG	45,000	380	118	10yr	347 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC5WD-SNNG	45,000	380	118	10yr	347 VAC	5000K (cool white)	Tempered glass	Medium
H6U1NC5WD-SNNG	43,250	380	113	10yr	347 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC5WD-SNNG	43,250	380	113	10yr	347 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC5WD-SNNG	42,500	380	111	10yr	347 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC5WD-SNNG	42,500	380	111	10yr	347 VAC	5000K (cool white)	Polycarbonate	Medium
Standard Models - 480 VAC Models								
H6UGNC94D-SNNG	60,000	520	115	10yr	480 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC94D-SNNG	60,000	520	115	10yr	480 VAC	5000K (cool white)	Tempered glass	Medium
H6U1NC94D-SNNG	57,500	520	111	10yr	480 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC94D-SNNG	57,500	520	111	10yr	480 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC94D-SNNG	56,500	520	108	10yr	480 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC94D-SNNG	56,500	520	108	10yr	480 VAC	5000K (cool white)	Polycarbonate	Medium
H6UGNC9WD-SNNG	45,000	380	118	10yr	480 VAC	5000K (cool white)	Tempered glass	Narrow
H6UGMC9WD-SNNG	45,000	380	118	10yr	480 VAC	5000K (cool white)	Tempered glass	Medium
H6U1NC9WD-SNNG	43,250	380	113	10yr	480 VAC	5000K (cool white)	Acrylic	Narrow
H6U1MC9WD-SNNG	43,250	380	113	10yr	480 VAC	5000K (cool white)	Acrylic	Medium
H6U2NC9WD-SNNG	42,500	380	111	10yr	480 VAC	5000K (cool white)	Polycarbonate	Narrow
H6U2MC9WND-SNNG	42,500	380	111	10yr	480 VAC	5000K (cool white)	Polycarbonate	Medium

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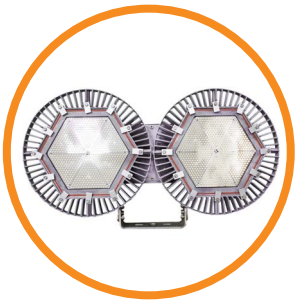
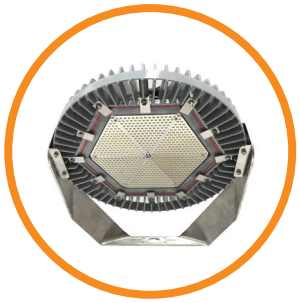
Vigilant® LED Dual Floodlight

Technical Specifications





Ratings and Certifications
• 10 year warranty
• L70 rated for >150,000 hours
• CSA C22.2 No. 250
• UL 1598/A
• IP66
• IK07

*All features not available on every model. Please refer to product part number pages for model specifics.

Mechanical Information	
Fixture weight:	56 lb (25.4 kg); 73 lb (33.1 kg)
Shipping weight:	60 lb (27.2 kg); 79 lb (35.8 kg)
EPA (Sq.ft):	2.69
Mounting:	304 stainless steel trunnion mounting bracket included
Entries:	(2) 3/4" NPT cable entries

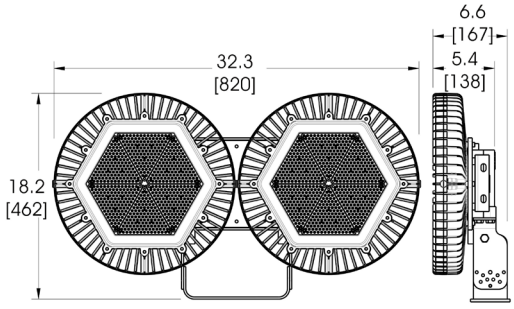
Specifications			
Voltage options:	120-277 VAC/120-250 VAC	**Housing:**	Copper-free aluminum
	347/480 VAC	**Lens:**	Tempered glass
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**CRI:**	75
Power factor:	>0.9	**CCT:**	5000K (cool white)
THD:	<20%		4000K (neutral white)
Surge protection:	Protection devices capable of handling up to 10kv. Tested for 6kv/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground		

Comparison	Warranty	L70
Dialight LED Floodlight	10yr	>150,000
Metal Halide	1	6,000
High Pressure Sodium	1	20,000

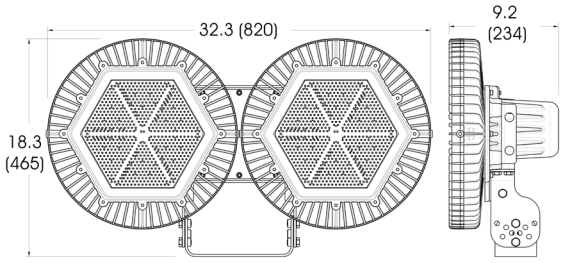
Lumens	Wattage	lm/W	Mounting Heights
55,000	424	129	50' +
53,000	424	125	↓
37,500	288	130	

Dimensions

120-277 VAC models

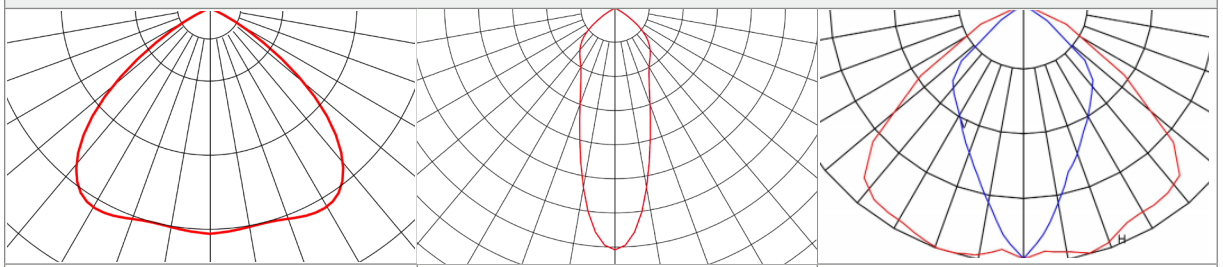


347/480 VAC models



Dimensions in inches [mm]

Beam Distribution



Medium	NEMA 6	NEMA 7x6

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Vigilant® LED Dual Floodlight

Ordering Information & Accessories

Standard Models - 120-277 VAC

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
Dual Floodlight Models							
FLWB66NC2NG	56,000	385	145	120-277 VAC	5000K (cool white)	Clear tempered glass	NEMA 6
FLWBM0NC2NG	54,000	385	140	120-277 VAC	5000K (cool white)	Clear tempered glass	Medium
FLWB76NC2NG	54,000	380	142	120-277 VAC	5000K (cool white)	Clear tempered glass	NEMA 7X6
FLW966NC2NG	39,000	270	144	120-277 VAC	5000K (cool white)	Clear tempered glass	NEMA 6
FLW976NC2NG	37,500	265	141	120-277 VAC	5000K (cool white)	Clear tempered glass	NEMA 7x6
Single Floodlight Models							
FLW666JC2NG	28,000	190	147	120-277 VAC	5000K (cool white)	Clear tempered glass	NEMA 6
FLW676JC2NG	27,000	190	142	120-277 VAC	5000K (cool white)	Clear tempered glass	NEMA 7x6

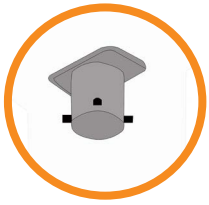
All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in the table above are cool white. For neutral white models, replace the 6th character (standard) / 8th character (legacy) with an **N**. For warm white models, replace the 6th character (standard) / 8th character (legacy) with a **W**.

Standard Models - 347/480 VAC

Part Number	Fixture Lumens	Wattage		lm/W		Voltage	CCT	Lens	Beam Distribution
		347 VAC	480 VAC	347 VAC	480 VAC				
FLWB66NC5NG	56,000	457	409	122	136	347/480 VAC	5000K (cool white)	Tempered glass	NEMA 6
FLWBM0NC5NG	54,000	457	409	118	132	347/480 VAC	5000K (cool white)	Tempered glass	Medium
FLWB76NC5NG	54,000	452	404	119	133	347/480 VAC	5000K (cool white)	Tempered glass	NEMA 7x6
FLW966NC5NG	39,000	342	294	114	132	347/480 VAC	5000K (cool white)	Tempered glass	NEMA 6
FLW976NC5NG	37,500	337	289	111	129	347/480 VAC	5000K (cool white)	Tempered glass	NEMA 7x6

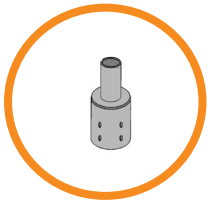
All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in the table above are cool white. For neutral white models, replace the 6th character (standard) / 8th character (legacy) with an **N**. For warm white models, replace the 6th character (standard) / 8th character (legacy) with a **W**.

HZXCBL2
- Stainless steel safety cable kit



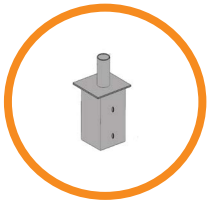
FLX-1TPT-20DB
- Tenon pole topper, 2-3/8" mount

*Bracket and adapters below require tenon adapter (FLX-1TPT-20DB) to mount floodlight. Tenon adapter is sold separately.



FLX-3RPA-20DB
- Reducer for 3" OD round pole top to 2-3/8" light mount

FLX-4RPA-20DB
- Reducer for 4" OD round pole top to 2-3/8" light mount



FLX-4SPA-20DB
- Internal tenon adapter for 4" square pole top to 2-3/8" light mount

FLX-5SPA-20DB
- Internal tenon adapter for 5" square pole top to 2-3/8" light mount

FLX-6SPA-20DB
- Internal tenon adapter for 6" square pole top to 2-3/8" light mount

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Vigilant® LED Area Light

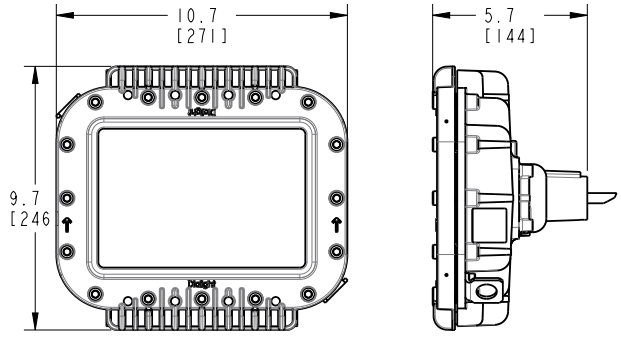
Technical Specifications

Certifications & Ratings*

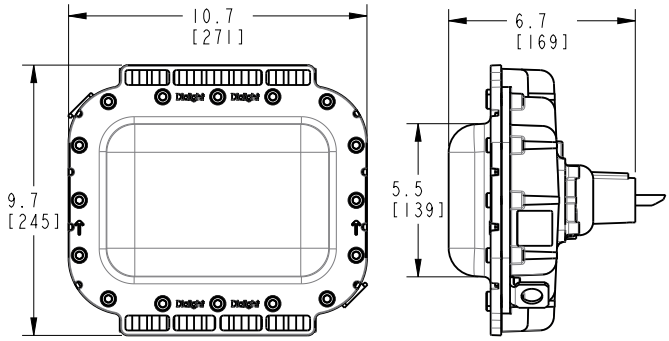
- 10 year warranty
- UL 1598/A
- CSA 22.2 No. 250
- IP66/67/69
- NEMA 4X

*ETL listed

Tempered Glass Lens



Polycarbonate Lens



Dimensions in inches [mm]

Mechanical Information:

Fixture weight:	10 lb (4.5 kg) - Polycarbonate lens 12 lb (5.4 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
1.25" horizontal slip-fit:	15 lb (6.8 kg) - Polycarbonate lens 18 lb (8.2 kg) - Tempered glass lens
Shipping weight:	Add 2 lb (0.91 kg) to weights above
Impact rating:	IK10 - Polycarbonate lens IK07 - Tempered glass lens
Vibration resistance:	Tested per IEC 60068-2-6

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:	6kV, 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 - Chemical-resistant epoxy primer
Corrosion resistance:	3,000-hour salt spray per ASTM B117
Lens:	Hard-coated polycarbonate Tempered glass

Photometric Information:

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

Ordering Information

AL	-	U	-		-		-		-	2	-		-	D	-		-		-	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

Lens Material

5	Polycarbonate - Diffused
7	Glass - Clear

Beam Distribution

A	180°
B	360°
W[1]	Wide

CCT & CRI

C	Cool White 5000K - 80 CRI
N	Neutral White 4000K - 80 CRI
W	Warm White 2700K - 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

*For lumen output see page 30

Controls

D	Dimming (0-10 VDC)

Mounting Options[2]

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

Hardware Accessories

N	For Mounting Options A, C, 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 ordering Beam Distribution W - Wide: Lumen Type = 7.

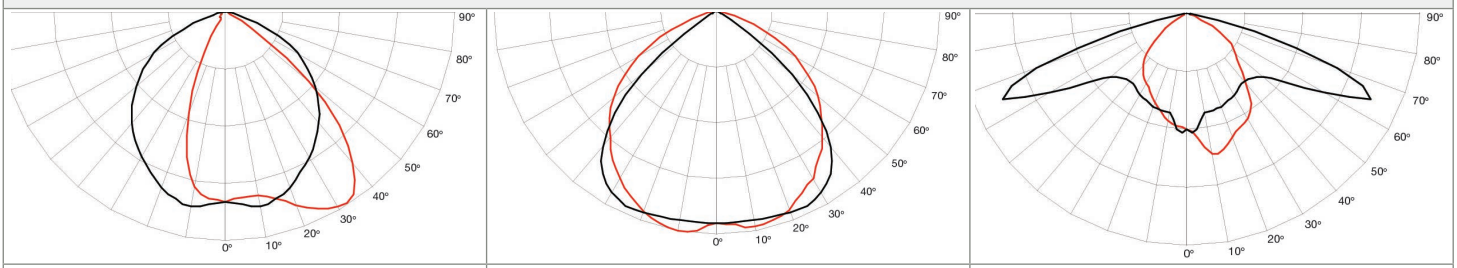
2) When ordering Mounting Options "UMA" or "Retro-fit": Hardware Accessories = N.

3) When ordering Mounting Option U - UMA Mounting Hub HZXW01, HZXW45, HZXS45 or HZXCV34 is required. See page 31 for details.

4) All names and brands are property of their respective holders.

5) Additional features and selections are available, please see the UL Area Light Technical Spec Sheet or your Dialight representative for more information

Beam Distribution



180°	360°	Wide

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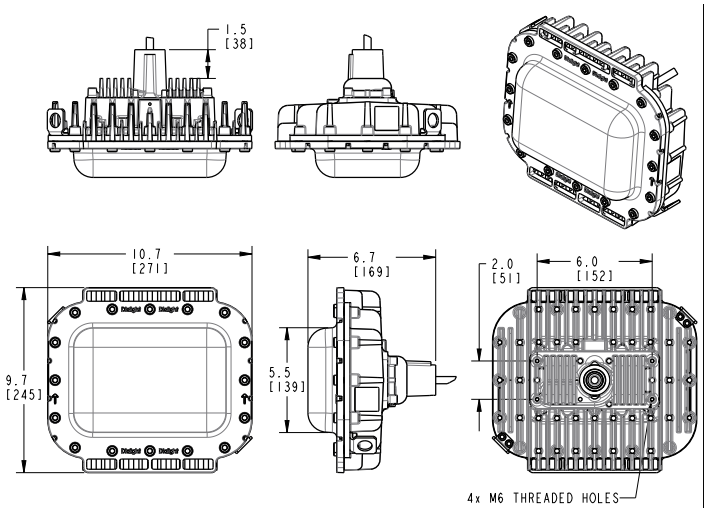
Vigilant® LED Area Light

Lumen Tables & Dimensional Drawings

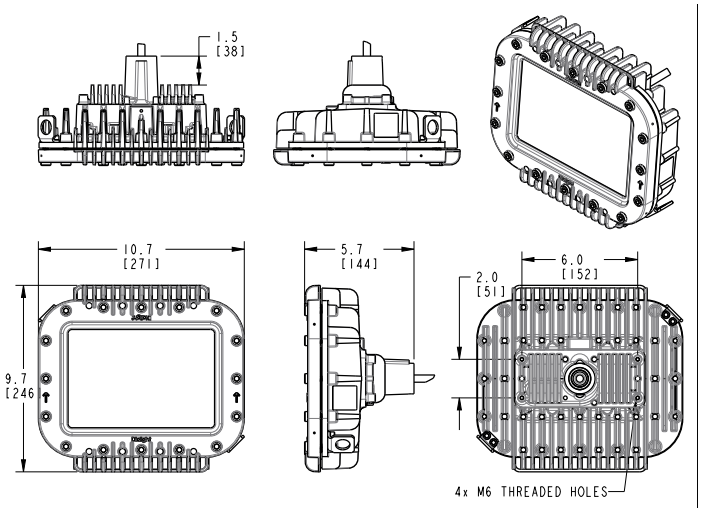
100-277 VAC, 120-250 VDC									
Lumen Letter	Output Family	Beam Distribution Character	Beam Distribution	Lens Character	Lens Material	Wattage	Lumens 5000 CCT	Lumens 4000 CCT	Lumens 2700 CCT
9	9,000	B	360°	7	1/4" AR Glass	66	9000	8800	8200
				5	Polycarbonate		8300	8100	7600
		A	180°	7	1/4" AR Glass		8800	8600	8000
				5	Polycarbonate		8100	7900	7400
7	7,300	B	360°	7	1/4" AR Glass	52	7300	7100	6700
				5	Polycarbonate		6700	6500	6100
		A	180°	7	1/4" AR Glass		7100	6900	6500
				5	Polycarbonate		6600	6400	6000
		W	Wide	7	1/4" AR Glass	64	7300	7100	6700
				5	Polycarbonate		6700	6500	6100
6	5,700	B	360°	7	1/4" AR Glass	40	5700	5500	5200
				5	Polycarbonate		5300	5100	4800
		A	180°	7	1/4" AR Glass		5500	5300	5000
				5	Polycarbonate		5100	4900	4600
4	4,200	B	360°	7	1/4" AR Glass	30	4200	4100	3800
				5	Polycarbonate		3900	3800	3900
		A	180°	7	1/4" AR Glass		4100	4000	4100
				5	Polycarbonate		3800	3700	3400
3	3,100	B	360°	7	1/4" AR Glass	24	3100	3000	2800
				5	Polycarbonate		2800	2700	2500
		A	180°	7	1/4" AR Glass		3000	2900	2700
				5	Polycarbonate		2800	2700	2500

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

Polycarbonate Lens - Option 5



Glass Lens - Option 7



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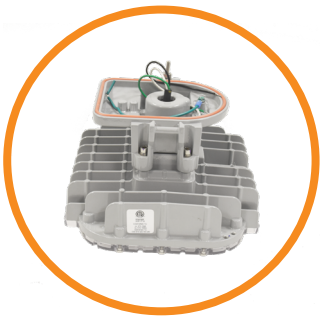
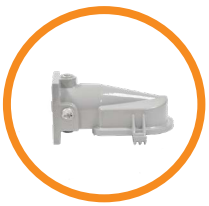
Vigilant® LED Area Light

Accessories



ALxxxx2xDUNxGN

Fixtures are available with a factory-installed universal mounting adapter (UMA), see product N-chart for details. Choose from one of the four available mounting options:



Wall Mount
HZXW01

45° Wall Mount
HZXW45

45° Stanchion Mount
HZXS45

1.25" Slip-fit Pole Mount
HZXCV34

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

HZXSAFECBLS
- Safety cable kit

HZXW3
- 316 stainless steel bracket

HZXW7
- Aluminum bracket

HZXW4
- 316 stainless steel bracket with 1.5" pipe clamp

HZXW8
- Aluminum bracket with 1.5" pipe clamp

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 N-chart 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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DuroSite® LED Floodlight

Technical Specifications

Ratings and Certifications
• 10 year warranty
• L70 rated for >100,000 hours
• CSA C22.2 No. 250
• UL 1598/A
• IP66/67
• IK07 (glass) / IK10 (polycarbonate)
• NEMA 4X

*All features not available on every model. Please refer to product part number pages for model specifics.

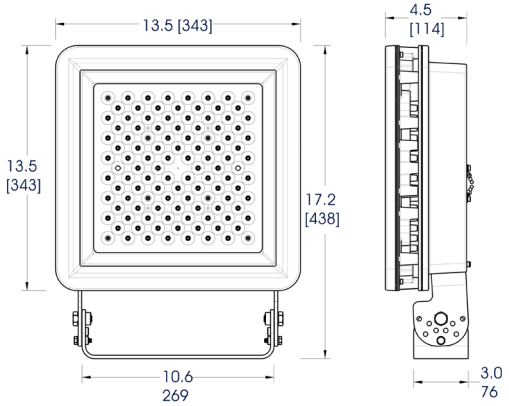
Mechanical Information	
Fixture weight:	30 lb (13.6 kg)
Shipping weight:	34 lb (15.4 kg)
EPA (Sq.ft):	1.66 sq.ft
Cabling:	304 stainless steel trunnion mounting bracket included
Entry:	(2) 3/4" NPT cable entry

Specifications			
Voltage options:	100-277 VAC	**Housing:**	Copper-free aluminum
		Lens:	Tempered glass
	347-480 VAC		Polycarbonate
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**CRI:**	75
Power factor:	>0.9	**CCT:**	5000K (cool white)
THD:	<20%		4000K (neutral white)
Surge protection:	IEC 61000-4-5 6kV line-to-line, 6kV line-to-ground		

Comparison		
	Warranty	**L70**
Dialight LED Floodlight	10yr	>100,000
Metal Halide	1	6,000
High Pressure Sodium	1	20,000

Lumens	Wattage	lm/W	Mounting Heights
15,000	135	111	30'
14,750	135	109	
13,500	140	96	
11,500	106	108	
11,250	106	106	
11,000	106	104	
10,750	106	101	
10,500	106	99	15'

Dimensions



Dimensions in inches [mm]

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DuroSite® LED Floodlight

Ordering Information

Part Number	Fixture Lumens	Watt	lm/W	Voltage	Lens	CCT	Beam Distribution
100-277 VAC Models - Glass Lens							
FLW466NC4NG	15,000	135	111	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 6 (115°)
FLW476NC4NG	14,750	135	109	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 7x6 (140° x 115°)
FLW467NC4NG	14,750	135	109	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 6x7 (115° x 140°)
FLW455NC4NG	14,500	140	104	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 5 (93°)
FLW444NC4NG	14,500	140	104	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 4 (52°)
FLW422NC4NG	13,500	140	96	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 2 (23°)
FLW276NC2NG	11,500	106	108	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 7x6 (140° x 115°)
FLW267NC2NG	11,500	106	108	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 6x7 (115° x 140°)
FLW266NC2NG	11,250	106	106	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 6 (115°)
FLW255NC2NG	11,000	106	104	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 5 (93°)
FLW244NC2NG	10,500	106	99	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 4 (52°)
FLW222NC2NG	10,750	106	101	100-277 VAC	Tempered glass	5000K (cool white)	NEMA 2 (23°)
100-277 VAC Models - Polycarbonate Lens							
FLW466NC4NP	14,000	135	104	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 6 (115°)
FLW476NC4NP	13,750	135	102	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 7x6 (140° x 115°)
FLW467NC4NP	13,750	135	102	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 6x7 (115° x 140°)
FLW455NC4NP	13,500	140	96	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 5 (93°)
FLW444NC4NP	13,500	140	96	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 4 (52°)
FLW422NC4NP	12,500	140	89	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 2 (23°)
FLW276NC2NP	10,500	106	99	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 7x6 (140° x 115°)
FLW267NC2NP	10,500	106	99	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 6x7 (115° x 140°)
FLW266NC2NP	10,250	106	97	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 6 (115°)
FLW255NC2NP	10,000	106	94	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 5 (93°)
FLW244NC2NP	9,500	106	89	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 4 (52°)
FLW222NC2NP	9,750	106	92	100-277 VAC	Polycarbonate	5000K (cool white)	NEMA 2 (23°)
347-480 VAC Models - Glass Lens							
FLW276NC5NG	11,750	112	105	347-480 VAC	Tempered glass	5000K (cool white)	NEMA 7x6 (140° x 115°)
FLW266NC5NG	11,250	112	100	347-480 VAC	Tempered glass	5000K (cool white)	NEMA 6 (115°)
FLW255NC5NG	10,000	112	89	347-480 VAC	Tempered glass	5000K (cool white)	NEMA 5 (93°)
FLW244NC5NG	10,000	112	89	347-480 VAC	Tempered glass	5000K (cool white)	NEMA 4 (52°)
FLW222NC5NG	10,000	112	89	347-480 VAC	Tempered glass	5000K (cool white)	NEMA 2 (23°)

All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in the table above are cool white. For neutral white models, replace the 8th character with an **N**. For bronze powder coat, replace the 10th character with a **Z**.

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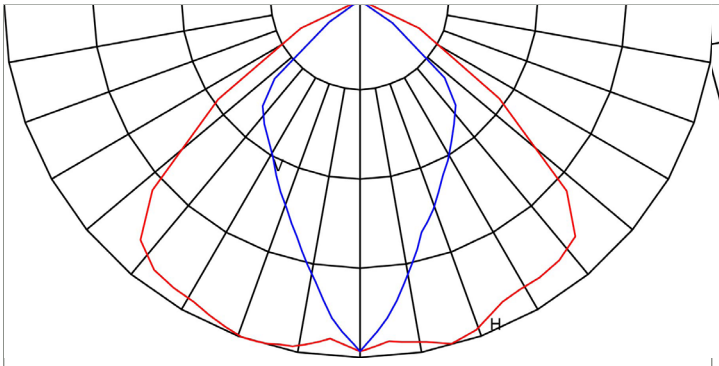
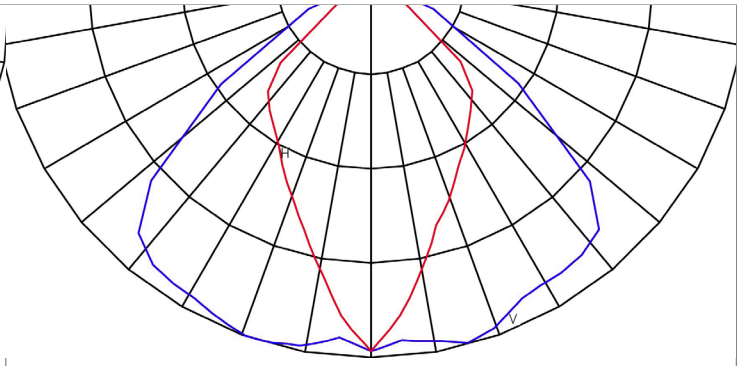
DuroSite® LED Floodlight

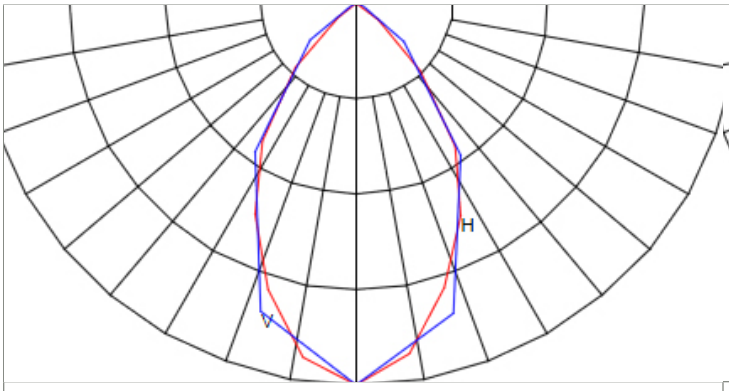
Beam Distributions



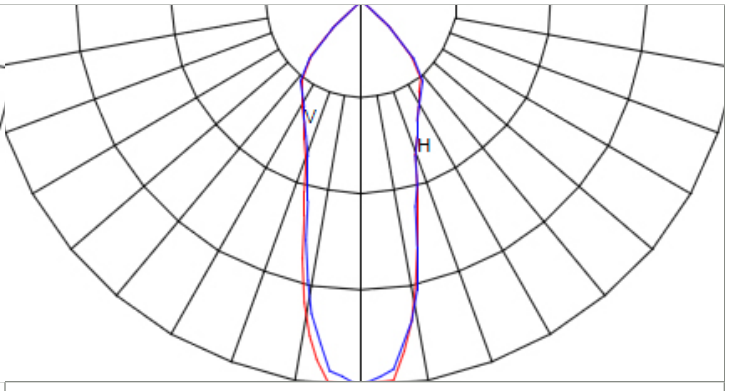
NEMA 7x6
Field angle=140° x 115°



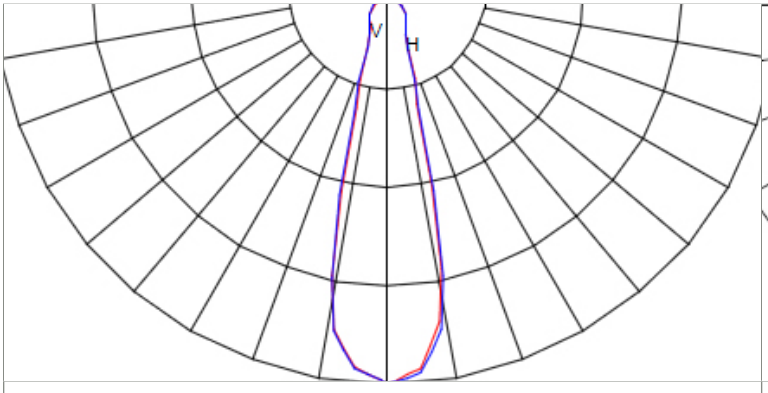
NEMA 6x7
Field angle= 115° x 140°



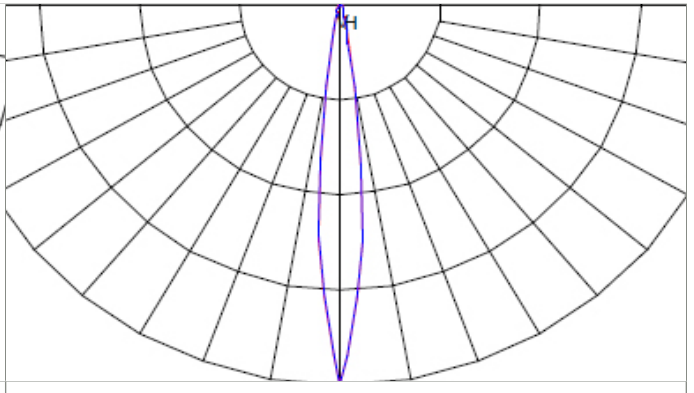
NEMA 6
Field angle = 115°



NEMA 5
Field angle = 93°



NEMA 4
Field angle = 52°



NEMA 2
Field angle = 23°

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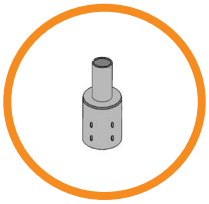
DuroSite® LED Floodlight

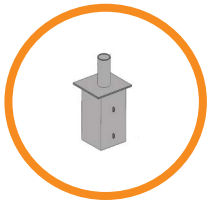
Accessories



FLX-3RPA-20DB
- Reducer for 3" OD round pole top to 2-3/8" light mount

FLX-4RPA-20DB
- Reducer for 4" OD round pole top to 2-3/8" light mount

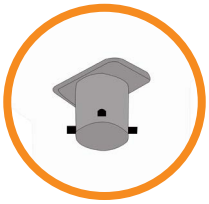
HZXCBL2
- Stainless steel safety cable kit



FLX-4SPA-20DB
- Internal tenon adapter for 4" square pole top to 2-3/8" light mount

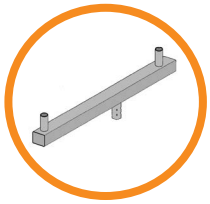
FLX-5SPA-20DB
- 5" square pole top to 2-3/8" light mount

FLX-6SPA-20DB
- 6" square pole top to 2-3/8" light mount



FLX-1TPT-20DB
- Tenon pole topper, 2-3/8" mount

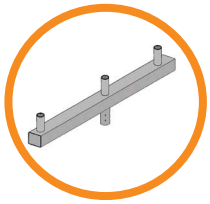
FLX-1RAB-20DB
- Tenon pole topper, 2-3/8" mount



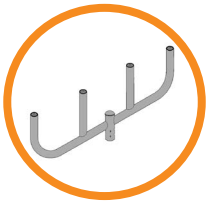
FLX-2RSR-20DB
- Round square round bracket for 2 lights, 2-3/8" mount, 21" spacing

FLX-2LBH-20DB
- Bull horn for 2 lights, 2-3/8" mount, 21" spacing

FLX-3LBH-20DB
- Bull horn for 3 lights, 2-3/8" mount, 21" spacing

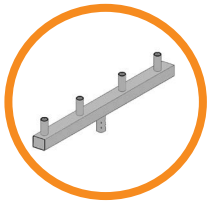


FLX-3RSR-20DB
- Round square round bracket for 3 lights, 2-3/8" mount, 21" spacing



FLX-4LBH-20DB
- Bull horn for 4 lights, 2-3/8" mount, 21" spacing

FLX-4RBH-20DB
- Bull horn for 4 lights in star configuration, 2-3/8" mount, 21" spacing



FLX-4RSR-20DB
- Round square round bracket for 4 lights, 2-3/8" mount, 21" spacing

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DuroSite® LED Area Light

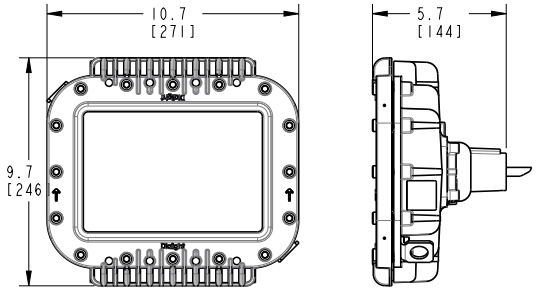
Technical Specifications - 24-48 VDC, 347-480 VAC, Battery Backup Models

Certifications & Ratings*

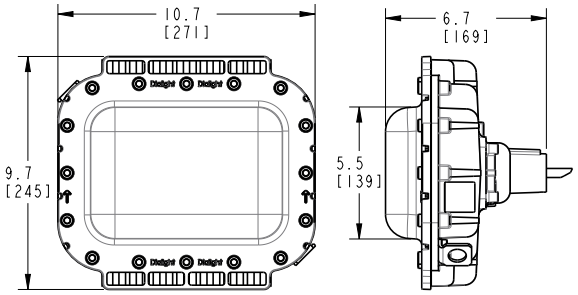
- 5 year warranty
- UL 1598/A
- CSA 22.2 No. 250
- IP66/67
- NEMA 4X

*ETL listed

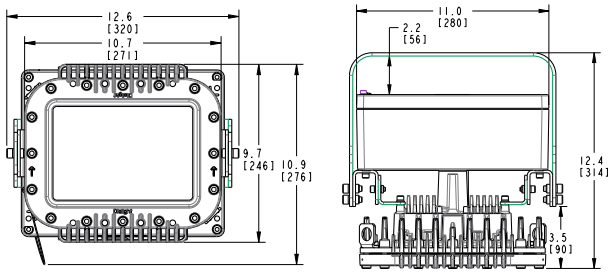
Tempered Glass Lens



Polycarbonate Lens



Battery Backup



Mechanical Information:

Fixture weight:	10 lb (4.5 kg) - Polycarbonate lens 12 lb (5.4 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 (7.8 kg) - Tempered glass lens
45° stanchion mount:	15 lb (6.7 kg) - Polycarbonate lens 18 lb (8.1 kg) - Tempered glass lens
34mm conveyor mount:	15 lb (6.7 kg) - Polycarbonate lens 18 lb (8.1 kg) - Tempered glass lens
Battery backup:	35 lb (15.9 kg) - Polycarbonate lens 37 lb (16.8 kg) - Tempered glass lens
Shipping weight:	Add 2 lb (0.91 kg) to weights above
Cabling: 347-480 VAC & 24-48 VDC Battery backup	 10' (3.5 m) 5 conductor SOOW Wiring compartment
Impact rating:	IK10 - Polycarbonate lens IK07 - Tempered glass lens

Electrical Specifications:

Operating voltage:	347-480 VAC 24-28 VDC 120-277 VAC - Battery backup
Total system power consumption:	See table on pg. 34
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:	6kV, 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 - Chemical-resistant epoxy primer
Corrosion resistance:	3,000-hour salt spray per ASTM B117
Lens:	Hard-coated polycarbonate Tempered glass

Photometric Information:

CRI:	75
CCT:	5000K (cool white) 4000K (neutral white)
Optics:	360° 180° forward throw for 45° mounting

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

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DuroSite® LED Area Light

Ordering Information - 24-48 VDC, 347-480 VAC, Battery Backup Models

AL	-	U	-		-		-		-		-		-	N	-		-		-	N	-	G	-	
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

Lens Material

5	Polycarbonate - Diffused
7	Glass - Clear

Beam Distribution

A	180°
B	360°

CCT & CRI

B	Cool White 5000K - 70 CRI
L	Neutral White 4000K - 70 CRI

Operating Voltage

2[4]	120 - 277 VAC - Battery Backup
5	347 - 480 VAC
6	24 - 48 VDC

Lumen Type[3]

480 VAC	24-48 VDC	120V Battery Backup
	2 0.1-2K	
4 3.1-4K		
5 4.1-5K	5 4.1-5K	
6 5.1-6K		
7 6.1-7K	7 6.1-7K	7 6.1-7K

Controls

N	No Options

Mounting Options[1]

	Retro-fit Adapter[4]
	Universal Mounting Adapter (UMA)
A	Appleton Mercmaster III
B	Swivel Bracket, Locking 0°- 90° 316 Stainless Steel
C	Crouse-Hinds - Champ
G	GE Filtr-Gard
H	Thomas & Betts Hazlux
K	Killark Certilite & Certilite V
M	Appleton Mercmaster II
N	3/4" NPT
S	45° Stanchion Mount
U[2]	UMA - Mounting Hub
V	0° Wall Mount
W	45° Wall Mount
Y	34mm Conveyor Mount

Hardware Accessories

N	Wire leads for Mounting Options - A, C, G, H, K, M, S, U, V, W, Y
W	10 ft (3 meter) Power Cable for Mounting Options - B, N

Electrical Accessories

N	No Option

Coatings

G	Gray (RAL 7040)

Battery

F	3.6V 10Ah Nimh
N	No Option

Notes

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

2) Terminal block options only available when using "UMA" mounting options.

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

4) All names and brands are property of their respective holders.

Additional features and selections are available, please see the UL Area Light Technical Spec Sheet or your Dialight representative for more information.

4) Notes - When Ordering Battery Backup Models Use...

Operating Voltage = **2** 120-277 VAC

Beam Distribution = **A** 180° or **B** 360°

Mounting Options = **N** (stainless steel bracket included)

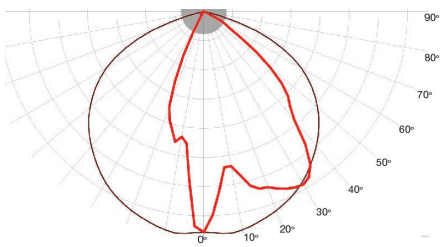
Hardware Accessories = **N** (junction box included)

Electrical Accessories = **N** (wiring via 3 positions push down terminal block)

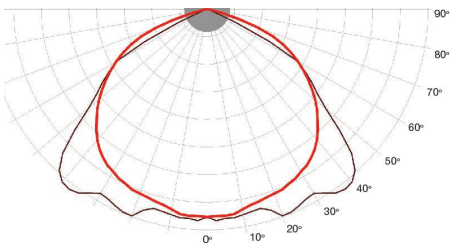
Battery = **F** @ 25°C ambient - est. >3 hours

Battery backup circuit can be wired in sustained or maintained configurations

Beam Distribution



180°



360°

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DuroSite® LED Area Light

Lumen Tables - 24-48 VDC, 347-480 VAC, Battery Backup Models

340-480 VAC								
Lumen Letter	Output Family	Beam Distribution Character	Beam Distribution	Lens Character	Lens Material	Wattage	Lumens 5000 CCT	Lumens 4000 CCT
7	7,250	B	360°	7	1/4" AR Glass	68	7200	7100
				5	Polycarbonate		6900	6800
		A	180°	7	1/4" AR Glass		7200	7100
				5	Polycarbonate		6900	6800
6	6,000	B	360°	7	1/4" AR Glass	58	6000	5800
				5	Polycarbonate		5700	5600
		A	180°	7	1/4" AR Glass		6000	5800
				5	Polycarbonate		5700	5600
5	5,000	B	360°	7	1/4" AR Glass	47	5000	4900
				5	Polycarbonate		4800	4700
		A	180°	7	1/4" AR Glass		5000	4900
				5	Polycarbonate		4800	4700
4	4,000	B	360°	7	1/4" AR Glass	38	4000	3900
				5	Polycarbonate		3800	3700
		A	180°	7	1/4" AR Glass		4000	3900
				5	Polycarbonate		3800	3700

24-48 VDC								
Lumen Letter	Output Family	Beam Distribution Character	Beam Distribution	Lens Character	Lens Material	Wattage	Lumens 5000 CCT	Lumens 4000 CCT
7	7,000	B	360°	7	1/4" AR Glass	71	7000	6800
				5	Polycarbonate		6700	6500
		A	180°	7	1/4" AR Glass		7000	6800
				5	Polycarbonate		6700	6500
5	5,000	B	360°	7	1/4" AR Glass	49	5000	4900
				5	Polycarbonate		4800	4700
		A	180°	7	1/4" AR Glass		5000	4900
				5	Polycarbonate		4800	4700
4	3,000	B	360°	7	1/4" AR Glass	27	3000	2900
				5	Polycarbonate		2800	2800
		A	180°	7	1/4" AR Glass		3000	2900
				5	Polycarbonate		2800	2800

100-277 VAC Battery Backup								
Lumen Letter	Output Family	Beam Distribution Character	Beam Distribution	Lens Character	Lens Material	Wattage	Lumens 5000 CCT	Lumens 4000 CCT
7	7,500	B	360°	7	1/4" AR Glass	v	7500	7300
				5	Polycarbonate		7200	7000
		A	180°	7	1/4" AR Glass		7500	7300
				5	Polycarbonate		7200	7000

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

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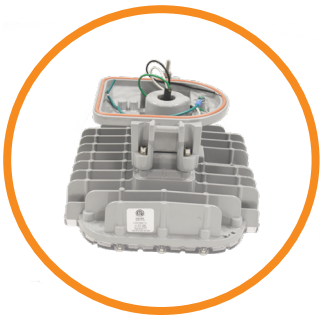
DuroSite® LED Area Light

Accessories - 24-48 VDC, 347-480 VAC, Battery Backup Models

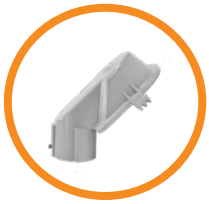


ALxxxx2xDUNxGN

Fixtures are available with a factory-installed universal mounting adapter (UMA), see product N-chart for details. Choose from one of the four available mounting options:

Wall Mount
HZXW01

45° Wall Mount
HZXW45



45° Stanchion Mount
HZXS45

1.25" Slip-fit Pole Mount
HZXCV34

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

HZXSAFECBLS
- Safety cable kit

HZXW3
- 316 stainless steel bracket

HZXW7
- Aluminum bracket

HZXW4
- 316 stainless steel bracket with 1.5" pipe clamp

HZXW8
- Aluminum bracket with 1.5" pipe clamp

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

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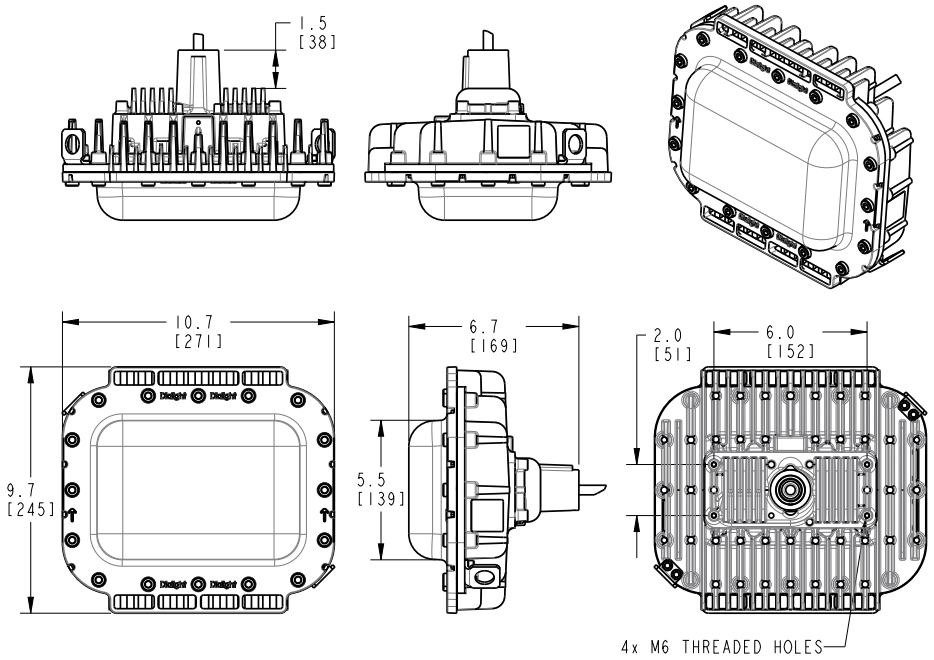
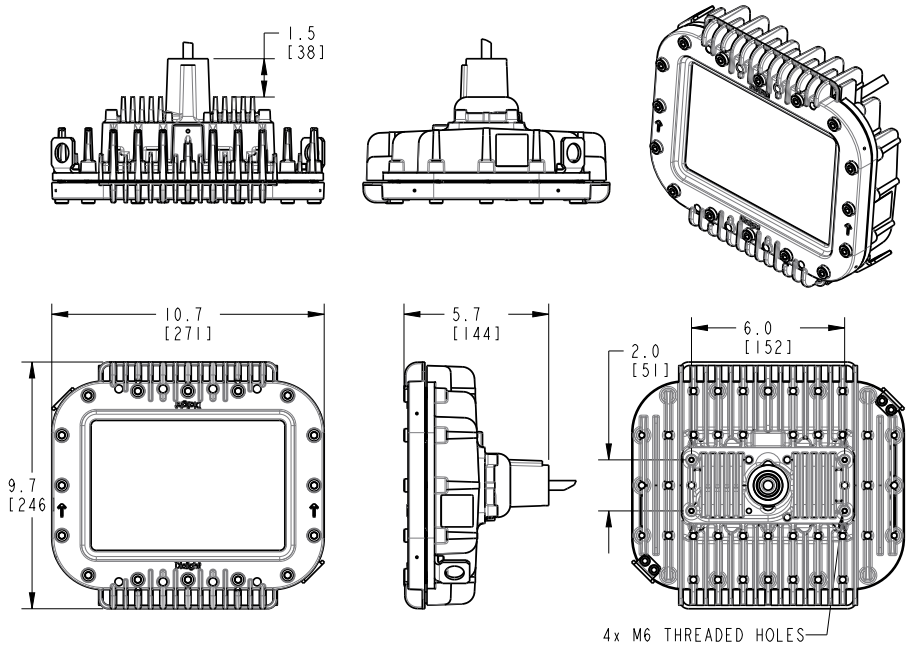
DuroSite® LED Area Light

Dimensional Drawings - 24-48 VDC, 347-480 VAC, Battery Backup Models

Polycarbonate Lens - Option 5



Tempered Glass Lens - Option 7



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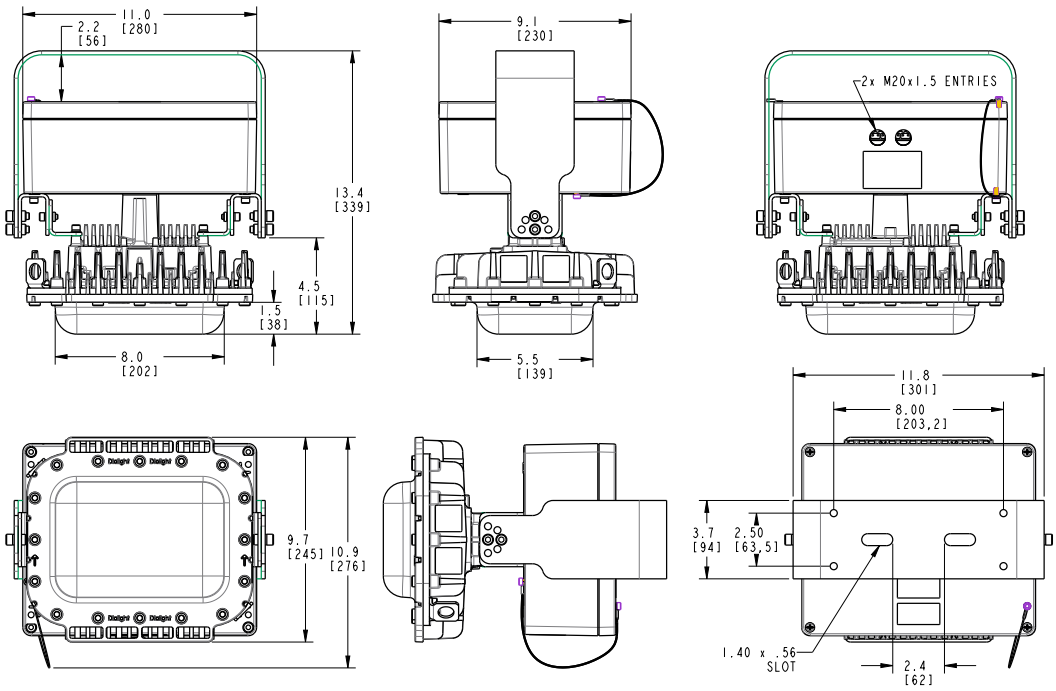
DuroSite® LED Area Light

Dimensional Drawings - 24-48 VDC, 347-480 VAC, Battery Backup Models

Battery Backup Model



DuroSite® LED Area Light

Retro-fit Options

Retro-fit adapters can be factory installed. See product N-chart 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 End-to-End Linear

Technical Specifications

Ratings and Certifications
• 5 year warranty
• L70 rated for >125,000 hours
• CSA C22.2 No. 250
• UL 1598/A
• IP66/67
• NEMA 4X

*All features not available on every model. Please refer to product part number pages for model specifics.

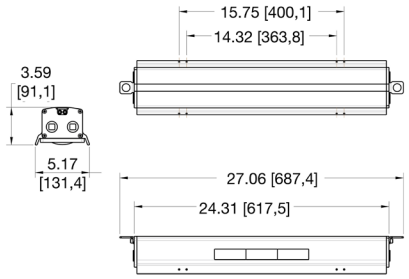
Mechanical Information	
Fixture weight:	
4' model:	18 lb (8.2 kg)
2' model:	13 lb (5.9 kg)
Shipping weight:	
4' model:	20 lb (9.1 kg)
2' model:	15 lb (6.8 kg)
Mounting:	(4) 3/4" NPT openings
	Optional ceiling, flush or swivel mounting bracket

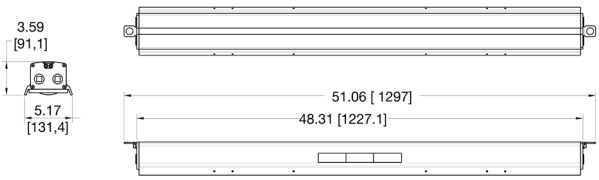
Specifications			
Voltage:	120-277 VAC	**Housing:**	Extruded 6063 aluminum
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**Lens:**	Polycarbonate
Power factor:	>0.9	**CRI:**	80
THD:	<20%	**CCT:**	5000K (cool white)
Surge protection:	6kV line-to-line, 6kV line-to-ground		4000K (neutral white)

Comparison			
	Warranty	**L70**	**T-Rating**
Dialight LED Linear	5yr	>125,000	T5
Metal Halide	1	6,000	T2
High Pressure Sodium	1	20,000	T2A
Fluorescent	1	24,000	T3

Lumens	Wattage	lm/W	Mounting Heights
7,500	60	125	20'
6,750	60	112	
4,000	32	125	
3,500	32	109	10'

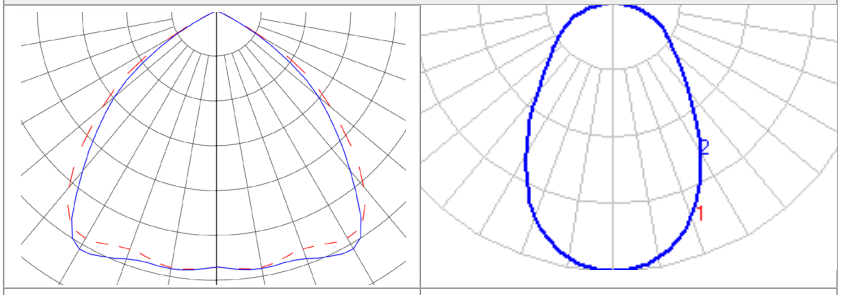
Dimensions





Dimension in inches [mm]

Beam Distribution



Clear Lens | Diffused Lens

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DuroSite® LED End-to-End Linear

Ordering Information & Accessories

Part Number	Length	CRI	Fixture Lumens	Watt	lm/W	Voltage	CCT	Lens	Beam Distribution
LBU2MB3FNNNNGN	4'	80	7,500	60	125	120-277 VAC	5000K (cool white)	Clear polycarbonate	Medium
LBU6MB3FNNNNGN	4'	80	6,750	60	112	120-277 VAC	5000K (cool white)	Diffused polycarbonate	Medium
LAU2MB3BNNNNGN	2'	80	4,000	32	125	120-277 VAC	5000K (cool white)	Clear polycarbonate	Medium
LAU6MB3BNNNNGN	2'	80	3,500	32	109	120-277 VAC	5000K (cool 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 models, replace the 6th character with an **N**.

Swivel Mount

EEX-S6

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

Ceiling Mount

EEX-C6

- 316 stainless steel fixed ceiling mount

Flush Mount

EEX-F6

- 316 stainless steel flush mount

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DuroSite® LED Linear - Low Profile

Technical Specifications

Ratings and Certifications
• 5 year warranty
• L70 rated for >100,000 hours
• CSA C22.2 No. 250
• UL 1598/A
• IP66/67
• NEMA 4X

*All features not available on every model. Please refer to product part number pages for model specifics.

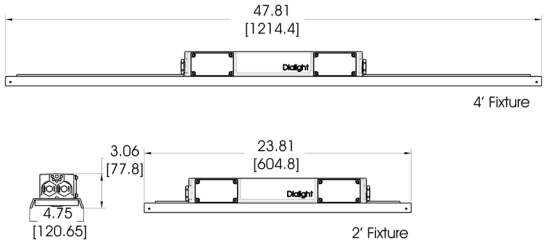
Mechanical Information	
Fixture weight:	
4' model:	10 lb (4.5 kg)
2' model:	7 lb (3.2 kg)
Shipping weight:	
4' model:	11 lb (5.0 kg)
2' model:	8 lb (3.6 kg)
Mounting:	(4) 3/4" NPT openings
	Optional swivel bracket - LPXW4
	Optional low profile bracket - LPXW4LP

Specifications			
Voltage:	100-277 VAC	**Housing:**	Copper-free aluminum
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**Lens:**	Polycarbonate
Power factor:	>0.9	**CRI:**	75 / 80
THD:	<20%	**CCT:**	5000K (cool white)
Surge protection:	4kV line-to-line, 4kV line-to-ground		4000K (neutral white)

Comparison		
	Warranty	**L70**
Dialight LED Linear	5yr	>100,000
Metal Halide	1	6,000
High Pressure Sodium	1	20,000
Fluorescent	1	24,000

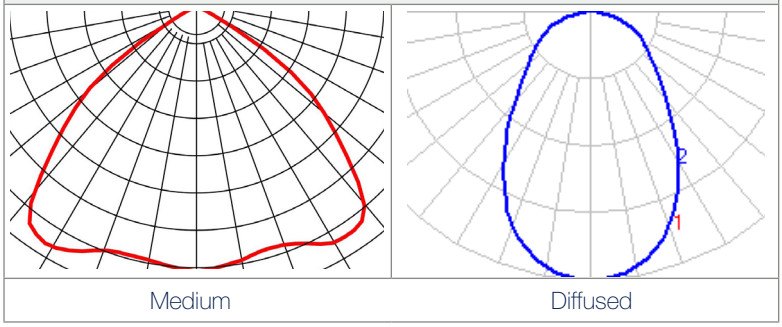
Lumens	Wattage	lm/W	Mounting Heights
7,250	66	110	20'
6,900	66	105	
3,500	33	106	
3,300	33	100	10'

Dimensions



Dimension in inches [mm]

Beam Distribution



Medium Diffused

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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'	75	7,250	66	110	100-277 VAC	5000K (cool white)	Clear polycarbonate	Medium
LPM3C4H2W	4'	75	6,700	66	102	100-277 VAC	5000K (cool white)	Diffused olycarbonate	Medium
LPM3B4M2P	4'	80	6,500	66	98	100-277 VAC	5000K (cool white)	Clear polycarbonate	Medium
LPM3B4H2W	4'	80	6,000	66	91	100-277 VAC	5000K (cool white)	Diffused polycarbonate	Medium
LPM3C4D2P	2'	75	3,600	33	109	100-277 VAC	5000K (cool white)	Clear polycarbonate	Medium
LPM3C4B2W	2'	75	3,300	33	100	100-277 VAC	5000K (cool white)	Diffused polycarbonate	Medium
LPM3B4D2P	2'	80	3,200	33	97	100-277 VAC	5000K (cool white)	Clear polycarbonate	Medium
LPM3B4B2W	2'	80	2,900	33	88	100-277 VAC	5000K (cool 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 models, replace the 5th character with an **N**.

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

Ratings and Certifications
• 5 year warranty
• L70 rated for >100,000 hours
• CSA C22.2 No. 250
• UL 1598/A
• IP66
• NEMA 4X

*All features not available on every model. Please refer to product part number pages for model specifics.

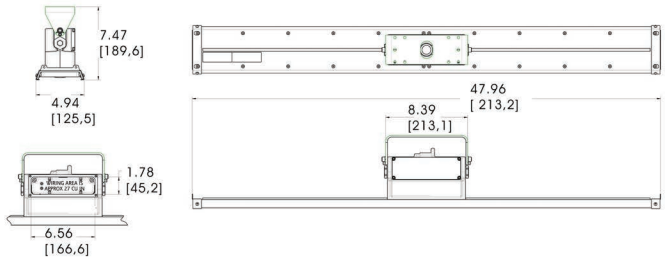
Mechanical Information	
Fixture weight:	
4' model:	10 lb (4.5 kg)
2' model:	7 lb (3.2 kg)
Shipping weight:	
4' model:	11 lb (5.0 kg)
2' model:	8 lb (3.6 kg)
Mounting:	(3) 3/4" NPT-threaded openings
	Optional swivel bracket - LTXW4
	Optional low profile bracket - LTXW4LP

Specifications			
Voltage:	100-277 VAC	**Housing:**	Copper-free aluminum
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**Lens:**	Polycarbonate
Power factor:	>0.9	**CRI:**	75 / 80
THD:	<20%	**CCT:**	5000K (cool white)
Surge protection:	4kV line-to-line, 4kV line-to-ground		4000K (neutral white)

Comparison		
	Warranty	**L70**
Dialight LED Linear	5yr	>100,000
Metal Halide	1	6,000
High Pressure Sodium	1	20,000
Fluorescent	1	24,000

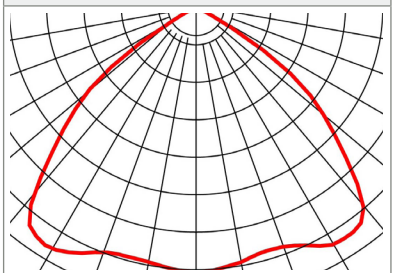
Lumens	Wattage	lm/W	Mounting Heights
7,250	66	110	20'
6,900	66	105	↕
3,500	33	106	↕
3,300	33	100	10'

Dimensions



Dimension in inches [mm]

Beam Distribution



Medium

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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'	75	7,250	66	110	100-277 VAC	5000K (cool white)	Clear polycarbonate	Medium
LTM3C4H2W	4'	75	6,700	66	102	100-277 VAC	5000K (cool white)	Diffused polycarbonate	Medium
LTM3B4M2P	4'	80	6,500	66	98	100-277 VAC	5000K (cool white)	Clear polycarbonate	Medium
LTM3B4H2W	4'	80	6,000	66	91	100-277 VAC	5000K (cool white)	Diffused polycarbonate	Medium
LTM3C4D2P	2'	75	3,600	33	109	100-277 VAC	5000K (cool white)	Clear polycarbonate	Medium
LTM3C4B2W	2'	75	3,300	33	100	100-277 VAC	5000K (cool white)	Diffused polycarbonate	Medium
LTM3B4D2P	2'	80	3,200	33	97	100-277 VAC	5000K (cool white)	Clear polycarbonate	Medium
LTM3B4B2W	2'	80	2,900	33	88	100-277 VAC	5000K (cool 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 models, replace the 5th character with an **N**.

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

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DuroSite® LED Linear - Battery Backup

Technology Specifications

Ratings and Certifications
• 5 year warranty
• L70 rated for >125,000 hours
• CSA C22.2 No. 250
• UL 1598/A
• UL 924
• IP66
• NEMA 4X

*All features not available on every model. Please refer to product part number pages for model specifics.

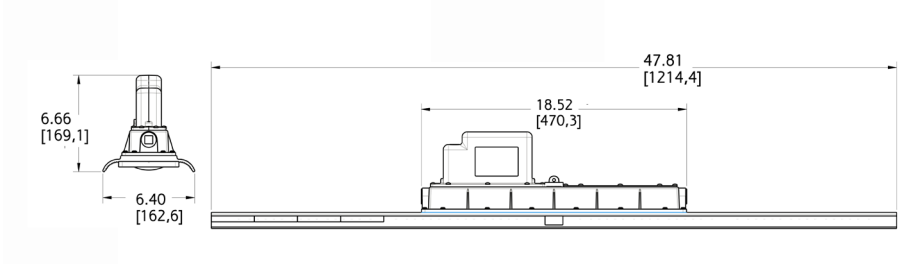
Mechanical Information	
Fixture weight:	18 lb (8.2 kg)
Shipping weight:	21 lb (9.5 kg)
Mounting:	(1) Threaded 3/4" NPT Side
	(2) Threaded 3/4" NPT Ends

Specifications			
Voltage:	120-277 VAC	**Housing:**	Copper-free aluminum
Operating temp:	-4°F to +149°F (-20°C to +65°C)	**Lens:**	Polycarbonate
Power factor:	>0.9	**CRI:**	75
THD:	<20%	**CCT:**	5000K (cool white)
Surge protection:	1kV line-to-line, 2kV line-to-ground		4000K (neutral white)
Battery:	3.6V 10Ah Nimh	**Battery Duration:**	@ 25°C ambient - est. >3 hours

Comparison		
	Warranty	**L70**
Dialight LED Linear	5yr	>125,000
Metal Halide	1	6,000
High Pressure Sodium	1	20,000
Fluorescent	1	24,000

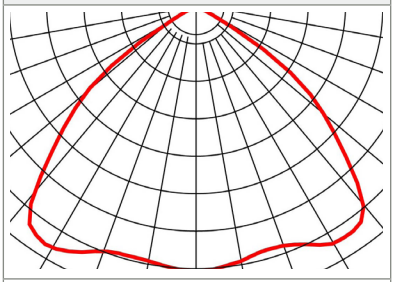
Lumens	Wattage	lm/W	Mounting Heights
7,000	85	82	20' and under

Dimensions



Dimension in inches [mm]

Beam Distribution



Medium

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.

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DuroSite® LED Linear - Battery Backup

Ordering Information & Accessories

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

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

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 Wallpack / Bulkhead

Technical Specifications

Ratings and Certifications

- 5 year warranty
- L70 rated for >150,000 hours
- CSA C22.2 No. 250
- UL 1598/A
- IP66/67
- RoHS compliant

*All features not available on every model. Please refer to product part number pages for model specifics.

Mechanical Information

Fixture weight:	11 lb (5.0 kg)
Shipping weight:	16 lb (7.3 kg)
Cable Entry:	All cable entries are drilled and tapped (see ordering options)

Specifications

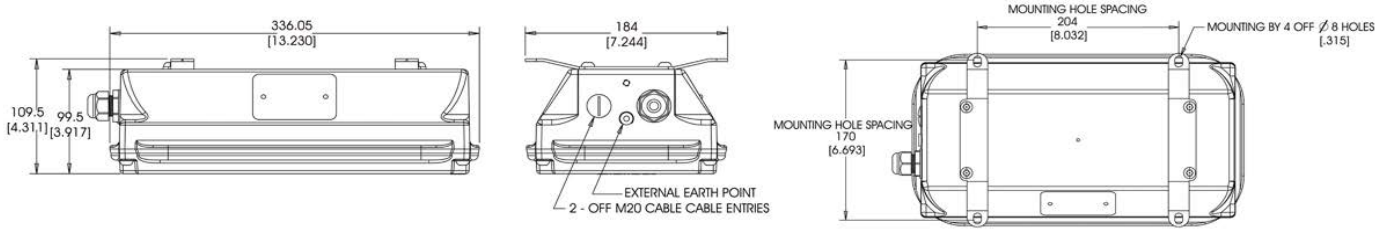
Voltage options:	100-277 VAC 24 - 48V DC	**Housing:**	Copper-free LM6 cast aluminum
		Lens:	High impact resistance clear glass
Operating temp:			
11W / 22W	-40°F to +140°F (-40°C to +60°C)	**CRI:**	75
34W	-40°F to +122°F (-40°C to +50°C)		
Power factor:	>0.9	**CCT:**	5650K (cool white)
THD:	<20%		4300K (neutral white)
Surge protection:	1kV line-to-line, 2kV line-to-ground		

Comparison

	Warranty	L70
Dialight LED Wallpack / Bulkhead	5yr	>150,000
Metal Halide	1	6,000
High Pressure Sodium	1	20,000
Fluorescent	1	24,000

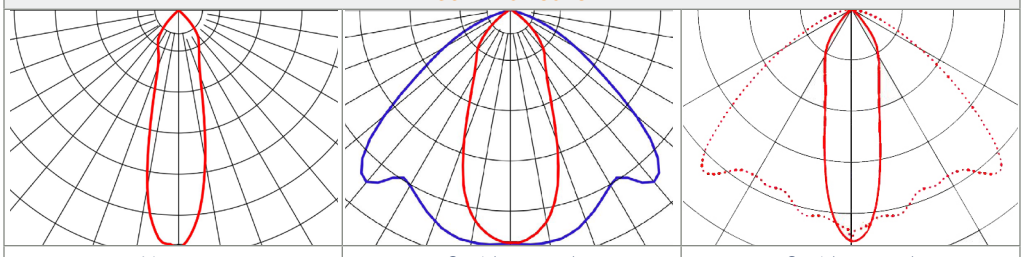
Lumens	Wattage	lm/W	Mounting Heights
2,250	34	66	20'
2,150	34	63	
1,200	22	55	
600	11	55	10'

Dimensions



Dimensions in mm [inches]

Beam Distribution



Narrow	Oval (55° x 35°)	Oval (35° x 55°)

Entry Options

Standard Option	Option "E"	Option "R"	Option "H"
2 Entries One Side	2 Entries One Side, 1 Entry Opposite Side. Add E to the end of the order code	Add R to the end of the order code	2 Entries One Side, 2 Entries Opposite Side and 1 Entry in the Rear Add H to the end of the order code

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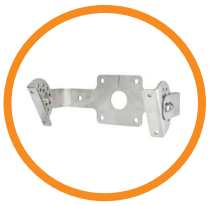
DuroSite® LED Wallpack / Bulkhead

Ordering Information & Accessories

Part Number	Fixture Lumens	Wattage	lm/W	IP Rating	Voltage	CCT	Lens	Beam Distribution
Standard Models - 100-277 VAC								
WP-2C3L-NLGC	2,250	34	66	IP66	100-277 VAC	5650K (cool white)	Clear tempered glass	Narrow
WP-4C3L-NLGC	2,250	34	66	IP66	100-277 VAC	5650K (cool white)	Clear tempered glass	Oval (35° X 55°)
WP-5C3L-NLGC	2,150	34	63	IP66	100-277 VAC	5650K (cool white)	Clear tempered glass	Oval (55° X 35°)
WP-2C3H-NLGC	1,200	22	55	IP66	100-277 VAC	5650K (cool white)	Clear tempered glass	Narrow
WP-4C3H-NLGC	1,200	22	55	IP66	100-277 VAC	5650K (cool white)	Clear tempered glass	Oval (35° X 55°)
WP-5C3H-NLGC	1,200	22	55	IP66	100-277 VAC	5650K (cool white)	Clear tempered glass	Oval (55° X 35°)
WP-2C3C-NLGC	600	11	55	IP66	100-277 VAC	5650K (cool white)	Clear tempered glass	Narrow
WP-4C3C-NLGC	600	11	55	IP66	100-277 VAC	5650K (cool white)	Clear tempered glass	Oval (35° X 55°)
WP-5C3C-NLGC	600	11	55	IP66	100-277 VAC	5650K (cool white)	Clear tempered glass	Oval (55° X 35°)
Standard Models - 24-48 VDC								
WP-2C2H-NLGC	1,200	22	55	IP66	24-48 VDC	5650K (cool white)	Clear tempered glass	Narrow
WP-4C2H-NLGC	1,200	22	55	IP66	24-48 VDC	5650K (cool white)	Clear tempered glass	Oval (35° X 55°)
WP-5C2H-NLGC	1,200	22	55	IP66	24-48 VDC	5650K (cool white)	Clear tempered glass	Oval (55° X 35°)
WP-2C2C-NLGC	600	11	55	IP66	24-48 VDC	5650K (cool white)	Clear tempered glass	Narrow
WP-5C2C-NLGC	600	11	55	IP66	24-48 VDC	5650K (cool white)	Clear tempered glass	Oval (55° X 35°)

All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in the table above are cool white. For neutral white models, replace the 4th character with an **N**.
Part numbers listed in the table do not come with a bracket. For factory-installed angle bracket, replace the 10th character with an **A**.
Part numbers listed in the table do not come with a bracket. For factory-installed flush bracket, replace the 10th character with an **F**.
Part numbers listed in the table come with a clear lens. For frosted lens models, replace the 13th character with an **F**. (Lens will reduce lumen output by 6%)



WP-BRKT-SS-ADJ

- Adjustable bracket
- Includes self-tapping screws

WP-STMB-LG00- 22

- 1 1/2" BSP-threaded straight stanchion mounting bracket

WP-STMB-LG00 -24

- 1 1/2" NPT-threaded straight stanchion mounting bracket

WP-STMB-LG85-22

- 1 1/2" BSP-threaded 85° stanchion mounting bracket

WP-STMB-LG85-24

- 1 1/2" NPT-threaded 85° stanchion mounting bracket

WP-STMB-LG85-50

- Non-threaded bore 34mm diameter

WP-STMB-LG85-60

- Non-threaded bore 38mm diameter

WP-BRKT-LG-PF

- Pipe and flush bracket
- Includes self-tapping screws

WP-RECESS-WH

- Recessed housing
- Bracket to fixture hardware

WP-STMB-LG25-22

- 1 1/2" BSP-threaded 25° stanchion mounting bracket

WP-STMB-LG25-24

- 1 1/2" NPT-threaded 25° stanchion mounting bracket

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DuroSite® LED RTO Area Light

Technical Specifications

Ratings and Certifications
• 5 year warranty
• L70 rated for >150,000 hours
• CSA C22.2 No. 250
• UL 1598/A
• IP66
• NEMA 4X

*All features not available on every model. Please refer to product part number pages for model specifics.

Mechanical Information	
Fixture weight:	
RTO0Wxx001:	2.5 lb (1.13 kg)
RTO0Wxx005:	3.2 lb (1.45 kg)
RTO0Wxx004:	0.8 lb (0.36 Kg)
Shipping weight:	
RTO0Wxx001:	3.0 lb (1.36 kg)
RTO0Wxx005:	4.5 lb (2.04 kg)
RTO0Wxx004:	1.4 lb (0.64 Kg)
Mounting:	
Pendant mount:	1" & 3/4" NPT reducer bi-directional mounting
Ceiling mount:	3/4" NPT 5-way surface mounting
Pendant mount:	3/4" NPT-threaded conduit

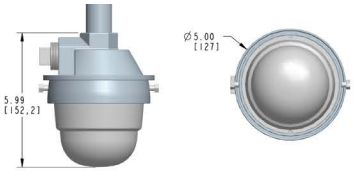
Specifications			
Voltage options:	100-277 VAC	**Housing:**	Copper-free aluminum
	24-48 VDC	**Lens:**	Polycarbonate
Operating temp:	-40°F to +133°F	**CRI:**	75
	(-40°C to +55°C)	**CCT:**	6000K (cool white)
Power factor:	>0.9		
THD:	<20%		
Surge protection:	1kV line-to-line, 2kV line-to-ground		

Comparison	Warranty	L70
Dialight LED RTO Area Light	5yr	>150,000
Metal Halide	1	6,000
High Pressure Sodium	1	20,000
Fluorescent	1	24,000

Lumens	Wattage	lm/W	Mounting Heights
800	8	100	15' and lower
470	8	59	

Dimensions

RTO-0W*xx*-001



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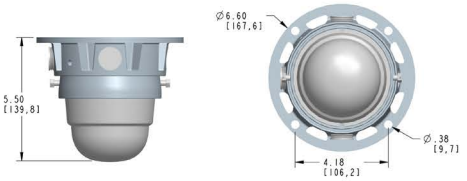
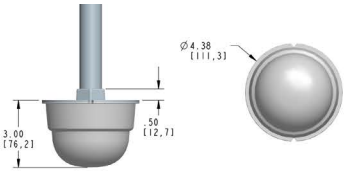
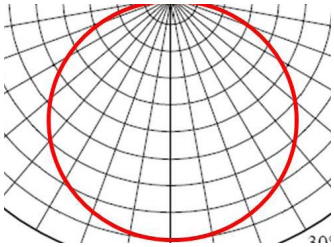


RTO-0W*xx*-004



Dimensions in mm [inches]

Beam Distribution



Circular

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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® LED High Bay

Technical Specifications

Corded Models 100-277 VAC

Mechanical Information:

Fixture weight:
18 lb (8.2 kg)

Shipping weight:
24 lb (10.9 kg)

Mounting:
3/4" NPT - top
Various kits

Power Cord:
18 AWG STOOW

Class I, Div. 2 Groups A,B,C,D
Class II, Div. 1 Groups E, F and G
Class II, Div. 2 Groups F and G
Class III, Div. 1 & 2

Passive Power Supply 347 VAC, 480 VAC

Patent pending

Mechanical Information:

Fixture weight:
40 lb (18.1 kg)

Shipping weight:
45 lb (20.4 kg)

Mounting:
3/4" NPT - top
Various kits

Class I, Div. 2 Groups A,B,C,D
Class II, Div. 1 Groups E, F and G
Class II, Div. 2 Groups F and G
Class III, Div. 1 & 2

Integrated Wiring Box 100-277 VAC

Available with and without hook

Mechanical Information:

Fixture weight:
20 lb (9.1 kg)

Shipping weight:
26 lb (11.8 kg)

Mounting:
3/4" NPT or hook
Various kits

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

Class I, Div. 2 Groups A,B,C,D
Class II, Div. 2 Groups F and G
Class III, Div. 1 & 2

Corded 100-277 VAC

Mechanical Information:

Fixture weight:
30 lb (13.6 kg)

Shipping weight:
35 lb (15.9 kg)

Mounting:
3/4" NPT - top
Various Kits (see page 22)

Power Cord:
18 AWG STOOW

Class I, Div. 1 Groups C and D
Class I, Div. 2 Groups C and D
Class II, Div. 1 Groups E, F and G
Class II, Div. 2 Groups F and G

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:

UL 844 (wet locations)	CSA 22.2 No. 137-M81
IP66/67 (100-277 VAC)	IP66 (347/480 VAC)
NEMA 4X	Up to 145 lm/W

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, 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
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 6kv/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) 2700K (warm white)

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

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SafeSite® LED High Bay

Ordering Information

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

Product Code[3]

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

Certification

C	UL844, CID1
D	UL 844 CID2, CIID2, CIID1, CIII
M	UL 844 CID1 + Paint Spray Listed
H	UL 844 CID1 + Group B Hydrogen

*HCD & HWD models not available with Class II, Div. 1 Groups E, F and G. Use HED or HEC models.

Lens Material

4	Polycarbonate - Clear
5	Polycarbonate - Diffused
7	Glass - Clear
8	Glass - Diffused
L	Polycarbonate Dome - Diffused

*All lens options flat except L

Beam Distribution

E	Oval
M	Medium
N	Narrow
W	Wide

CCT & CRI

C	Cool White 5000K - 80 CRI
N	Neutral White 4000K - 80 CRI
W	Warm White 2700K - 80 CRI

Operating Voltage

2	100-277 VAC / 120-250 VDC
A[1]	347-480 VAC (HE, HEC & HEW only)
P	480 VAC (HE passive only)
Q	347 VAC (HE passive only)

Lumen Type (HED, HCD & HWD)[2]

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

Lumen Type (HEC, HEM, HEP)[2]

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

Controls

D[4]	Dimming (0-10 VDC)
N	Non Dimming

Mounting Options

H	Hook
N	Pendant 3/4" NPT
P	Pendant 3/4" NPT Safety Retention Tabs
Q	Safety Retention Tabs with HBXW3
R	Hook with Safety Retention Tabs

Power Cable

N	No power cable (HC & HW models only)
T	1.5' [0.5 meter] Power Cable
U	3' [1 meter] Power Cable
V	6' [1.8 meter] Power Cable
W	10' [3 meter] Power Cable

Electrical Accessories

N	No Option

Coatings

G	Gray (RAL 7040)

Notes

1) 347/480 VAC options only available on CID2, CIID2, CIID1 models with Product Code prefix **HE.** 347/480 VAC models come with wiring box & transformers. For 480 VAC add 12W, for 347 VAC add 29W.

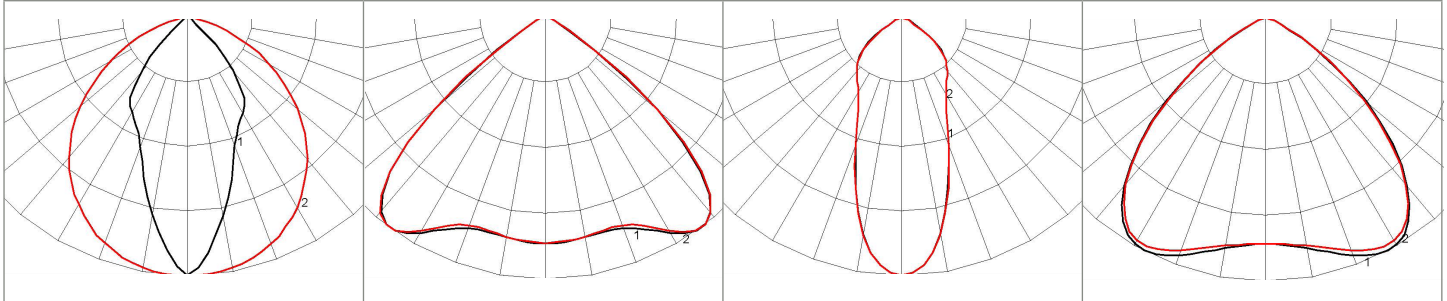
2) Lumen type based on glass lens, when using alternative lenses use table on page 59.

3) For CID1 models use Product Code prefix **HE** or **HW** only, HC is not valid. For lens, only option 7 (glass) is available for CID1 models.

4) Passive voltage options **P** & **Q** are not available with dimming.

Additional features and selections are available, please see the UL High Bay Technical Spec Sheet or your Dialight representative for more information.

Beam Distribution (HED, HCD & HWD)



Oval	Medium	Narrow	Wide

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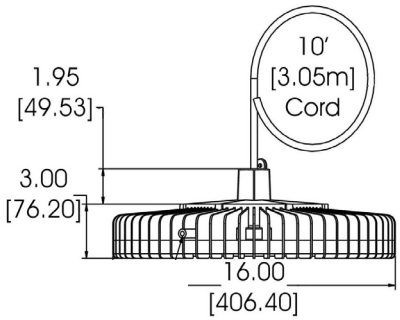
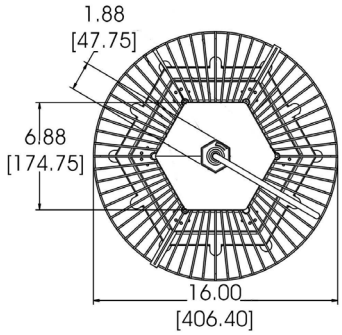
SafeSite® LED High Bay

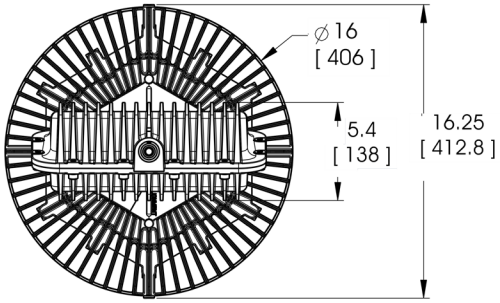
Dimensional Drawings

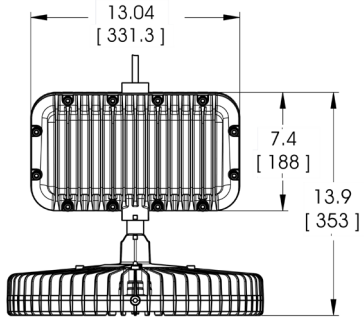
Corded Models 100-277 VAC - CID2, CIID1, CIID2, CIIID1, CIIID2





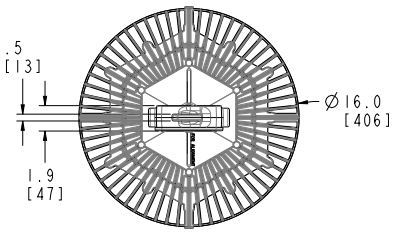
Passive Power Supply 347 VAC, 480 VAC - CID2, CIID1, CIID2, CIIID1, CIIID2

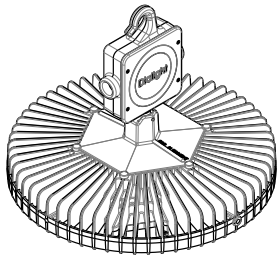


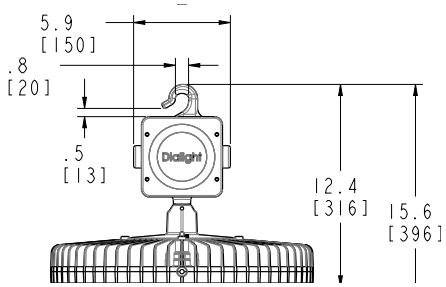


Integrated Wiring Box 100-277 VAC - CID2, CIID2, CIIID1, CIIID2

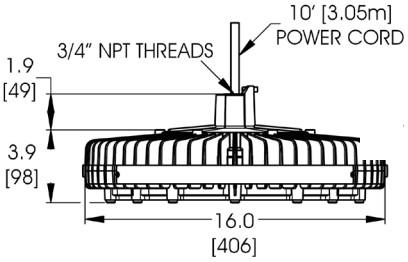
Available with and without hook

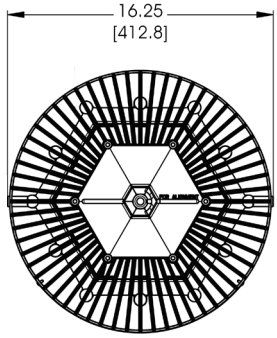






Corded Models 100-277 VAC - CID1, CID2, CIID1, CIID2





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SafeSite® LED High Bay

Lumen Table & Accessories

SafeSite High Bay CID1 Models							
Lumen Letter	Wattage	Lens	Material	Diffused/Clear	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	186	7	Glass	Clear	23,500	22,750	20,000
	186	8	Glass	Diffused	20,750	20,250	17,250
C	129	7	Glass	Clear	16,000	15,500	13,250
	129	8	Glass	Diffused	14,000	13,500	11,500
B	102	7	Glass	Clear	12,500	12,250	10,500
	102	8	Glass	Diffused	11,000	10,750	9,250
A	80	7	Glass	Clear	9,500	9,250	7,750

SafeSite High Bay 100-277 VAC, 120-250 VDC							
Lumen Letter	Wattage	Lens	Material	Diffused/ Clear	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	186	7	Glass	Clear	26,250	25,250	22,250
	186	4	Polycarbonate	Clear	25,250	24500	21,750
	186	5	Polycarbonate	Diffused	24,750	24,000	20,500
	186	L	Polycarbonate Dome	Diffused	24,500	23,750	20,250
	186	8	Glass	Diffused	23,250	22500	19,125
C	129	7	Glass	Clear	19,500	18,750	15,750
	129	4	Polycarbonate	Clear	18,750	18,000	15,250
	129	5	Polycarbonate	Diffused	18,250	17,500	14,750
	129	L	Polycarbonate Dome	Diffused	18,000	17,500	14,750
	129	8	Glass	Diffused	17,000	16,500	14,000
B	102	7	Glass	Clear	14,250	13,750	11,750
	102	4	Polycarbonate	Clear	13,750	13,250	11,000
	102	5	Polycarbonate	Diffused	13,500	13,000	11,000
	102	L	Polycarbonate Dome	Diffused	13,250	12,750	10,750
	102	8	Glass	Diffused	12,500	12,250	10,500
A	80	7	Glass	Clear	11,250	11,000	9,500
	80	4	Polycarbonate	Clear	10,750	10,500	9,000
	80	5	Polycarbonate	Diffused	10,500	10,250	8,750
	80	L	Polycarbonate Dome	Diffused	10,250	9,950	8,500
	80	8	Glass	Diffused	9,750	9,500	8,000

For passive models, lumen chart on page 19.

Classifications:
CID1 • CID2

HBXW1
- Wall mount

HBXC1
- Ceiling mount

Classifications: CID2

HBXCG
- Cable gland
- Recommended accessory

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

Classifications: CID2

HBXW2
- Swivel bracket and cable gland

Classifications: CID2

HBX-DUAL-BRCKT
- Dual bracket

Classifications:
CID1 • CID2

HBXW3-SSL-316
- 316 stainless steel swivel bracket

HBXW3-SSL-304
- 304 stainless steel swivel bracket

HBXFLAG-Y
HBXFLAG-O
- Yellow aluminum
- Orange aluminum

HBXSB 316
- Stainless steel (4x)

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SafeSite® LED Low Bay

Technical Specifications

Corded Models 100-277 VAC

Mechanical Information:

Fixture weight:
18 lb (8.2 kg)

Shipping weight:
24 lb (10.9 kg)

Mounting:
3/4" NPT - top
Various kits

Power Cord:
18 AWG STOOW

Class I, Div. 2, Groups A,B,C,D
Class II, Div. 1 Groups E, F and G
Class II, Div. 2 Groups F and G
Class III, Div. 1 & 2

Integrated Wiring Box 100-277 VAC

Available with and without hook

Mechanical Information:

Fixture weight:
20 lb (9.1 kg)

Shipping weight:
26 lb (11.8 kg)

Mounting:
3/4" NPT or hook
Various kits

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

Class I, Div. 2 Groups A, B, C, D
Class II, Div. 2 Groups F and G
Class III, Div. 1 & 2

Wiring Box 347/480 VAC

Mechanical Information:

Fixture weight:
34 lb (15.4 kg)

Shipping weight:
39 lb (17.7 kg)

Mounting:
3/4" NPT - top
Various kits

Entries:
(4x) 3/4" NPT

Class I, Div. 2 Groups A,B,C,D
Class II, Div. 2 Groups F and G
Class III, Div. 1 & 2

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:

UL 844 (wet locations)
IP66/67 (100-277 VAC)
NEMA 4X
CSA 22.2 No. 137-M81
IP66 (347/480 VAC)

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, 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
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 6kv/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground
THD:	6-18k: <20% 4k: <30%
Power factor:	>0.9
Fusing:	Internal

Construction:

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

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

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	Integrated Pendant Wiring Box
LE	Low Bay
LW	Integrated Hexagon Wiring Box

Certification

D	UL 844 CID2, CIID2, CIID1, CIII

*LC & LW models not available with Class II, Div. 1 Groups E, F and G. Use LE model.

Lens Material

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

*All lens options flat except L

Beam Distribution

U	Ultra Wide

CCT & CRI

C	Cool White 5000K - 80 CRI
N	Neutral White 4000K - 80 CRI
W	Warm White 2700K - 80 CRI

Operating Voltage

A[2]	347/480 VAC Step Down Transformer (LE only)
2	100-277 VAC / 120-250 VDC

Lumen Type

4	4,000 Lumens
6	6,000 Lumens
9	9,000 Lumens
B	14,000 Lumens
C	18,000 Lumens

Controls

D	Dimming (0-10 VDC)
N	Non Dimming

Mounting Options[1]

A	Aluminum HBXW3
B	Stainless Steel HBXW3SSL304
C	Stainless Steel HBXW3SSL316
D	Stainless Steel HBXW3SSL304FT
E	Stainless Steel HBXW3SSL316FT
F	Stainless Steel HBXW3SS (316)
H	Hook
N	Pendant 3/4" NPT
P	Pendant 3/4" NPT Safety Retention Tabs
Q	Safety Retention Tabs with HBXW3
R	Hook with Safety Retention Tabs

Power Cable

V	6' [1.8 meter] Power Cable
W	10' [3 meter] Power Cable
N	No Power Cable (LC & LW only)

Electrical Accessories

N	No Option

Coatings

G	Gray (RAL 7040)

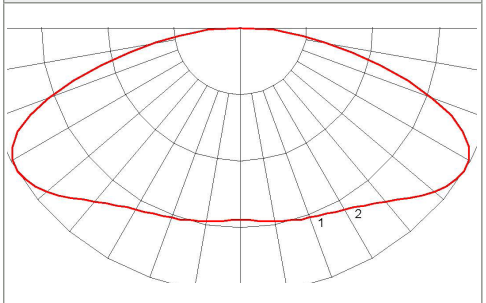
Notes

1) Mounting options A,B,C,F,Q not applicable for 347-480V model

2) 347/480 VAC models come with wiring box & transformers. For 480 VAC add 12W, for 347 VAC add 29W.

Additional features and selections are available, please see the UL Low Bay Technical Spec Sheet or your Dialight representative for more information.

Beam Distribution



Ultra Wide

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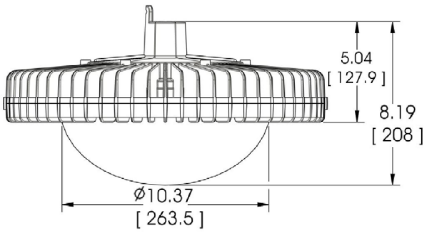
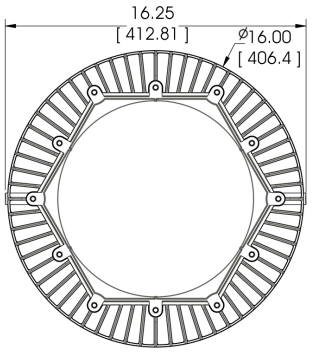
SafeSite® LED Low Bay

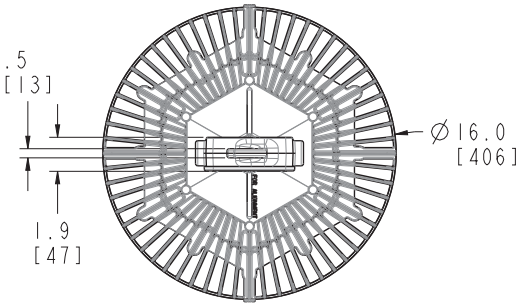
Dimensional Drawings

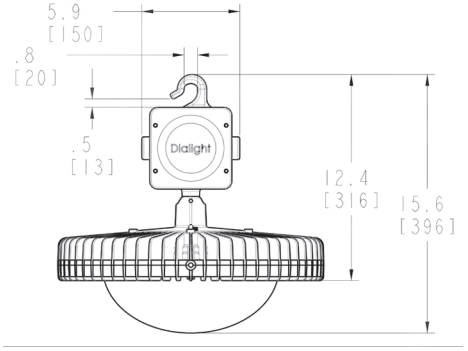
Corded Models 100-277 VAC - CID2, CIID1, CIID2, CIIID1, CIIID2



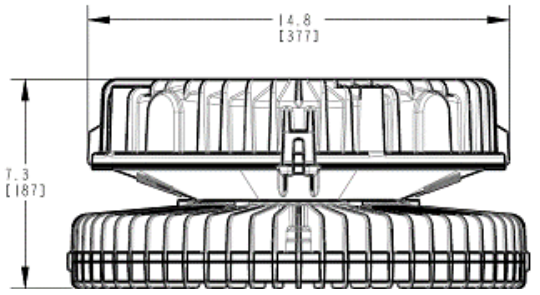


Integrated Wiring Box 100-277 VAC - CID2, CIID2, CIIID1, CIIID2





Wiring Box 347/480 VAC - CID2, CIID2, CIIID1, CIIID2



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SafeSite® LED Low Bay

Lumen Table & Accessories

Lumen Letter	Wattage	Lens	Material	Diffused/ Clear	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
C	154	L	Polycarbonate Dome	Diffused	18,000	17,500	15,250
	154	4	Polycarbonate	Clear	17,750	17,250	15000
	154	2	Acrylic	Clear	17,500	17,000	14,750
B	114	L	Polycarbonate Dome	Diffused	14,000	13,500	12,000
	114	4	Polycarbonate	Clear	13,750	13,250	11,750
	114	2	Acrylic	Clear	13,500	13,000	11,500
9	80	L	Polycarbonate Dome	Diffused	9,000	8,750	7,750
	80	4	Polycarbonate	Clear	8,800	8,500	7,500
	80	2	Acrylic	Clear	8,600	8,400	7,300
6	56	L	Polycarbonate Dome	Diffused	6,000	5,800	5,100
	56	4	Polycarbonate	Clear	5,900	5,750	5,000
	56	2	Acrylic	Clear	5,750	5,600	4,800
4	42	L	Polycarbonate Dome	Diffused	4,000	3,900	3,400
	42	4	Polycarbonate	Clear	3,900	3,800	3,300
	42	2	Acrylic	Clear	3,800	3,700	3,200

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

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

HBXDC
- 21° slope dust cover

HBXDC45
- 45° slope dust cover

HBXDC60
- 60° slope dust cover

HBXW3-SSL-304FT
- 304 stainless steel forward throw bracket

HBXW3-SSL-316FT
- 316 stainless steel forward throw bracket

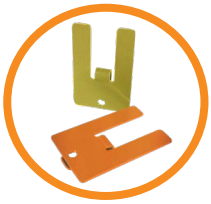
HBXSB316
- Stainless steel (4x)

HBXCG
- Cable gland

HBXW2
- Swivel bracket and cable gland

HBXW3
- Swivel bracket

HBXDUALBRCKT
- Dual bracket



HBXFLAG-Y
HBXFLAG-O
- Yellow aluminum
- Orange aluminum

LBXLENP
- Polycarbonate dome lens replacement

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SafeSite® LED Floodlight

Technical Specifications

Ratings and Certifications		
• UL 844	• CID2 A,B,C,D	• IK07 (glass) / IK10 (polycarbonate)
• UL 1598/A	• CIID1 E,F,G	• 10 year warranty
• CSA C22.2 No.137-M81	• CIID2 F,G	• L70 rated for >100,000 hours
• IP66/67	• CIII	

*All features not available on every model. Please refer to product part number pages for model specifics.

Temperature Ratings	
Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code
15,000 - 13,500lm models	11,500 - 10,750lm models
-40°F to +149°F (-40°C to +65°C)	-40°F to +149°F (-40°C to +65°C)

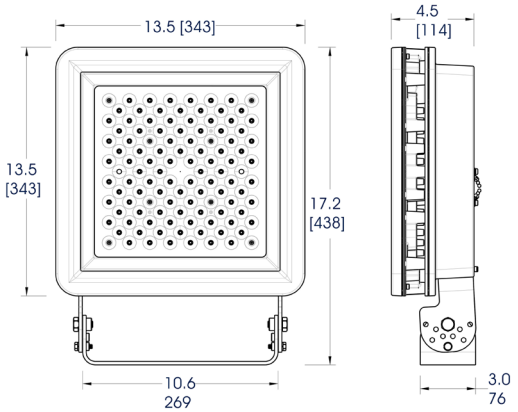
Mechanical Information	
Fixture weight:	30 lb (13.6 kg)
Shipping weight:	34 lb (15.4 kg)
Mounting:	304 Stainless steel trunnion mounting bracket included
EPA (Sq. ft)	1.66 sq. ft.
Entry:	(2) 3/4" NPT cable entries

Specifications			
Voltage options:	100-277 VAC	**Housing:**	Copper-free aluminum
		Lens:	Tempered glass
	347-480 VAC		Polycarbonate
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**CRI:**	75
Power factor:	>0.9	**CCT:**	5000K (cool white)
THD:	<20%		4000K (neutral white)
Surge protection:	IEC 61000-4-5 6kV line-to-line , 6kV line-to-ground		

Comparison			
	Warranty	L70	T-Rating
Dialight LED Floodlight	10yr	>100,000	T5
Metal Halide	1	6,000	T2
High Pressure Sodium	1	20,000	T2A

Lumens	Wattage	lm/W	Mounting Heights
15,000	135	111	30'
14,750	135	109	
13,500	140	96	
11,500	106	108	
11,250	106	106	
11,000	106	104	
10,750	106	101	
10,500	106	99	15

Dimensions



Dimension in inches [mm]

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SafeSite® LED Floodlight

Ordering Information

Classifications: CID2 Groups A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

Part Number	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	Beam Distribution
Standard Models - 100-277 VAC - Glass Lens												
FLD466NC4NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	15,000	135	111	NEMA 6 (115°)
FLD476NC4NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	14,750	135	109	NEMA 7x6 (140° x 115°)
FLD467NC4NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	14,750	135	109	NEMA 6x7 (115° x 140°)
FLD455NC4NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	14,500	140	104	NEMA 5 (93°)
FLD444NC4NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	14,500	140	104	NEMA 4 (52°)
FLD422NC4NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	13,500	140	96	NEMA 2 (23°)
FLD276NC2NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	11,500	106	108	NEMA 7x6 (140° x 115°)
FLD267NC2NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	11,500	106	108	NEMA 6x7 (115° x 140°)
FLD266NC2NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	11,250	106	106	NEMA 6 (115°)
FLD255NC2NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	11,000	106	104	NEMA 5 (93°)
FLD244NC2NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	10,500	106	99	NEMA 4 (52°)
FLD222NC2NG		•	•	•	•	100-277 VAC	Tempered glass	5000K (cool white)	10,750	106	101	NEMA 2 (23°)
Standard Models - 100-277 VAC - Polycarbonate Lens												
FLD466NC4NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	14,000	135	104	NEMA 6 (115°)
FLD476NC4NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	13,750	135	102	NEMA 7x6 (140° x 115°)
FLD467NC4NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	13,750	135	102	NEMA 6x7 (115° x 140°)
FLD455NC4NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	13,500	140	96	NEMA 5 (93°)
FLD444NC4NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	13,500	140	96	NEMA 4 (52°)
FLD422NC4NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	12,500	140	89	NEMA 2 (23°)
FLD276NC2NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	10,500	106	99	NEMA 7x6 (140° x 115°)
FLD267NC2NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	10,500	106	99	NEMA 6x7 (115° x 140°)
FLD266NC2NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	10,250	106	97	NEMA 6 (115°)
FLD255NC2NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	10,000	106	94	NEMA 5 (93°)
FLD244NC2NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	9,500	106	89	NEMA 4 (52°)
FLD222NC2NP		•				100-277 VAC	Polycarbonate	5000K (cool white)	9,750	106	92	NEMA 2 (23°)
Standard Models - 347-480 VAC												
FLD276NC5NG		•	•	•	•	347-480 VAC	Tempered glass	5000K (cool white)	11,750	112	105	NEMA 7x6 (140° x 115°)
FLD266NC5NG		•	•	•	•	347-480 VAC	Tempered glass	5000K (cool white)	11,250	112	100	NEMA 6 (115°)
FLD255NC5NG		•	•	•	•	347-480 VAC	Tempered glass	5000K (cool white)	10,000	112	89	NEMA 5 (93°)
FLD244NC5NG		•	•	•	•	347-480 VAC	Tempered glass	5000K (cool white)	10,000	112	89	NEMA 4 (52°)
FLD222NC5NG		•	•	•	•	347-480 VAC	Tempered glass	5000K (cool white)	10,000	112	89	NEMA 2 (23°)

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

Part numbers listed in the table above are cool white. For neutral white models, replace the 8th character with an **N**. For bronze powder coat, replace the 10th character with a **Z**.

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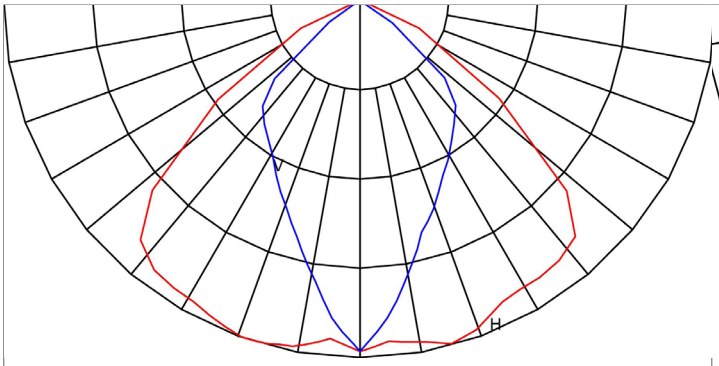
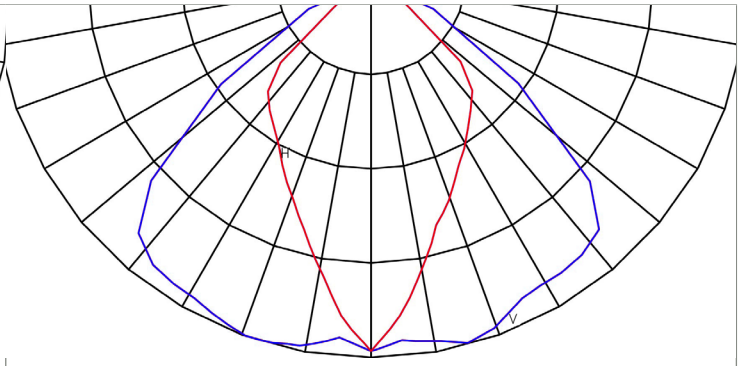
SafeSite® LED Floodlight

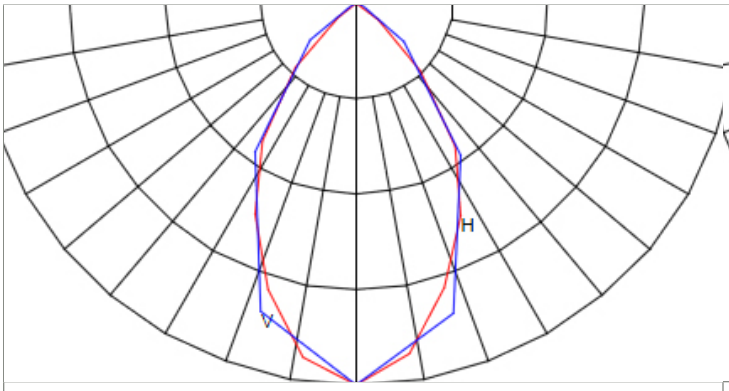
Beam Distribution



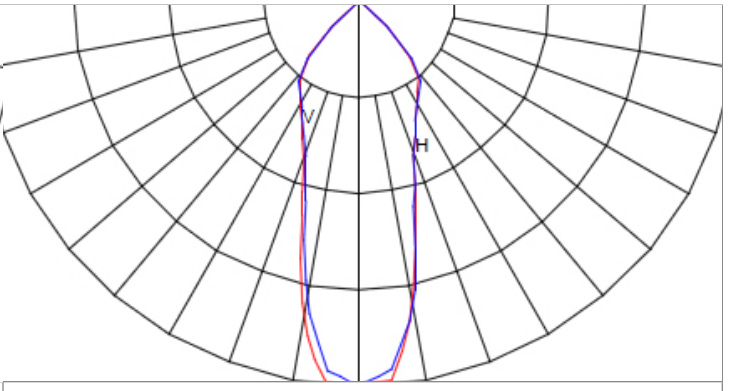
NEMA 7x6
Field angle=140° x 115°



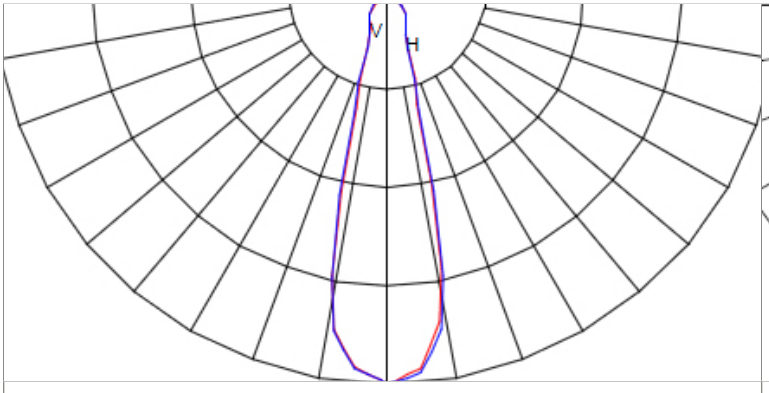
NEMA 6x7
Field angle= 115° x 140°



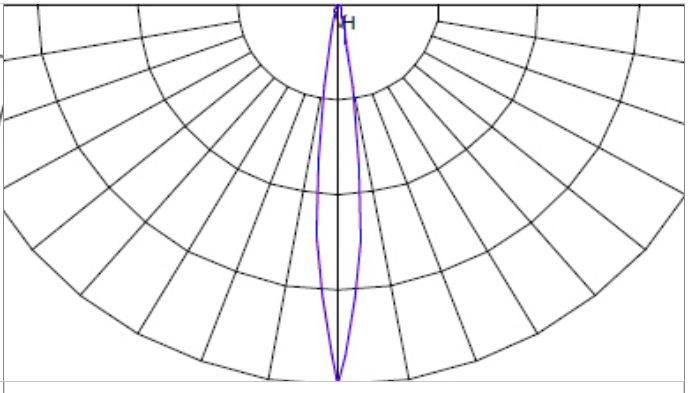
NEMA 6
Field angle = 115°



NEMA 5
Field angle = 93°



NEMA 4
Field angle = 52°



NEMA 2
Field angle = 23°

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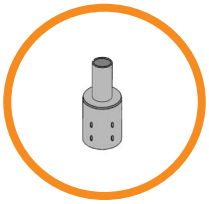
SafeSite® LED Floodlight

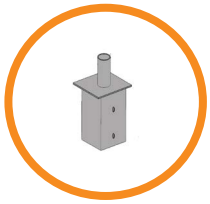
Accessories



FLX-3RPA-20DB
- Reducer for 3" OD round pole top to 2-3/8" light mount

FLX-4RPA-20DB
- Reducer for 4" OD round pole top to 2-3/8" light mount

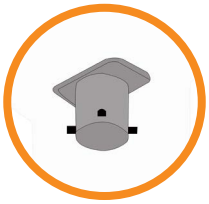
HZXCBL2
- Stainless steel safety cable kit



FLX-4SPA-20DB
- Internal tenon adapter for 4" square pole top to 2-3/8" light mount

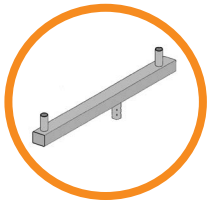
FLX-5SPA-20DB
- 5" square pole top to 2-3/8" light mount

FLX-6SPA-20DB
- 6" square pole top to 2-3/8" light mount



FLX-1TPT-20DB
- Tenon pole topper, 2-3/8" mount

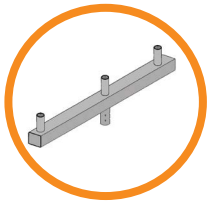
FLX-1RAB-20DB
- Tenon pole topper, 2-3/8" mount



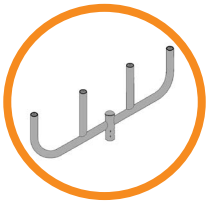
FLX-2RSR-20DB
- Round square round bracket for 2 lights, 2-3/8" mount, 21" spacing

FLX-2LBH-20DB
- Bull horn for 2 lights, 2-3/8" mount, 21" spacing

FLX-3LBH-20DB
- Bull horn for 3 lights, 2-3/8" mount, 21" spacing

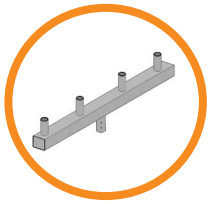


FLX-3RSR-20DB
- Round square round bracket for 3 lights, 2-3/8" mount, 21" spacing



FLX-4LBH-20DB
- Bull horn for 4 lights, 2-3/8" mount, 21" spacing

FLX-4RBH-20DB
- Bull horn for 4 lights in star configuration, 2-3/8" mount, 21" spacing



FLX-4RSR-20DB
- Round square round bracket for 4 lights, 2-3/8" mount, 21" spacing

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SafeSite® LED Area Light

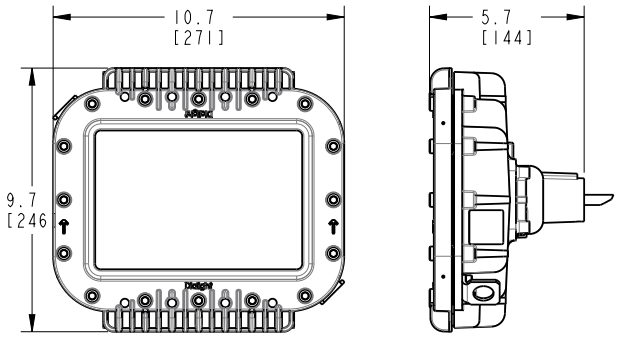
Technical Specifications

Certifications & Ratings*

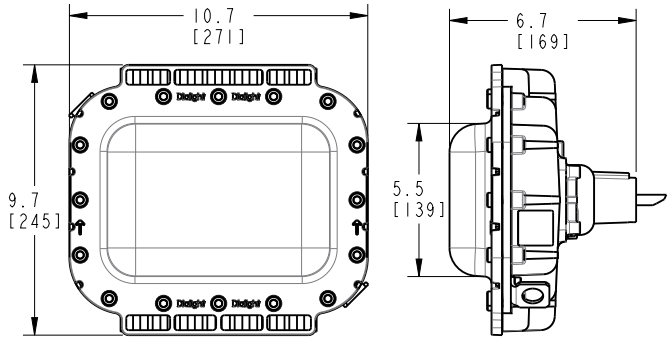
- 10 year warranty
- UL 844, UL 1598/A
- Class I, Div. 1, Groups B, C, D
- Class I, Div. 2, Groups A, B, C, D
- Class II, Div. 1, Groups E, F, G
- Class II, Div. 2 Groups F, G
- Class III, Div 1 & 2
- CSA 22.2 No. 137-M81
- IP66 / 67 / 69
- NEMA 4X
- Factory-sealed

*ETL listed

Tempered Glass Lens



Polycarbonate Lens



Mechanical Information:

Fixture weight:	
Class I, Div. 1 CID2, Class II, Class III	14.5 lb (6.6 kg) - Glass lens 10 lb (4.5 kg) - Polycarbonate lens 12 lb (5.4 kg) - 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
34mm conveyor mount:	15 lb (6.8 kg) - Polycarbonate lens 18 lb (8.2 kg) - Tempered glass lens
Shipping weight:	Add 2 lb (0.91 kg) to weights above
Cabling:	10' (3.5 m) 5 conductor SOOW
Impact rating:	IK10 - Polycarbonate lens IK07 - Tempered glass lens
Vibration resistance:	Tested per IEC 60068-2-6

Electrical Specifications:

Operating voltage:	100-277 VAC, 120-280 VAC - Battery backup
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:	6kV, 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 - Chemical-resistant epoxy primer
Corrosion resistance:	3,000-hour salt spray per ASTM B117
Lens:	Tempered glass

Photometric Information:

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

Ordering Information

AL	-		-		-		-		-	2	-		-	D	-		-		-	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[1]	UL 844 Class I Div. 1, Class II Div. 1 CSA C22.2 No. 137
D	UL 844 Class I Div. 2, Class III CSA C22.2 No. 137
F	UL 844 Class II Div. 1, 2, Class I Div. 2 CSA C22.2 No. 137
P[1]	UL 844 Class I Div. 1 Group B (Hydrogen) CSA C22.2 No. 137

Lens Material

5	Polycarbonate - Diffused
7	Glass - Clear

Beam Distribution

A	180°
B	360°
W[2]	Wide

CCT & CRI

C	Cool White 5000K - 80 CRI
N	Neutral White 4000K - 80 CRI
W	Warm White 2700K - 80 CRI

Operating Voltage

2	100-277 VAC, 120-250 VDC

Lumen Type[5]

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 (0-10 VDC)

Mounting Options[3]

	Retro-fit Adapter[6]
	Universal Mounting Adapter (UMA)
A	Appleton Mercmaster III
B	Swivel Bracket, Locking 0°- 90° 316 Stainless Steel
C	Crouse-Hinds - Champ
G	GE Filtr-Gard
H	Thomas & Betts Hazlux
K	Killark Certilite & Certilite V
M	Appleton Mercmaster II
N	3/4" NPT
S	45° Stanchion Mount
U[4]	UMA - Mounting Hub
V	0° Wall Mount
W	45° Wall Mount
Y	34mm Conveyor Mount

Hardware Accessories

N	Wire leads for Mounting Options - A, C, G, H, K, M, S, U, V, W, Y
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 ordering Certification **C** - UL 844 Class I Div. 1 or **P** - UL 844 Class I Div. 1 Group B (Hyrdogen): Lens Material = **7** - Glass, Mounting Option = **N** - 3/4" NPT or **B** - Swivel Bracket, Locking 0° - 90° 316 Stainless Steel, Hardware Access. = **W** - 10ft (3 meter) Power Cable.

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

3) When ordering Mounting Options "UMA" or "Retro-fit": Hardware Accessories = **N.** (only available for ALD and ALF series)

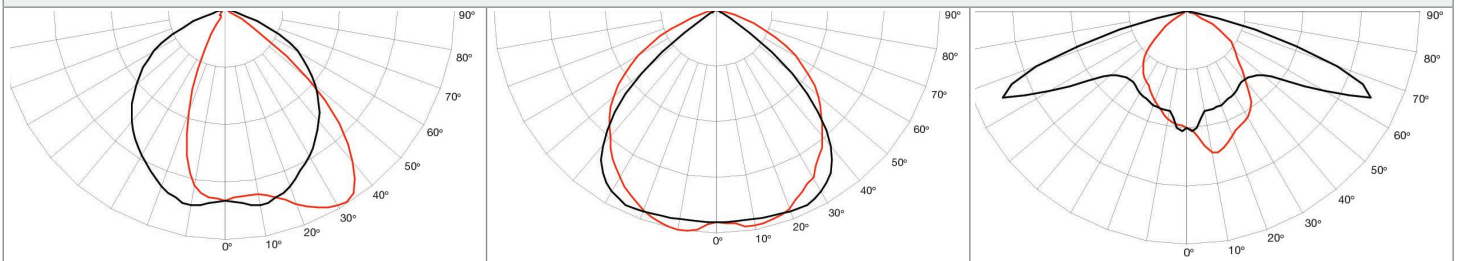
4) When ordering Mounting Option U - UMA Mounting Hub HZXW01, HZXW45, HZXS45 or HZXCV34 is required. See page 73 for details.

5) For lumen output see page 74-75.

6) All names and brands are property of their respective holders.

Additional features and selections are available, please see the UL Area Light Technical Spec Sheet or your Dialight representative for more information.

Beam Distribution



180°	360°	Wide

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SafeSite® LED Area Light

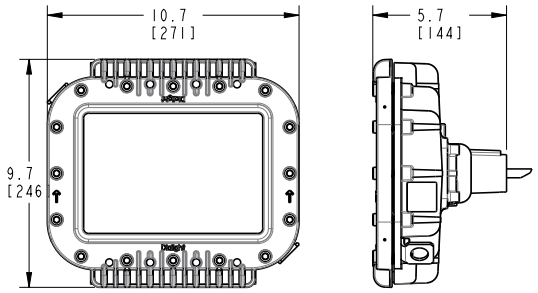
Technical Specifications - 24-48 VDC, 347-480 VAC, Battery Backup Models

Certifications & Ratings*

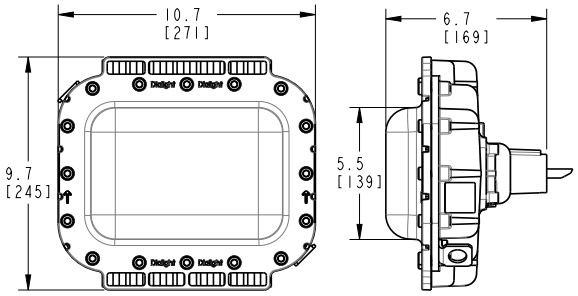
- 5 year warranty
- UL 844, UL 1598/A
- Class I, Div. 1 Groups A, B, C, D
- Class I, Div. 2 Groups A, B, C, D
- Class II, Div. 1 Groups E, F, G
- Class II, Div. 2 Groups F, G
- Class III, Div. 1 & 2
- CSA 22.2 No. 137-M81
- CSA 22.2 No. 250
- IP66 / 67
- NEMA 4X
- Factory-sealed

*ETL listed

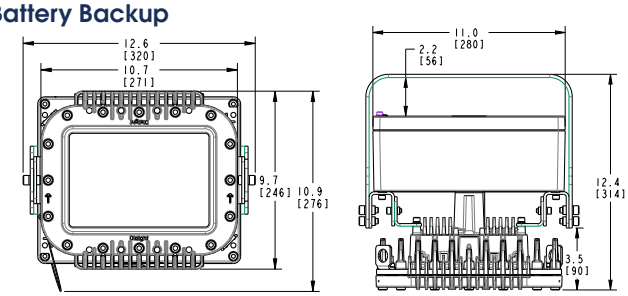
Tempered Glass Lens



Polycarbonate Lens



Battery Backup



Mechanical Information:

Fixture weight:	14.5 lb (6.6 kg) - Class I, Div. 1
CID2, Class II, Class III	10 lb (4.5 kg) - Polycarbonate lens 12 lb (5.4 kg) - 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
34mm conveyor mount:	15 lb (6.8 kg) - Polycarbonate lens 18 lb (8.2 kg) - Tempered glass lens
Battery backup:	35 lb (15.9 kg) - Polycarbonate lens 37 lb (16.8 kg) - Tempered glass lens
Shipping weight:	Add 2 lb (0.91 kg) to weights above
Cabling:	
347-480 VAC & 24-48 VDC	10' (3.5 m) 5 conductor SOOW
Battery backup	Wiring compartment
Impact rating:	IK10 - Polycarbonate lens IK07 - Tempered glass lens

Electrical Specifications:

Operating voltage:	347-480 VAC 24-48 VDC 120-277 VAC - Battery backup
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:	6kV, 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 - Chemical-resistant epoxy primer
Corrosion resistance[1]:	3,000-hour salt spray per ASTM B117
Lens:	Tempered glass

Photometric Information:

CRI:	75
CCT:	5000K (cool white) 4000K (neutral 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 +113°F (-40°C to +45°C)	-40°F to +149°F (-40°C to +65°C)

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SafeSite® LED Area Light

Ordering Information - 24-48 VDC, 347-480 VAC, Battery Backup Models

AL	-		-		-		-		-		-		-	N	-		-		-	N	-	G	-	
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[1]	UL 844 Class I Div. 1, Class II Div. 1 CSA C22.2 No. 137
D	UL 844 Class I Div. 2, Class III CSA C22.2 No. 137
F	UL 844 Class II Div. 1, 2, Class I Div. 2 CSA C22.2 No. 137
P[1]	UL 844 Class I Div. 1 Group B (Hydrogen) CSA C22.2 No. 137

Lens Material

5	Polycarbonate - Diffused
7	Glass - Clear

Beam Distribution

A	180°
B	360°

CCT & CRI

B	Cool White 5000K - 70 CRI
L	Neutral White 4000K - 70 CRI

Operating Voltage

2[4]	120-277 VAC - Battery Backup
5	347-480 VAC
6	24-48 VDC

Lumen Type[3]

347-480 VAC	24-48 VDC	120V Battery Backup
	2 0.1-2K	
4 3.1-4K		
5 4.1-5K	5 4.1-5K	
6 5.1-6K		
7 6.1-7K	7 6.1-7K	7 6.1-7K

Controls

N	Non Dimming

Mounting Options[2]

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

Hardware Accessories

N	Wire leads for Mounting Options - A, C, G, H, K, M, S, U, V, W, Y
W	10 ft (3 meter) Power Cable for Mounting Options - B, N

Electrical Accessories

N	No Option

Coatings

G	Gray (RAL 7040)

Battery

F	3.6V 10Ah Nimh
N	No Option

Notes

1) When ordering Certification **C** - UL 844 Class I Div. 1 or **P** - UL 844 Class I Div. 1 Group B (Hyrdogen): Lens Material = **7** - Glass, Mounting Option = **N** - 3/4" NPT or **B** - Swivel Bracket, Locking 0° - 90° 316 Stainless Steel, Hardware Access. = **W** - 10ft (3 meter) Power Cable.

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

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

4) All names and brands are property of their respective holders.

Additional features and selections are available, please see the UL Area Light Technical Spec Sheet or your Dialight representative for more information.

4) Notes - When Ordering Battery Backup Models Use...

Certification = **D** UL 844 Class I, Division 2

Beam Distribution = **A** 180° or **B** 360°

Operating Voltage = **2** 120 - 277 VAC

Mounting Options = **N** (stainless steel bracket included)

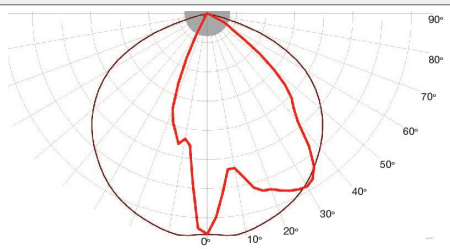
Hardware Accessories = **N** (junction box included)

Electrical Accessories = **N** (wiring via 3 positions push down terminal block)

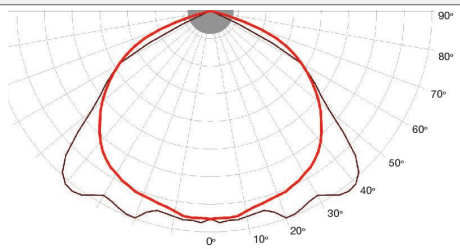
Battery = **F** @ 25°C ambient - est. >3 hours

Battery backup circuit can be wired in sustained or maintained configurations

Beam Distribution



180°



360°

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SafeSite® LED Area Light

Lumen Tables

	100-277 VAC, 120-250 VDC								
Lumen Letter	Output Family	Beam Distribution Character	Beam Distribution	Lens Character	Lens Material	Wattage	Lumens 5000 CCT	Lumens 4000 CCT	Lumens 2700 CCT
9	9,000	B	360°	7	1/4" AR Glass	66	9000	8800	8200
				7	Class I, Div 1 Glass		8600	8400	7900
				5	Polycarbonate		8300	8100	7600
		A	180°	7	1/4" AR Glass		8800	8600	8000
				7	Class I, Div 1 Glass		8400	8200	7700
				5	Polycarbonate		8100	7900	7400
7	7,300	B	360°	7	1/4" AR Glass	52	7300	7100	6700
				7	Class I, Div 1 Glass		7000	6800	6400
				5	Polycarbonate		6700	6500	6100
		A	180°	7	1/4" AR Glass		7100	6900	6500
				7	Class I, Div 1 Glass		6800	6600	6200
				5	Polycarbonate		6600	6400	6000
		W	Wide	7	1/4" AR Glass	64	7300	7100	6700
				7	Class I, Div 1 Glass		7000	6800	6400
				5	Polycarbonate		6700	6500	6100
6	5,700	B	360°	7	1/4" AR Glass	40	5700	5500	5200
				7	Class I, Div 1 Glass		5400	5200	4900
				5	Polycarbonate		5300	5100	4800
		A	180°	7	1/4" AR Glass		5500	5300	5000
				7	Class I, Div 1 Glass		5300	5100	4800
				5	Polycarbonate		5100	4900	4600
4	4,200	B	360°	7	1/4" AR Glass	30	4200	4100	3800
				7	Class I, Div 1 Glass		4000	3900	3600
				5	Polycarbonate		3900	3800	3900
		A	180°	7	1/4" AR Glass		4100	4000	4100
				7	Class I, Div 1 Glass		3900	3800	3900
				5	Polycarbonate		3800	3700	3400
3	3,100	B	360°	7	1/4" AR Glass	24	3100	3000	2800
				7	Class I, Div 1 Glass		2900	2900	2600
				5	Polycarbonate		2800	2700	2500
		A	180°	7	1/4" AR Glass		3000	2900	2700
				7	Class I, Div 1 Glass		2900	2800	2600
				5	Polycarbonate		2800	2700	2500

	24-48 VDC							
Lumen Letter	Output Family	Beam Distribution Character	Beam Distribution	Lens Character	Lens Material	Wattage	Lumens 5000 CCT	Lumens 4000 CCT
7	7,000	B	360°	7	1/4" AR Glass	71	7000	6800
				7	Class I, Div 1 Glass		6700	6500
				5	Polycarbonate		6700	6500
		A	180°	7	1/4" AR Glass		7000	6800
				7	Class I, Div 1 Glass		6700	6500
				5	Polycarbonate		6700	6500
5	5,000	B	360°	7	1/4" AR Glass	49	5000	4900
				7	Class I, Div 1 Glass		4800	4700
				5	Polycarbonate		4800	4700
		A	180°	7	1/4" AR Glass		5000	4900
				7	Class I, Div 1 Glass		4800	4700
				5	Polycarbonate		4800	4700
4	3,000	B	360°	7	1/4" AR Glass	27	3000	2900
				7	Class I, Div 1 Glass		2800	2800
				5	Polycarbonate		2800	2800
		A	180°	7	1/4" AR Glass		3000	2900
				7	Class I, Div 1 Glass		2800	2800
				5	Polycarbonate		2800	2800

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

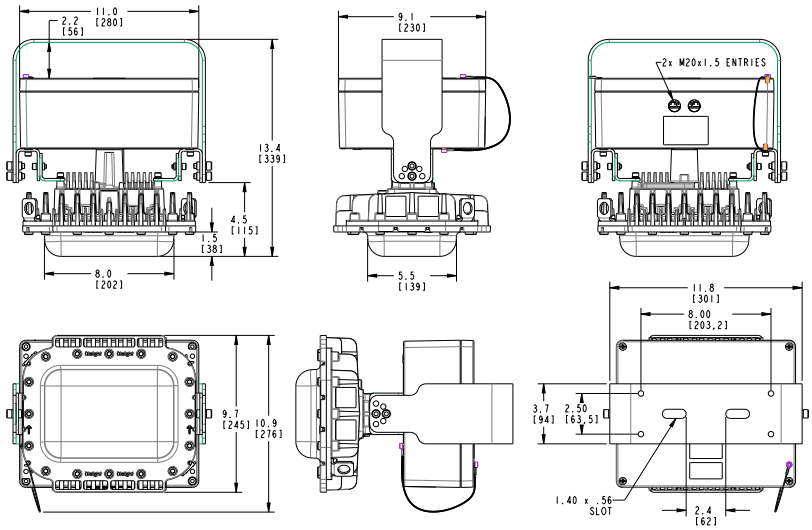
Lumen Tables & Dimensional Drawings

340-480 VAC								
Lumen Letter	Output Family	Beam Distribution Character	Beam Distribution	Lens Character	Lens Material	Wattage	Lumens 5000 CCT	Lumens 4000 CCT
7	7,250	B	360°	7	1/4" AR Glass	68	7200	7100
				7	Class I, Div 1 Glass		6900	6800
				5	Polycarbonate		6900	6800
		A	180°	7	1/4" AR Glass		7200	7100
				7	Class I, Div 1 Glass		6900	6800
				5	Polycarbonate		6900	6800
6	6,000	B	360°	7	1/4" AR Glass	58	6000	5800
				7	Class I, Div 1 Glass		5700	5600
				5	Polycarbonate		5700	5600
		A	180°	7	1/4" AR Glass		6000	5800
				7	Class I, Div 1 Glass		5700	5600
				5	Polycarbonate		5700	5600
5	5,000	B	360°	7	1/4" AR Glass	47	5000	4900
				7	Class I, Div 1 Glass		4800	4700
				5	Polycarbonate		4800	4700
		A	180°	7	1/4" AR Glass		5000	4900
				7	Class I, Div 1 Glass		4800	4700
				5	Polycarbonate		4800	4700
4	4,000	B	360°	7	1/4" AR Glass	38	4000	3900
				7	Class I, Div 1 Glass		3800	3700
				5	Polycarbonate		3800	3700
		A	180°	7	1/4" AR Glass		4000	3900
				7	Class I, Div 1 Glass		3800	3700
				5	Polycarbonate		3800	3700

100-277 VAC Battery Backup								
Lumen Letter	Output Family	Beam Distribution Character	Beam Distribution	Lens Character	Lens Material	Wattage	Lumens 5000 CCT	Lumens 4000 CCT
7	7,500	B	360°	7	1/4" AR Glass	85	7500	7300
				5	Polycarbonate		7500	7300
		A	180°	7	1/4" AR Glass		7200	7000
				5	Polycarbonate		6900	6800

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

Battery Backup Model



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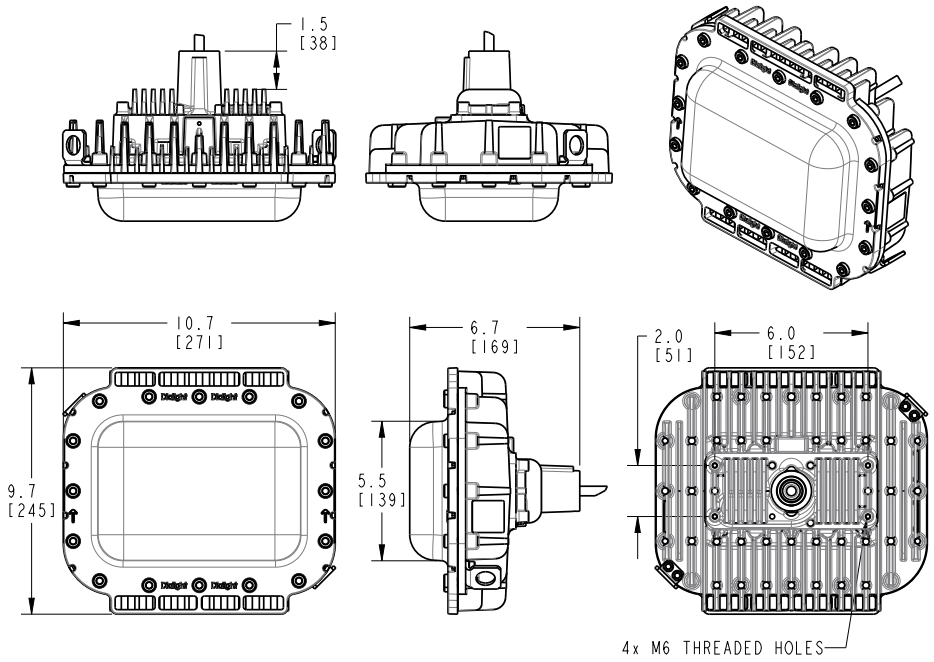
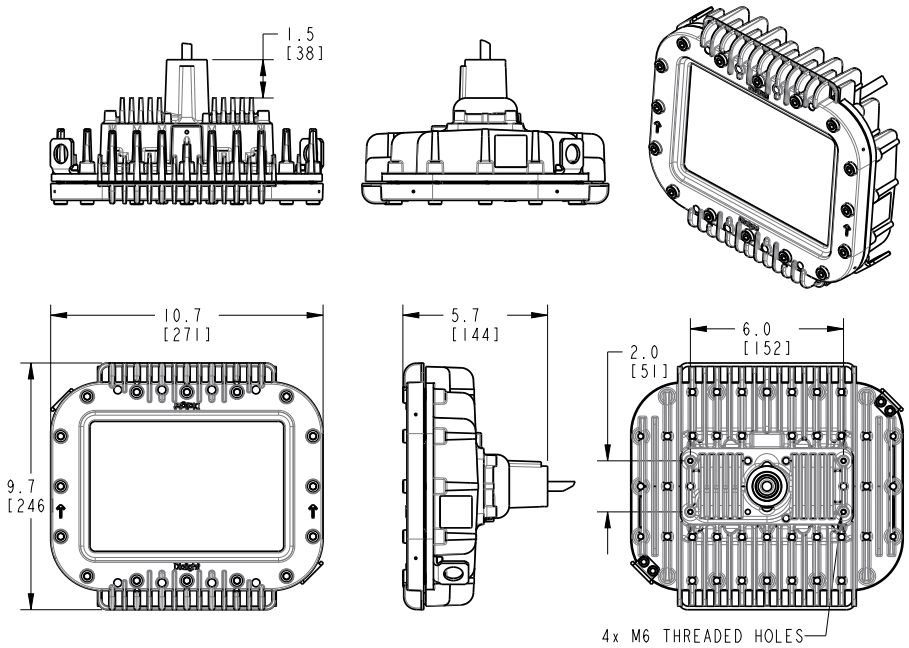
SafeSite® LED Area Light

Dimensional Drawings

Polycarbonate Lens - Option 5



Tempered Glass Lens - Option 7



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SafeSite® LED Area Light

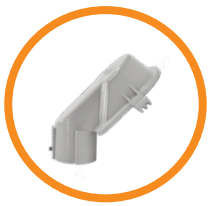
Accessories

ALxxxx2xDUNxGN

Fixtures are available with a factory-installed universal mounting adapter (UMA), see product N-chart for details. Choose from one of the four available mounting options:

Wall Mount
HZXW01

45° Wall Mount
HZXW45



45° Stanchion Mount
HZXS45

1.25" Slip-fit Pole Mount
HZXCV34

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

HZXSTAN100S
- 1.00" (1.315" Pole OD) slip-fit stanchion mount

HZXSTAN125S
- 1.25" (1.660" Pole OD) slip-fit stanchion mount

HZXSTAN150S
- 1.50" (1.900" Pole OD) slip-fit stanchion mount

HZXSTAN200S
- 2.00" (2.375" Pole OD) slip-fit stanchion mount

HZXSTAN100T
- 1.00" (1.315" Pole OD) NPT-threaded stanchion mount

HZXSTAN125T
- 1.25" (1.660" Pole OD) NPT-threaded stanchion mount

HZXSTAN150T
- 1.50" (1.900" Pole OD) NPT-threaded stanchion mount

HZXSTAN200T
- 2.00" (2.375" Pole OD) NPT-threaded stanchion mount

HZXW3
- 316 stainless steel bracket

HZXW7
- Aluminum bracket

HZXW4
- 316 stainless steel bracket with 1.5" pipe clamp

HZXW8
- Aluminum bracket with 1.5" pipe clamp

HZXSAFECBLS
- Safety cable kit

Certified to: UL 50E • UL 1203
ISA 12.12.01 • CSA C22.2 No. 94.2-07

HBXC1
- 0.75" NPT Ceiling mount

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

HZXJB075
- 0.75" Ceiling / Wall / Pole mount junction box

HZXJB100
- 1.00" Ceiling / Wall / Pole mount junction box

HZXJB125
- 1.25" Ceiling / Wall / Pole mount junction box

HZXJB150
- 1.50" Ceiling / Wall / Pole mount junction box

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

HZXJB075PC1
- 0.75" Junction box with photocell

HZXJB100PC1
- 1.00" Junction box with photocell

HZXJB125PC1
- 1.25" Junction box with photocell

HZXJB150PC1
- 1.50" Junction box with photocell

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

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SafeSite® LED Area Light

Retro-fit Options

Retro-fit adapters can be factory installed. See product N-chart 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 End-to-End Linear Fixture

Technical Specifications

Ratings and Certifications	
• UL 1598/A	• IP66/67
• CSA C22.2 No. 250	• NEMA 4X
• UL 844	• CID2 A,B,C,D
• CSA C22.2 No. 137-M81	• CIID1 E,F,G
• 5 year warranty	• CIID2 F,G
• L70 rated for >125,000 hours	• CIII

*All features not available on every model. Please refer to product part number pages for model specifics.

Mechanical Information	
Fixture weight:	
4' model:	18 lb (8.2 kg)
2' model:	13 lb (5.9 kg)
Shipping weight:	
4' model:	20 lb (9.1 kg)
2' model:	15 lb (6.8 kg)
Mounting:	(4) 3/4" NPT openings
	Optional ceiling, flush or swivel mounting bracket

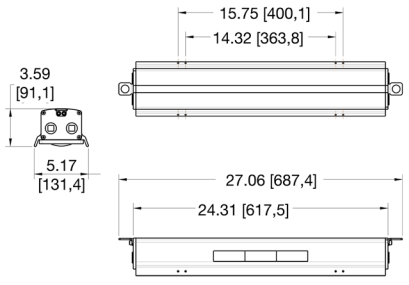
Temperature Ratings	
Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

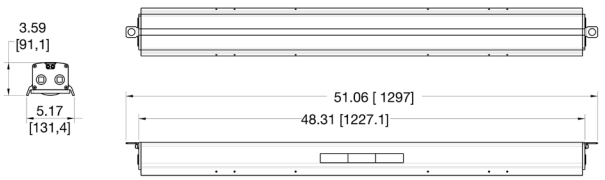
Specifications			
Voltage:	120-277 VAC	**Housing:**	Extruded 6063 aluminum
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**Lens:**	Polycarbonate
Power factor:	>0.9	**CRI:**	80
THD:	<20%	**CCT:**	5000K (cool white)
Surge protection:	6kV line-to-line, 6kV line-to-ground		4000K (neutral white)

Comparison	Warranty	L70	T-Rating
Dialight LED Linear	5yr	>125,000	T5
Metal Halide	1	6,000	T2
High Pressure Sodium	1	20,000	T2A
Fluorescent	1	24,000	T3

Lumens	Wattage	lm/W	Mounting Heights
7,500	60	125	20'
6,750	60	112	
4,000	32	125	
3,500	32	109	10'

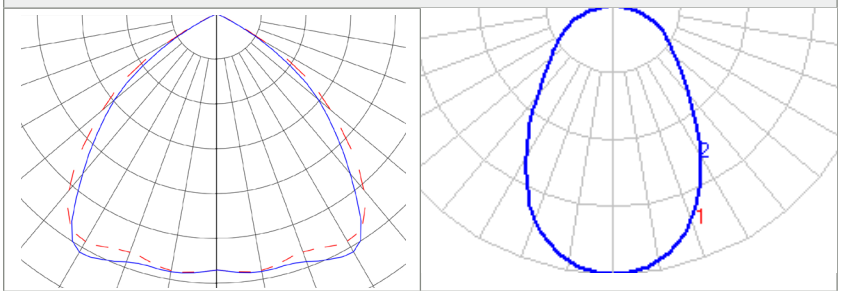
Dimensions





Dimension in inches [mm]

Beam Distribution



Clear Lens | Diffused Lens

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SafeSite® LED End-to-End Linear Fixture

Ordering Information & Accessories

Classifications: CID2 Groups A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	Beam Distribution
Class I, Div 2 Models														
LBD2MB3FNNNNGN	4'	80		•				120-277 VAC	Clear	5000K (cool white)	7,500	60	125	Medium
LBD6MB3FNNNNGN	4'	80		•				120-277 VAC	Diffused	5000K (cool white)	6,750	60	112	Medium
LAD2MB3BNNNNGN	2'	80		•				120-277 VAC	Clear	5000K (cool white)	4,000	32	125	Medium
LAD6MB3BNNNNGN	2'	80		•				120-277 VAC	Diffused	5000K (cool white)	3,500	32	109	Medium
Class II, Div 1 Models														
LBF2MB3FNNNNGN	4'	80			•	•	•	120-277 VAC	Clear	5000K (cool white)	7,500	60	125	Medium
LBF6MB3FNNNNGN	4'	80			•	•	•	120-277 VAC	Diffused	5000K (cool white)	6,750	60	112	Medium
LAF2MB3BNNNNGN	2'	80			•	•	•	120-277 VAC	Clear	5000K (cool white)	4,000	32	125	Medium
LAF6MB3BNNNNGN	2'	80			•	•	•	120-277 VAC	Diffused	5000K (cool white)	3,500	32	109	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 6th character with an **N**.

Swivel Mount

EEX-S6
- 316 stainless steel swivel mounting bracket
- Can be angled at 0°, 30°, 45°, 60°, and 90°

Ceiling Mount

EEX-C6
- 316 stainless steel fixed ceiling mount

Flush Mount

EEX-F6
- 316 stainless steel flush mount

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SafeSite® LED Linear - Low Profile

Technical Specifications

Ratings and Certifications	
• UL 1598/A	• CSA C22.2 No. 137-M81
• UL 844	• CID2 A,B,C,D
• IP66/67	• CIID1 E,F,G
• NEMA 4X	• CIID2 F,G
• 5 year warranty	• CIII
• L70 rated for >100,000 hours	

*All features not available on every model. Please refer to product part number pages for model specifics.

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

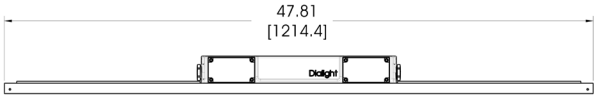
Temperature Ratings	
Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

Specifications			
Voltage:	100-277 VAC	**Housing:**	Copper-free aluminum
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**Lens:**	Polycarbonate
Power factor:	>0.9	**CRI:**	75 / 80
THD:	<20%	**CCT:**	5000K (cool white)
Surge protection:	4kV line-to-line, 4kV line-to-ground		4000K (neutral white)

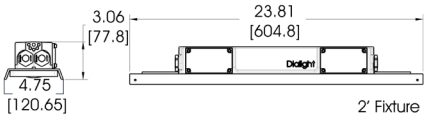
Comparison	Warranty	L70	T-Rating
Dialight LED Linear	5yr	>100,000	T5
Metal Halide	1	6,000	T2
High Pressure Sodium	1	20,000	T2A
Fluorescent	1	24,000	T3

Lumens	Wattage	lm/W	Mounting Heights
7,250	66	110	20'
6,700	66	102	
3,600	33	109	
3,300	33	100	10'

Dimensions



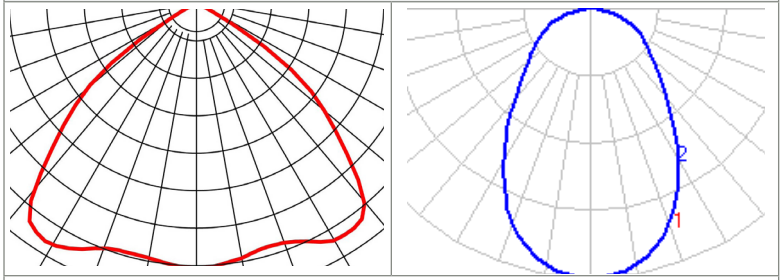
4' Fixture



2' Fixture

Dimension in inches [mm]

Beam Distribution



Clear Diffused

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SafeSite® LED Linear - Low Profile

Ordering Information & Accessories

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	Beam Distribution
Class I, Div. 2 Models														
LPD3C4M2P	4'	75		•				100-277 VAC	Clear	5000K (cool white)	7,250	66	110	Medium
LPD3C4H2W	4'	75		•				100-277 VAC	Diffused	5000K (cool white)	6,700	66	102	Medium
LPD3B4M2P	4'	80		•				100-277 VAC	Clear	5000K (cool white)	6,500	66	98	Medium
LPD3B4H2W	4'	80		•				100-277 VAC	Diffused	5000K (cool white)	6,000	66	91	Medium
LPD3C4D2P	2'	75		•				100-277 VAC	Clear	5000K (cool white)	3,600	33	109	Medium
LPD3C4B2W	2'	75		•				100-277 VAC	Diffused	5000K (cool white)	3,300	33	100	Medium
LPD3B4D2P	2'	80		•				100-277 VAC	Clear	5000K (cool white)	3,200	33	97	Medium
LPD3B4B2W	2'	80		•				100-277 VAC	Diffused	5000K (cool white)	2,900	33	88	Medium
Class II Models														
LPF3C4M2P	4'	75			•	•	•	100-277 VAC	Clear	5000K (cool white)	7,000	66	106	Medium
LPF3C4H2W	4'	75			•	•	•	100-277 VAC	Diffused	5000K (cool white)	6,500	66	98	Medium
LPF3B4M2P	4'	80			•	•	•	100-277 VAC	Clear	5000K (cool white)	6,300	66	95	Medium
LPF3B4H2W	4'	80			•	•	•	100-277 VAC	Diffused	5000K (cool white)	6,000	66	91	Medium
LPF3C4D2P	2'	75			•	•	•	100-277 VAC	Clear	5000K (cool white)	3,500	33	106	Medium
LPF3C4B2W	2'	75			•	•	•	100-277 VAC	Diffused	5000K (cool white)	3,200	33	97	Medium
LPF3B4D2P	2'	80			•	•	•	100-277 VAC	Clear	5000K (cool white)	3,000	33	91	Medium
LPF3B4B2W	2'	80			•	•	•	100-277 VAC	Diffused	5000K (cool white)	2,700	33	82	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**.

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 - Top Conduit

Technical Specifications

Ratings and Certifications	
• UL 844	• CID2 A,B,C,D
• UL 1598/A	• CIID1 E,F,G
• CSA C22.2 No. 137-M81	• CIID2 F,G
• IP66	• CIII
• NEMA 4X	• 5 year warranty
• L70 rated for >100,000 hours	

*All features not available on every model. Please refer to product part number pages for model specifics.

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

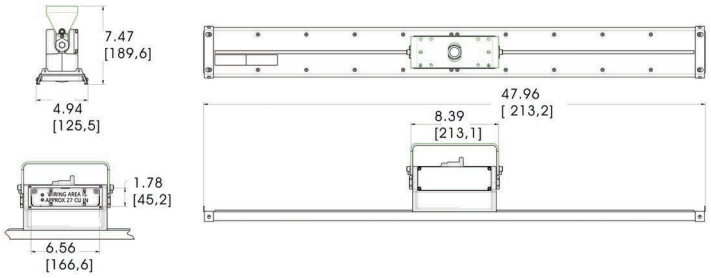
Temperature Ratings	
Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

Specifications			
Voltage:	100-277 VAC	**Housing:**	Copper-free aluminum
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**Lens:**	Polycarbonate
Power factor:	>0.9	**CRI:**	75/80
THD:	<20%	**CCT:**	5000K (cool white)
Surge protection:	4kV line-to-line, 4kV line-to-ground		4000K (neutral white)

Comparison	Warranty	L70	T-Rating
Dialight LED Linear	5yr	>100,000	T5
Metal Halide	1	6,000	T2
High Pressure Sodium	1	20,000	T2A
Fluorescent	1	24,000	T3

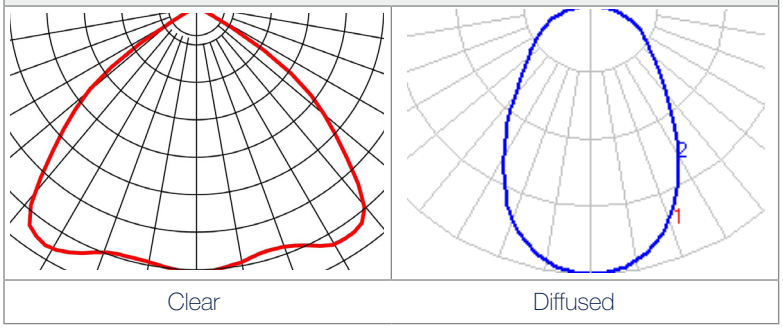
Lumens	Wattage	lm/W	Mounting Heights
7,250	66	110	20'
6,900	66	105	
3,600	33	109	
3,300	33	100	10'

Dimensions



Dimension in inches [mm]

Beam Distribution



Clear | Diffused

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SafeSite® LED Linear - Top Conduit

Ordering Information & Accessories

Classifications: CID2 Groups A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	Beam Distribution
Class I, Div. 2 Models														
LTD3C4M2P	4'	75		•				100-277 VAC	Clear	5000K (cool white)	7,250	66	110	Medium
LTD3C4H2W	4'	75		•				100-277 VAC	Diffused	5000K (cool white)	6,700	66	102	Medium
LTD3B4M2P	4'	80		•				100-277 VAC	Clear	5000K (cool white)	6,500	66	98	Medium
LTD3B4H2W	4'	80		•				100-277 VAC	Diffused	5000K (cool white)	6,000	66	91	Medium
LTD3C4D2P	2'	75		•				100-277 VAC	Clear	5000K (cool white)	3,600	33	109	Medium
LTD3C4B2W	2'	75		•				100-277 VAC	Diffused	5000K (cool white)	3,300	33	100	Medium
LTD3B4D2P	2'	80		•				100-277 VAC	Clear	5000K (cool white)	3,200	33	97	Medium
LTD3B4B2W	2'	80		•				100-277 VAC	Diffused	5000K (cool white)	2,900	33	88	Medium
Class II Models														
LTF3C4M2P	4'	75			•	•	•	100-277 VAC	Clear	5000K (cool white)	7,000	66	106	Medium
LTF3C4H2W	4'	75			•	•	•	100-277 VAC	Diffused	5000K (cool white)	6,500	66	98	Medium
LTF3B4M2P	4'	80			•	•	•	100-277 VAC	Clear	5000K (cool white)	6,300	66	95	Medium
LTF3B4H2W	4'	80			•	•	•	100-277 VAC	Diffused	5000K (cool white)	6,000	66	91	Medium
LTF3C4D2P	2'	75			•	•	•	100-277 VAC	Clear	5000K (cool white)	3,500	33	106	Medium
LTF3C4B2W	2'	75			•	•	•	100-277 VAC	Diffused	5000K (cool white)	3,200	33	97	Medium
LTF3B4D2P	2'	80			•	•	•	100-277 VAC	Clear	5000K (cool white)	3,000	33	91	Medium
LTF3B4B2W	2'	80			•	•	•	100-277 VAC	Diffused	5000K (cool white)	2,700	33	82	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**.

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

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SafeSite® LED Linear - Battery Backup

Technical Specifications

Ratings and Certifications	
• UL 844	• ClD2 A,B,C,D
• UL 924	• ClID1 E,F,G
• CSA C22.2 No. 137-M81	• ClID2 F,G
• IP66	• ClII
• NEMA 4X	• 5 year warranty
• L70 rated for >125,000 hours	

*All features not available on every model. Please refer to product part number pages for model specifics.

Temperature Ratings
Ambient Temperature Range T4 Temperature Code
-4°F to +149°F (-20°C to +65°C)

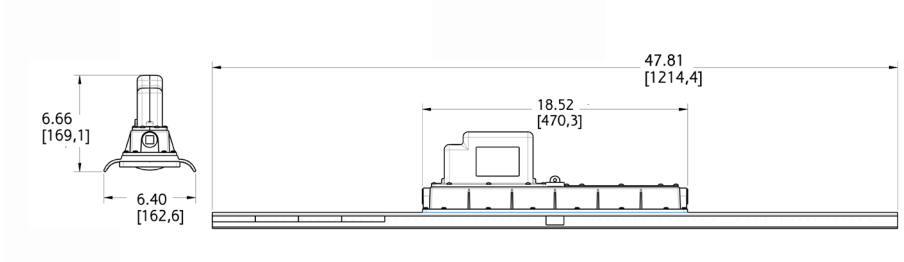
Mechanical Information	
Fixture weight:	18 lb (8.2 kg)
Shipping weight:	21 lb (9.5 kg)
Mounting:	(1) Threaded 3/4" NPT Side
	(2) Threaded 3/4" NPT Ends

Specifications			
Voltage:	120-277 VAC	**Housing:**	Copper-free aluminum
Operating temp:	-4°F to +149°F (-20°C to +65°C)	**Lens:**	Polycarbonate
Power factor:	>0.9	**CRI:**	75
THD:	<20%	**CCT:**	5000K (cool white)
Surge protection:	1kV line-to-line, 2kV line-to-ground		4000K (neutral white)
Battery:	3.6V 10Ah Nimh	**Battery Duration:**	@ 25°C ambient - est. >3 hours

Comparison			
	Warranty	**L70**	**T-Rating**
Dialight LED Linear	5yr	>125,000	T5
Metal Halide	1	6,000	T2
High Pressure Sodium	1	20,000	T2A
Fluorescent	1	24,000	T3

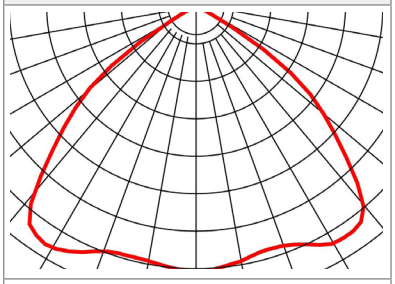
Lumens	Wattage	lm/W	Mounting Heights
7,000	85	82	20' and under

Dimensions



Dimension in inches [mm]

Beam Distribution



Medium

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.

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SafeSite® LED Linear - Battery Backup

Ordering Information & Accessories

Classifications: ClD2 Groups A, B, C, D • ClID1 E, F, G • ClID2 F, G • ClII

Part Number	Length	CRI	Type	CID1	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 (tolerance +/- 10%).
Part numbers listed in the table above are cool white. For neutral white models, replace the 5th character with an **N**.

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

Ratings and Certifications	
• UL 844	• CID1 C,D
• ABS	• CSA C22.2 No. 137-M81
• IP66	• 5 year warranty
• NEMA 4X	• L70 rated for >125,000 hours

*All features not available on every model. Please refer to product part number pages for model specifics.

Temperature Ratings	
(4ft models) Ambient Temperature Range T4A Temperature Code	(2ft models) Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +149°F (-40°C to +65°C)

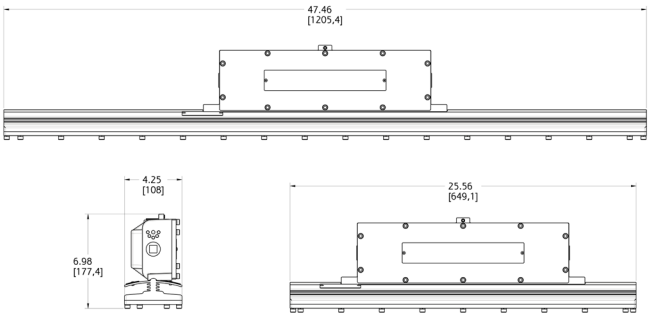
Mechanical Information	
Fixture weight:	
4' model:	26 lb (11.8 kg)
2' model:	18 lb (8.2 kg)
Shipping weight:	
4' model:	29 lb (13.2 kg)
2' model:	20 lb (9.1 kg)
Mounting:	(1) 3/4" NPT-threaded side
	(2) 3/4" NPT-threaded ends

Specifications			
Voltage options:	100-277 VAC	**Housing:**	Copper-free aluminum
	347-480 VAC	**Lens:**	Tempered glass
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**CRI:**	75
Power factor:	>0.9	**CCT:**	5000K (cool white)
THD:	<20%		4000K (neutral white)
Surge protection:	4kV line-to-line, 4kV line-to-ground		

Comparison	Warranty	L70	T-Rating
Dialight LED Linear	5yr	>125,000	T5
Metal Halide	1	6,000	T2
High Pressure Sodium	1	20,000	T2A
Fluorescent	1	24,000	T3

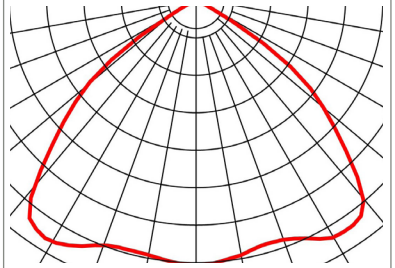
Lumens	Wattage	lm/W	Mounting Heights
7,250	68	106	20'
3,600	34	106	10'

Dimensions



Dimension in inches [mm]

Beam Distribution



Medium

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SafeSite® LED Linear - Class I, Div. 1

Ordering Information & Accessories

Classifications: CID1 Groups C, D

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	Beam Distribution
100-277 VAC Models														
LSC3C4M3GEX	4'	75	•					100-277 VAC	Tempered glass	5000K (cool white)	7,250	68	106	Medium
LSC3C4D3GEX	2'	75	•					100-277 VAC	Tempered glass	5000K (cool white)	3,600	34	106	Medium
347-480 VAC Models														
LSC3C5M3GEX	4'	75	•					347-480 VAC	Tempered glass	5000K (cool white)	7,250	100	72	Medium
LSC3C5D3GEX	2'	75	•					347-480 VAC	Tempered glass	5000K (cool white)	3,600	50	72	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 Linear - Battery Backup - Class I, Div. 1

Technical Specifications

Ratings and Certifications	
• UL 1598/A	• CSA C22.2 No. 250
• UL 844	• CID1 C, D
• IP66	• CID2 A, B, C, D
• NEMA 4X	• 5 year warranty
• CSA C22.2 No. 137-M81	• L70 rated for >125,000 hours

*All features not available on every model. Please refer to product part number pages for model specifics.

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

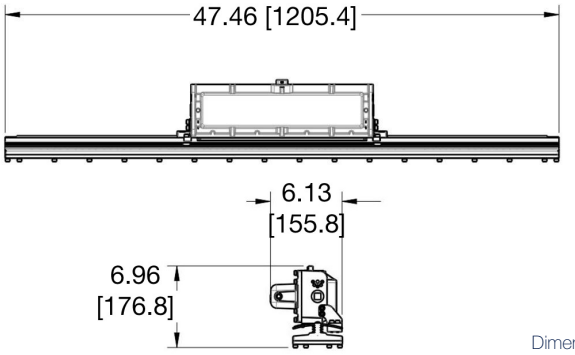
Mechanical Information	
Fixture weight:	32 lb (14.5 kg)
Shipping weight:	35 lb (15.9 kg)
Mounting:	(1) 3/4" NPT-threaded side
	(2) 3/4" NPT-threaded ends

Specifications			
Voltage:	120-277 VAC	**Housing:**	Copper-free aluminum
Operating temp:	-4°F to +149°F (-20°C to +65°C)	**Lens:**	Tempered glass
Power factor:	>0.9	**CRI:**	75
THD:	<20%	**CCT:**	5000K (cool white)
Surge protection:	1kV line-to-line, 2kV line-to-ground		4000K (neutral white)
Battery:	3.6V 10Ah Nimh	**Battery Duration:**	@ 25°C ambient - est. >3 hours

Comparison			
	Warranty	**L70**	**T-Rating**
Dialight LED Linear	5yr	>125,000	T4A
Metal Halide	1	6,000	T2
High Pressure Sodium	1	20,000	T2A
Fluorescent	1	24,000	T3

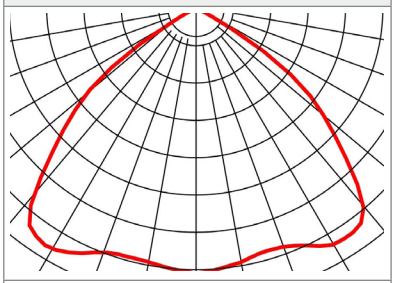
Lumens	Wattage	lm/W	Mounting Heights
7,250	85	85	20' and lower

Dimensions



Dimension in inches [mm]

Beam Distribution



Medium

This fixture is offered in a sustained configuration.
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.

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

Ordering Information & Accessories

Classifications: CID1 Groups C, D

Part Number	Length	CRI	Type	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	Beam Distribution
Class I, Div. 1 Model															
LSC3C4MEGEX	4'	75	Sustained	•	•				120-277 VAC	Clear	5000K (cool white)	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 Wallpack / Bulkhead

Technical Specifications

Ratings and Certifications	
• UL 1598/A	• CID2 A,B,C,D
• CSA C22.2 No. 250	• CIID2 F,G
• IP66/67	• 5 year warranty
• RoHS compliant	• L70 rated for >150,000 hours

*All features not available on every model. Please refer to product part number pages for model specifics.

Temperature Ratings	
Ambient Temperature Range T4A Temperature Code	
11W / 22W	34W
-40°F to +140°F (-40°C to +60°C)	-40°F to +122°F (-40°C to +50°C)

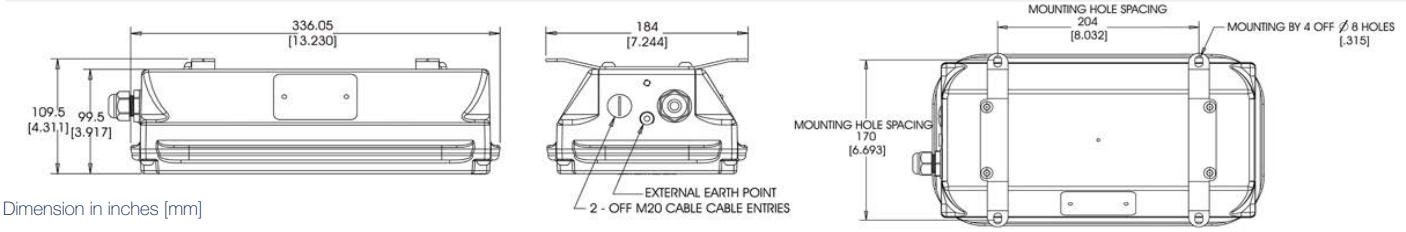
Mechanical Information	
Fixture weight:	11 lb (5.0 kg)
Shipping weight:	16 lb (7.3 kg)
Cable entry:	All cable entries are drilled and tapped (see ordering options)

Specifications			
Voltage options:	100-277 VAC	**Housing:**	Copper-free LM6 cast aluminum
Operating temp:		**Lens:**	High impact resistance clear/ frosted glass
11W / 22W	-40°F to +140°F (-40°C to +60°C)	**CRI:**	75
34W	-40°F to +122°F (-40°C to +50°C)	**CCT:**	5650K (cool white)
Power factor:	>0.9		4300K (neutral white)
THD:	<20%	**Surge protection:**	1kV line-to-line, 2kV line-to-ground

Comparison			
	Warranty	**L70**	**T-Rating**
Dialight LED Wallpack/Bulkhead	5yr	>150,000	T6
Metal Halide	1	6,000	T2
High Pressure Sodium	1	20,000	T2A

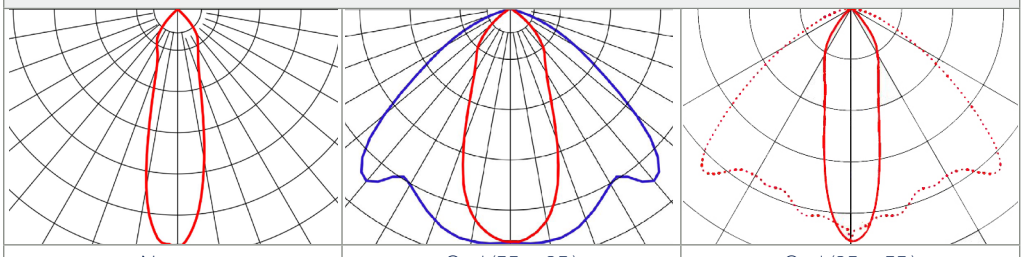
Lumens	Wattage	lm/W	Mounting Heights
2,250	34	66	20'
2,150	34	63	
1,200	22	55	
600	11	55	10'

Dimensions



Dimension in inches [mm]

Beam Distribution



Narrow	Oval (55° x 35°)	Oval (35° x 55°)

Entry Options

Standard Option 2 Entries One Side	**Option "E"** 2 Entries One Side, 1 Entry Opposite Side. Add E to the end of the order code	**Option "R"** Add R to the end of the order code	**Option "H"** 2 Entries One Side, 2 Entries Opposite Side and 1 Entry in the Rear Add H to the end of the order code

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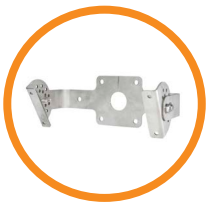
SafeSite® LED Wallpack / Bulkhead

Ordering Information & Accessories

Classifications: CID2 Groups A, B, C, D • CIID2 F, G

Part Number	Bracket	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	Beam Distribution
Standard Models - 100-277 VAC													
WPC4C3LALGC	Angle		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	2,250	34	66	Oval (35° x 55°)
WPC4C3LFLGC	Flush		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	2,250	34	66	Oval (35° x 55°)
WPC2C3LNLGC	Standard		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	2,250	34	66	Narrow
WPC5C3LFLGCE	Flush		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	2,150	34	63	Oval (55° x 35°)
WPC5C3LFLGC	Flush		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	2,150	34	63	Oval (55° x 35°)
WPC5C3LNLGC	Standard		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	2,150	34	63	Oval (55° x 35°)
WPC5C3HALGF	Angle		•		•		100-277 VAC	Frosted tempered glass	5650K (cool white)	1,200	22	55	Oval (55° x 35°)
WPC2C3HALGC	Angle		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	1,200	22	55	Narrow
WPC2C3HALGF	Angle		•		•		100-277 VAC	Frosted tempered glass	5650K (cool white)	1,200	22	55	Narrow
WPC2C3HFLGC	Flush		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	1,200	22	55	Narrow
WPC2C3HFLGF	Flush		•		•		100-277 VAC	Frosted tempered glass	5650K (cool white)	1,200	22	55	Narrow
WPC4C3HALGC	Angle		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	1,200	22	55	Oval (35° x 55°)
WPC4C3HALGF	Angle		•		•		100-277 VAC	Frosted tempered glass	5650K (cool white)	1,200	22	55	Oval (35° x 55°)
WPC4C3HFLGC	Flush		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	1,200	22	55	Oval (35° x 55°)
WPC5C3HNLGF	Standard		•		•		100-277 VAC	Frosted tempered glass	5650K (cool white)	1,200	22	55	Oval (35° x 55°)
WPC2C3HNLGC	Standard		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	1,200	22	55	Narrow
WPC4C3HNLGC	Standard		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	1,200	22	55	Oval (35° x 55°)
WPC2C3CALGC	Angle		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	600	11	55	Narrow
WPC4C3CALGC	Angle		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	600	11	55	Oval (35° x 55°)
WPC4C3CALGF	Angle		•		•		100-277 VAC	Frosted tempered glass	5650K (cool white)	600	11	55	Oval (35° x 55°)
WPC2C3CNLGC	Standard		•		•		100-277 VAC	Clear tempered glass	5650K (cool white)	600	11	55	Narrow

All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in the table above come with (2) M20 entries on one side. For through wiring models, add an **E** to the end of the part number. For rear entry option, add an **R** to the end of the part number. For 3/4" NPT-threaded entries, add a **5** to the end of the part number.



WP-BRKT-SSAD-J
- Adjustable bracket

WP-BRKT-LG-PF
- Pipe and flush bracket

WP-STMB-LG00- 22
- 1 1/2" BSP-threaded straight stanchion mounting bracket

WP-STMB-LG00 -24
- 1 1/2" NPT-threaded straight stanchion mounting bracket

WP-STMB-LG85-22
- 1 1/2" BSP-threaded 85° stanchion mounting bracket

WP-STMB-LG85-24
- 1 1/2" NPT-threaded 85° stanchion mounting bracket

WP-STMB-LG25-22
- 1 1/2" BSP-threaded 25° stanchion mounting bracket

WP-STMB-LG25-24
- 1 1/2" NPT-threaded 25° stanchion mounting bracket

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SafeSite® LED RTO Area Light

Technical Specifications

Ratings and Certifications	
• UL 1598/A	• UL 50E
• UL 844	• CID2 A,B,C,D
• CSA C22.2 No. 250	• CIID1 E,F,G
• CSA C22.2 No. 137-M81	• CIID2 F,G
• IP66	• 5 year warranty
• NEMA 4X	• L70 rated for >150,000 hours

*All features not available on every model. Please refer to product part number pages for model specifics.

Temperature Ratings
Ambient Temperature Range T3C Temperature Code
-40°F to +131°F (-40°C to +55°C)

Mechanical Information	
Fixture weight:	
RTO0Wxx001:	2.5 lb (1.13 kg)
RTO0Wxx005:	3.2 lb (1.45 kg)
RTO0Wxx004:	0.8 lb (0.36 kg)
Shipping weight:	
RTO0Wxx001:	3.0 lb (1.36 kg)
RTO0Wxx005:	4.5 lb (2.04 kg)
RTO0Wxx004:	1.4 lb (0.64 kg)
Mounting:	
Pendant mount:	1" & 3/4" NPT reducer bi-directional mounting
Ceiling mount:	3/4" NPT 5-way surface mounting
Pendant mount:	3/4" NPT-threaded conduit

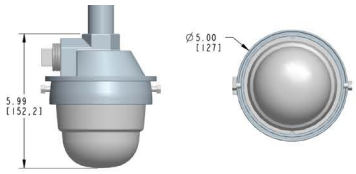
Specifications			
Voltage options:	100-277 VAC	**Housing:**	Copper-free aluminum
	24 - 48 VDC	**Lens:**	Polycarbonate
Operating temp:	-40°F to +133°F	**CRI:**	75
	(-40°C to +55°C)	**CCT:**	6000K (cool white)
Power factor:	>0.9	**Surge protection:**	1kV line-to-line 2kV line-to-ground
THD:	<20%		

Comparison			
	Warranty	**L70**	**T-Rating**
Dialight LED RTO Area Light	5yr	>150,000	T3C
Incandescent	1	6,000	T2B
CFL	1	20,000	T3

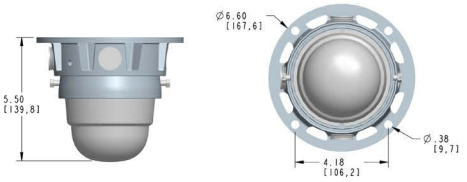
Lumens	Wattage	lm/W	Mounting Heights
800	8	100	15' and lower
470	8	59	

Dimensions

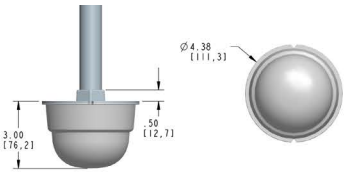
RTO-0W*xx*-001



RTO-0W*xx*-005

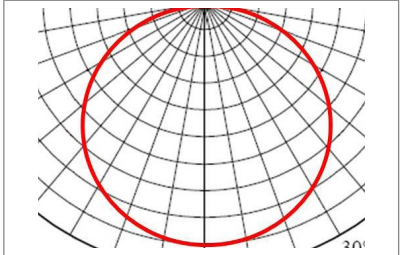


RTO-0W*xx*-004



Dimensions in mm [inches]

Beam Distribution



Circular

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SafeSite® LED RTO Area Light

Ordering Information & Accessories

Classifications: CID2 Groups A, B, C, D • CIID1 E,F,G • CIID2 F,G

Part Number	Type	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	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 - 24-48 VDC													
RTODW18005	Ceiling mount with junction box			•	•		24-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTODW18004	Pendant mount			•	•		24-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTODW18001	Pendant mount with junction box			•	•		24-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTO2W18005	Ceiling mount with junction box		•				24-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTO2W18004	Pendant mount		•				24-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTO2W18001	Pendant mount with junction box		•				24-48 VDC	Polycarbonate	6000K (cool white)	800	8	100	Circular
RTODW08005	Ceiling mount with junction box			•	•		24-48 VDC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTODW08004	Pendant mount			•	•		24-48 VDC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTODW08001	Pendant mount with junction box			•	•		24-48 VDC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTO2W08005	Ceiling mount with junction box		•				24-48 VDC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTO2W08004	Pendant mount		•				24-48 VDC	Polycarbonate	6000K (cool white)	470	8	59	Circular
RTO2W08001	Pendant mount with junction box		•				24-48 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 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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StreetSense® LED Streetlight

Technical Specifications

Ratings and Certifications	
• UL 1598/A	• NEMA 4X
• UL 1012	• IP66
• UL 1449	• CSA C22.2 No. 250-08
• 7 year warranty	• L70 rated for >150,000 hours

*All features not available on every model. Please refer to product part number pages for model specifics.

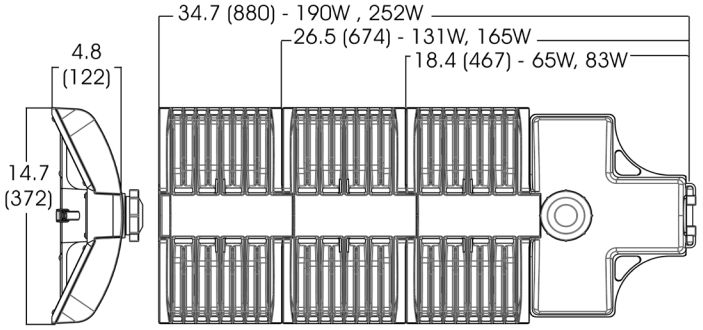
Mechanical Information	
Fixture weight:	
65W/83W:	16 lb (7.3 kg)
131W/165W:	25 lb (11.3 kg)
190W/252W:	34 lb (15.4 kg)
Shipping weight:	
65W/83W:	21 lb (9.5 kg)
131W/165W:	30 lb (13.6 kg)
190W/252W:	39 lb (17.7 kg)
Mounting:	Accommodates 1.25" (1.66" OD) - 2" (2.375" OD) 31.75mm (42.16mm OD) - 50.8mm (60.32mm OD) pipe. Provision for adjustment of +/- 5° at 2.5° increments

Specifications			
Voltage options:	100-277 VAC	**Housing:**	Copper-free aluminum
	347-480 VAC	**Lens:**	Tempered glass
Operating temp:	-40°F to +149°F (-40°C to +65°C)	**CRI:**	75
Power factor:	>0.9	**CCT:**	5000K (cool white)
THD:	<20%		4300K (neutral white)
Surge protection:	Open circuit surge protection 10kV standard per ANSI/IEEE C62.41. 2.2002 cat C high	**EPA (Sq. ft)**	
		65W / 83W:	0.60
		131W / 165W:	0.87
		190W / 252W:	1.13

Comparison		
	Warranty	**L70**
Dialight LED Street Light	7yr	>150,000
Metal Halide	1	6,000
High Pressure Sodium	1	20,000

Lumens	Wattage	lm/W	Mounting Heights
20,250	252	80	50'
16,000	190	84	
13,300	165	81	
10,900	131	83	
6,800	83	82	
5,500	65	85	15'

Dimensions



Dimension in inches [mm]

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StreetSense® LED Streetlight

Ordering Information & Accessories

Part Number	Number of Light Engines	EPA (SQ. ft)	BUG Rating	Voltage	Lens	CCT	Fixture Lumens	Watt	lm/W	Beam Distribution
Standard Models - 100-277 VAC										
SL3C5SLGG	3	1.13	B3U1G3	100-277 VAC	Tempered glass	5000K (cool white)	20,250	252	80	Type III
SL3C5RLGG	3	1.13	B3U1G3	100-277 VAC	Tempered glass	5000K (cool white)	16,000	190	84	Type III
SL3C5ILGG	2	0.87	B3U1G3	100-277 VAC	Tempered glass	5000K (cool white)	13,300	165	81	Type III
SL3C5HLGG	2	0.87	B2U1G2	100-277 VAC	Tempered glass	5000K (cool white)	10,900	131	83	Type III
SL3C5DLGG	1	0.60	B2U1G2	100-277 VAC	Tempered glass	5000K (cool white)	6,800	83	82	Type III
SL3C5CLGG	1	0.60	B1U1G1	100-277 VAC	Tempered glass	5000K (cool white)	5,500	65	85	Type III
Standard models - 347-480 VAC										
SL3C7SLGG	3	1.13	B3U1G3	347-480 VAC	Tempered glass	5000K (cool white)	20,250	252	80	Type III
SL3C7RLGG	3	1.13	B3U1G3	347-480 VAC	Tempered glass	5000K (cool white)	16,000	190	84	Type III
SL3C7ILGG	2	0.87	B3U1G3	347-480 VAC	Tempered glass	5000K (cool white)	13,300	165	81	Type III
SL3C7HLGG	2	0.87	B2U1G2	347-480 VAC	Tempered glass	5000K (cool white)	10,900	131	83	Type III
SL3C7DLGG	1	0.60	B2U1G2	347-480 VAC	Tempered glass	5000K (cool white)	6,800	83	82	Type III
SL3C7CLGG	1	0.60	B1U1G1	347-480 VAC	Tempered glass	5000K (cool white)	5,500	65	85	Type III

All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in the table above are cool white. For neutral white models, replace the 4th character with an **N**.

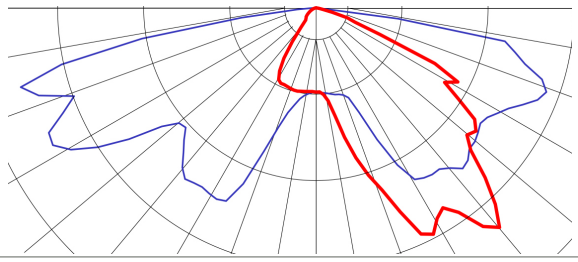
SLSHIELDKIT
- House side shield

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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