



HAZARDOUS LOCATION LIGHTING



4 HAZARDOUS LOCATION LIGHTING

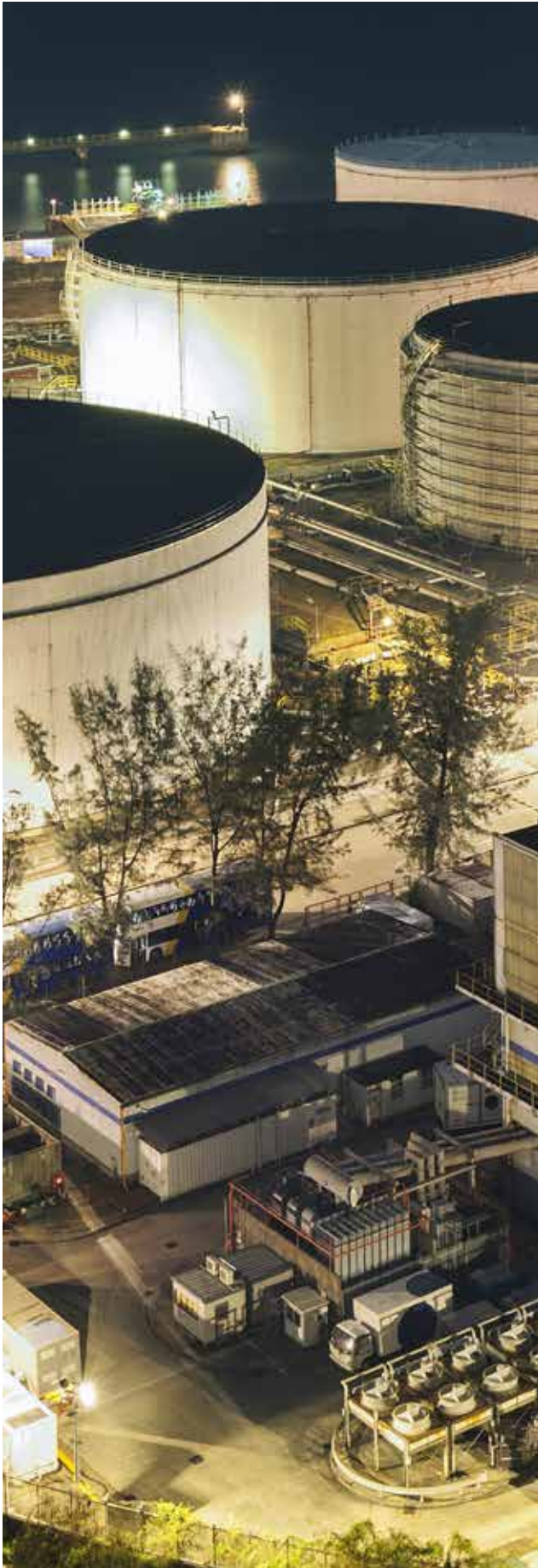
Hazardous Classes & Divisions, Gas & Dust Groups, Temperature Classifications

7 LUMINAIRES

Multi-mount, Flood, Linear, Vapor Tight, High Bay

39 EMERGENCY LIGHTING

Running Man, Exit Signs, Battery Units, Remote Fixtures



Hazardous Location Lighting

A hazardous area (also known as a potentially explosive atmosphere) is an environment that consists of air containing any concentrations of flammable gases, vapours, mists, liquids, combustible dusts or even small fibers that are potentially explosive in nature. Situations which involve the processes of production, transformation, delivery and stocking of flammable substances commonly produce potentially explosive environments.

Typical industries include: Oil & Gas, Petrochemical Refining & Processing, Fuel Storage, Chemical Manufacturing, and Power Generation. Other industries include: Car Manufacturing, Water Treatment, Pharmaceutical, Distilleries, Food Manufacturers, Aviation, Military, and Blast & Paint.

However, many companies don't realize dust can also create hazardous areas, and places such as food and beverage manufacturers, plastics factories, flour mills, recycling operations and grain handling & storage also need to ensure any potential hazardous areas are classified correctly.

Electrical equipment intended to be installed in such environments must be specially designed and tested to meet a range of requirements that together ensure the safety of personnel and avoid potentially dangerous situations resulting from the equipment's reaction to its surroundings. Special enclosures, wiring, electrical components, and structural integrity must be used for safety purposes.



Hazardous Classes & Divisions

CLASSES

Class defines the general nature (or properties) of the hazardous material in the surrounding

CLASS I

Hazardous because flammable gases or vapours 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

DIVISIONS

Division defines the probability of the hazardous material being present in an ignitable concentration in the surrounding atmosphere

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 container failure or system breakdown

Gas & Dust Groups

Explosive atmospheres have different chemical properties that affect the likelihood and severity of an explosion. Such properties include flame temperature, minimum ignition energy, upper and lower explosive limits, and molecular weight.

Every substance has a differing combination of properties but it is found that they can be ranked into similar ranges, simplifying the selection of equipment for hazardous areas. Each chemical gas or vapour used in industry is classified into a gas group.

| Area | Group | Representative Materials |
|---------------------------|-------|--|
| Class I, Division 1 & 2 | A | Acetylene |
| | B | Hydrogen |
| | C | Ethylene |
| | D | Propane |
| Class II, Division 1 & 2 | E | Metal dusts, such as magnesium |
| | F | Carbonaceous dusts, such as carbon & charcoal |
| | G | Non-conductive dusts, such as flour, grain, wood & plastic |
| Class III, Division 1 & 2 | None | Ignitable fibers/flying's, such as cotton lint, flax & rayon |

Temperature Classifications

Another important consideration is the temperature classification of the electrical equipment.

The following table tells us, for example, that the surface temperature of a piece of electrical equipment with a temperature classification of T3 will not rise above 200 °C.

| NORTH AMERICA (NEC) °C | |
|------------------------|-----------|
| T1 - 450 | T3A - 180 |
| T2 - 300 | T3B - 165 |
| T2A - 280 | T3C - 160 |
| T2B - 260 | T4 - 135 |
| T2C - 230 | T4A - 120 |
| T2D - 215 | T5 - 100 |
| T3 - 200 | T6 - 85 |

CXM

HAZARDOUS LOCATION MULTI MOUNT LUMINAIRE

Class I, Division 1, Groups B, C, D

Class I, Division 2, Groups A, B, C, D

Class II, Division 1, Groups E, F, G

Class III

Non recessed marine luminaires, outside type (salt water)

The CXM Hazardous Location LED luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present or in NEMA 3 and 4X locations where wind, water, snow or high ambient temperatures can be expected. The CXM can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC and IEC.

FEATURES AND SPECIFICATIONS

• Construction

Housing

Rugged and resilient housing made of a copper-free aluminum corrosion resistant casting with separated driver compartment for improved thermal management. All exposed fasteners are quality stainless steel as well as high temperature quality silicone gasketing. Available in a grey casting color and a superior electrostatic powder coating.

Temperature ratings

Based on the surface temperature of the fixture;

- Class I, Division 1 is rated T6 for 21 W, 40 W and 50 W (will not exceed 85°C) and rated T5 (will not exceed 100°C) for 60 W configurations.
- Class I Division 2 is rated T4A (will not exceed 120°C), except for 21 W and 50 W configurations and is rated T4 (will not exceed 135°C) for 40 W and 60 W configurations.
- Class II Division 1 & Class III are rated T6 for 21 W, 40 W and 50 W (will not exceed 85°C) and rated T5 (will not exceed 100°C) for 60 W configurations.

Ambient operating temperature

- 21, 40, 50 W: -40°C to +65°C
- 60 W: -40°C to +64°C

Ambient operating humidity

5% ~ 95% RH

Optics

This luminaire is outfitted with either a thermal shock and impact resistant tempered glass lens or a polycarbonate lens. A clear finish is available for the glass lens only and a diffuse finish is available for both lens materials. Type II and III distribution patterns are available with the clear glass lens and Type V distribution pattern is available for diffuse glass and polycarbonate lenses.

OVERVIEW

| | |
|-----------------------|---------------------|
| Light source | LED |
| Watts (W) | 21, 40, 50, 60 |
| Lumen output (lm) | 2 648 - 8 514 |
| Efficiency (lm/W) | 100 - 124 |
| Color temperature (K) | 2 700, 4 000, 5 000 |
| CRI | >75 |
| Weight (lbs) | 7.30 - 13.90 |

• Electrical

Available in either 1 (21 W), 2 (40 W), 3 (50 W) or 4 (60 W) lumen packages with a lumen per watt ration of 100 to 124 lm/W. Driver input voltages are 120-277 V or 347-480 V 50/60Hz are non-dimmable and have 4 kV integrated transient surge protection with a power factor >0.95. The CXM is offered in either 2 700, 4 000 or 5 000 K color temperatures with a color rendering index (CRI) >75.

• NEC/CEC Standards

NEC500/CEC Section 18: Existing plants

- Hazloc D :
 - Class I, Division 1, Groups B, C, D
 - Class I, Division 2, Groups A, B, C, D
 - Class II, Division 1, Groups E, F, G
 - Class III
- Hazloc E :
 - Class I, Division 2, Groups A, B, C, D
 - Class II, Division 1, Groups E, F, G
 - Class III

NEC505/CEC Section 18 Zones: New plants

- Hazloc D :
 - Class I, Zone 1, Group IIB + H2
 - Class I, Zone 2, Group IIC
 - Zone 21
- Hazloc E :
 - Class I, Zone 2, Group IIC
 - Zone 21

• Compliances

- Meets requirements of ICES-005 issue 5 for class A products
- 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
- IK08 (glass lens)
- IK10 (PC lens)
- UL Standards
 - UL844
 - UL1598A
 - UL1598
 - UL8750
 - CSA Standards
 - CSA C22.2 No.250.0 250.13
 - CSA C22.2 No.137



Glass Lens (CID1, CID2, CID1)



Polycarbonate Lens (CID2, CID1)



Top View (CID1 & CID2)



ICES
005



IK08



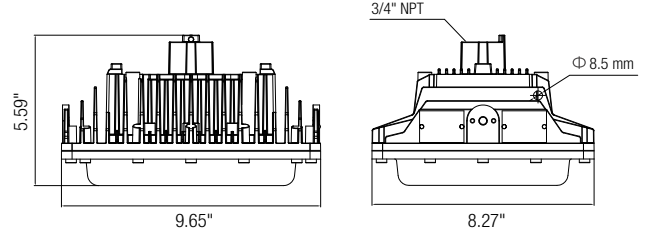
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DIMENSIONS

GLASS LENS



POLYCARBONATE LENS



| Lens type | Lumen package | Net Weight (lbs) | Dimensions (LxWxH) (in) |
|--------------------|---------------|------------------|-------------------------|
| Glass lens | 1 (21 W) | 10.50 | 9.7 x 8.3 x 5.1 |
| | 2 (40 W) | 10.80 | |
| | 3 (50 W) | 11.70 | |
| | 4 (60 W) | 11.70 | |
| Polycarbonate lens | 1 (21 W) | 7.30 | 9.7 x 8.3 x 5.6 |
| | 2 (40 W) | 7.50 | |
| | 3 (50 W) | 8.40 | |
| | 4 (60 W) | 8.40 | |

MOUNTINGS

PENDANT MOUNT (STANDARD)



ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

CEILING MOUNT BKT836

GLASS LENS

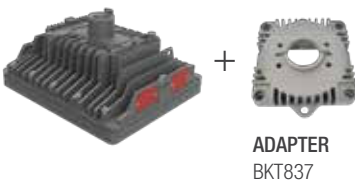


POLYCARBONATE LENS



MULTI MOUNT

PENDANT MOUNT AND ADAPTER (BKT837) FOR ALL THE FOLLOWING MOUNTINGS:



CEILING MOUNT JB018



WALL MOUNT BKT771-25 or BKT771-90



POLE MOUNT (25° ANGLE) BKT772-P166 or BKT772-P1900



POLE MOUNT (90° ANGLE) BKT773-P166 or BKT773-P1900



ORDERING GUIDE

| CXM | | | | GY | | | |
|--------|-------------------|---------------------------|-------------|-----------------------|-----------------|---------------|---|
| Series | Lumen package (W) | Distribution type | Volt (V) | Hazloc | Color temp. (K) | Casting color | Lens options |
| CXM | 1 - 21 | 2 - Type II ¹ | W - 120-277 | D - CID1, CID2, CIID1 | 27K - 2 700 | GY - Grey | TG - Transparent flat glass lens ² FG - Diffuse flat glass lens ² FP - Diffuse PC lens ³ |
| | 2 - 40 | 3 - Type III ¹ | I - 347-480 | E - CID2, CIID1 | 40K - 4 000 | | |
| | 3 - 50 | 5 - Type V | | | W - 120-277 | | |
| | 4 - 60 | | | | | | |

¹ Type II and III only available with TG lens option

² TG and FG lens options are only available with hazloc D

³ FP lens option is only available with hazloc E

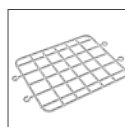
ACCESSORIES FOR MOUNTING (order separately)

| Mounting | Part number | Type |
|---------------|-------------|--|
| PENDANT MOUNT | BKT836 | U-Bracket (SUS 304) |
| | WGD078-F | Stainless steel wireguard (Glass lens) |
| | WGD078-D | Stainless steel wireguard (Polycarbonate lens) |
| | HAR1117 | Stainless steel safety cable kit |
| | BKT838 | Pipe clamps for pole 1-7/8" ¹ |
| | BKT775 | Pipe clamps for pole 2-3/8" ¹ |

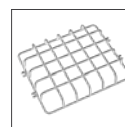
¹ Two (2) pipe clamps per box



BKT836
U-Bracket



WGD078-F
Wireguard
Glass lens



WGD078-D
Wireguard
Polycarbonate lens



HAR1117
Stainless steel
safety cable kit



BKT838 or BKT775
Stanchion mount
pipe clamp

| Mounting | Part number | Type |
|-------------|--------------|--|
| MULTI MOUNT | BKT837 | Adapter for multi mount ² |
| | JB018 | Junction box NPT 3/4" |
| | BKT771-25 | Wall mount - 25° |
| | BKT771-90 | Wall mount - 90° |
| | BKT772-P166 | Stanchion - 25° (NPT 1.25") |
| | BKT772-P1900 | Stanchion - 25° (NPT 1.50") |
| | BKT773-P166 | Stanchion - 90° (NPT 1.25") |
| | BKT773-P1900 | Stanchion - 90° (NPT 1.50") |
| | WGD078-F | Stainless steel wireguard (Glass lens) |
| | WGD078-D | Stainless steel wireguard (Polycarbonate lens) |
| | HAR1117 | Stainless steel safety cable kit |

² Mandatory for any Multi mount mountings



BKT837
Adapter for
multi mount²



JB018
Junction box
NPT 3/4"



BKT771-25
Wall mount - 25°



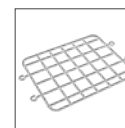
BKT771-90
Wall mount - 90°



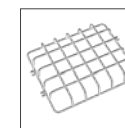
**BKT772-P166 or
BKT772-P1900**
Stanchion - 25°



**BKT773-P166 or
BKT773-P1900**
Stanchion - 90°



WGD078-F
Wireguard
Glass lens



WGD078-D
Wireguard
Polycarbonate lens



HAR1117
Stainless steel
safety cable kit

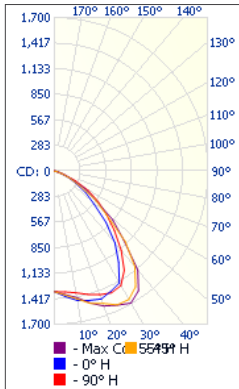
TECHNICAL SPECIFICATION TABLE

| Lumen package | Distribution type | Lens type | Watts (W) | Volts (VAC) | LED current (mA) | Lumen output (lm) | Efficiency (lm/w) | CRI | Life L70 (hrs) | Tested hours LM80 (hrs) | Power factor | THD (%) | B.U.G. rating | # of LEDs | |
|----------------|-------------------|-----------------------|---------------|-------------|------------------|-------------------|-------------------|-----|----------------|-------------------------|--------------|---------|---------------|-----------|-----|
| 2 700 K | | | | | | | | | | | | | | | |
| 1 | 2 | Clear glass | 21 | 120-277 | 113 | 3 151 | 147 | >75 | >300 000 | 10 000 | 0.99 | <20 | B1-U0-G0 | 60 | |
| | 3 | | 21 | 120-277 | 113 | 2 960 | 138 | >75 | >300 000 | 10 000 | 0.99 | <20 | B1-U0-G1 | 60 | |
| | 5 | | 21 | 120-277 | 113 | 3 279 | 153 | >75 | >300 000 | 10 000 | 0.99 | <20 | B2-U0-G0 | 60 | |
| 2 | 2 | | 40 | 120-277 | 117 | 5 831 | 142 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G0 | 108 | |
| | 3 | | 40 | 120-277 | 117 | 5 452 | 133 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 | |
| | 5 | | 40 | 120-277 | 117 | 6 037 | 147 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 | |
| 3 | 2 | | 50 | 347-480 | 100 | 6 760 | 137 | >75 | >170 000 | 10 000 | 0.99 | <20 | B3-U0-G0 | 138 | |
| | 3 | | 50 | 347-480 | 100 | 6 396 | 130 | >75 | >170 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 138 | |
| | 5 | | 50 | 347-480 | 100 | 7 051 | 143 | >75 | >170 000 | 10 000 | 0.96 | <20 | B3-U0-G1 | 138 | |
| 4 | 2 | | 60 | 120-277 | 124 | 7 607 | 138 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G0 | 138 | |
| | 3 | | 60 | 120-277 | 124 | 7 245 | 131 | >75 | >130 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 138 | |
| | 5 | | 60 | 120-277 | 124 | 8 062 | 145 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G1 | 138 | |
| 1 | 5 | | Diffuse glass | 21 | 120-277 | 113 | 2 648 | 123 | >75 | >300 000 | 10 000 | 0.99 | <20 | B1-U0-G0 | 60 |
| 2 | | | | 40 | 120-277 | 117 | 4 860 | 119 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 |
| 3 | | | | 50 | 347-480 | 100 | 5 694 | 115 | >75 | >170 000 | 10 000 | 0.96 | <20 | B2-U0-G1 | 138 |
| 4 | | 60 | | 120-277 | 124 | 6 483 | 117 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G1 | 138 | |
| 1 | | 21 | | 120-277 | 113 | 2 969 | 138 | >75 | >300 000 | 10 000 | 0.99 | <20 | B1-U0-G1 | 60 | |
| 2 | 5 | Diffuse polycarbonate | 40 | 120-277 | 117 | 5 547 | 135 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 | |
| 3 | | | 50 | 347-480 | 100 | 6 519 | 132 | >75 | >170 000 | 10 000 | 0.96 | <20 | B2-U0-G1 | 138 | |
| 4 | | | 60 | 120-277 | 124 | 7 406 | 134 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G1 | 138 | |
| 1 | | | 21 | 120-277 | 113 | 2 669 | 150 | >75 | >300 000 | 10 000 | 0.99 | <20 | B2-U0-G0 | 60 | |
| 1 | 2 | Clear glass | 21 | 120-277 | 113 | 3 269 | 150 | >75 | >300 000 | 10 000 | 0.99 | <20 | B2-U0-G0 | 60 | |
| | 3 | | 21 | 120-277 | 113 | 3 133 | 144 | >75 | >300 000 | 10 000 | 0.99 | <20 | B1-U0-G1 | 60 | |
| | 5 | | 21 | 120-277 | 113 | 3 398 | 156 | >75 | >300 000 | 10 000 | 0.99 | <20 | B2-U0-G0 | 60 | |
| 2 | 2 | | 40 | 120-277 | 117 | 5 937 | 145 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G0 | 108 | |
| | 3 | | 40 | 120-277 | 117 | 5 625 | 137 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 | |
| | 5 | | 40 | 120-277 | 117 | 6 246 | 152 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 | |
| 3 | 2 | | 50 | 347-480 | 100 | 6 972 | 141 | >75 | >170 000 | 10 000 | 0.99 | <20 | B3-U0-G0 | 138 | |
| | 3 | | 50 | 347-480 | 100 | 6 450 | 131 | >75 | >170 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 138 | |
| | 5 | | 50 | 347-480 | 100 | 7 292 | 148 | >75 | >170 000 | 10 000 | 0.96 | <20 | B3-U0-G1 | 138 | |
| 4 | 2 | | 60 | 120-277 | 124 | 7 990 | 144 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G0 | 138 | |
| | 3 | | 60 | 120-277 | 124 | 7 465 | 135 | >75 | >130 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 138 | |
| | 5 | | 60 | 120-277 | 124 | 8 383 | 151 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G1 | 138 | |
| 1 | 5 | | Diffuse glass | 21 | 120-277 | 113 | 2 761 | 127 | >75 | >300 000 | 10 000 | 0.99 | <20 | B1-U0-G0 | 60 |
| 2 | | | | 40 | 120-277 | 117 | 5 053 | 123 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 |
| 3 | | | | 50 | 347-480 | 100 | 5 880 | 119 | >75 | >170 000 | 10 000 | 0.96 | <20 | B2-U0-G1 | 138 |
| 4 | | 60 | | 120-277 | 124 | 6 766 | 122 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G1 | 138 | |
| 1 | | 21 | | 120-277 | 113 | 3 096 | 143 | >75 | >300 000 | 10 000 | 0.99 | <20 | B1-U0-G1 | 60 | |
| 2 | 5 | Diffuse polycarbonate | 40 | 120-277 | 117 | 5 770 | 140 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 | |
| 3 | | | 50 | 347-480 | 100 | 6 808 | 138 | >75 | >170 000 | 10 000 | 0.96 | <20 | B2-U0-G1 | 138 | |
| 4 | | | 60 | 120-277 | 124 | 7 700 | 139 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G1 | 138 | |
| 1 | | | 21 | 120-277 | 113 | 3 363 | 155 | >75 | >300 000 | 10 000 | 0.99 | <20 | B2-U0-G0 | 60 | |
| 1 | 2 | Clear glass | 21 | 120-277 | 113 | 3 363 | 155 | >75 | >300 000 | 10 000 | 0.99 | <20 | B2-U0-G0 | 60 | |
| | 3 | | 21 | 120-277 | 113 | 3 210 | 148 | >75 | >300 000 | 10 000 | 0.99 | <20 | B1-U0-G1 | 60 | |
| | 5 | | 21 | 120-277 | 113 | 4 220 | 162 | >75 | >300 000 | 10 000 | 0.99 | <20 | B2-U0-G0 | 60 | |
| 2 | 2 | | 40 | 120-277 | 117 | 6 162 | 153 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G0 | 108 | |
| | 3 | | 40 | 120-277 | 117 | 5 991 | 149 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 | |
| | 5 | | 40 | 120-277 | 117 | 6 499 | 160 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 | |
| 3 | 2 | | 50 | 347-480 | 100 | 6 948 | 146 | >75 | >170 000 | 10 000 | 0.99 | <20 | B3-U0-G0 | 138 | |
| | 3 | | 50 | 347-480 | 100 | 6 519 | 137 | >75 | >170 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 138 | |
| | 5 | | 50 | 347-480 | 100 | 7 179 | 151 | >75 | >170 000 | 10 000 | 0.96 | <20 | B3-U0-G1 | 138 | |
| 4 | 2 | | 60 | 120-277 | 124 | 8 112 | 147 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G0 | 138 | |
| | 3 | | 60 | 120-277 | 124 | 7 839 | 142 | >75 | >130 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 138 | |
| | 5 | | 60 | 120-277 | 124 | 8 514 | 154 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G1 | 138 | |
| 1 | 5 | | Diffuse glass | 21 | 120-277 | 113 | 2 761 | 127 | >75 | >300 000 | 10 000 | 0.99 | <20 | B1-U0-G0 | 60 |
| 2 | | | | 40 | 120-277 | 117 | 5 053 | 123 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 |
| 3 | | | | 50 | 347-480 | 100 | 5 880 | 119 | >75 | >170 000 | 10 000 | 0.96 | <20 | B2-U0-G1 | 138 |
| 4 | | 60 | | 120-277 | 124 | 6 766 | 122 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G1 | 138 | |
| 1 | | 21 | | 120-277 | 113 | 3 096 | 143 | >75 | >300 000 | 10 000 | 0.99 | <20 | B1-U0-G1 | 60 | |
| 2 | 5 | Diffuse polycarbonate | 40 | 120-277 | 117 | 5 770 | 140 | >75 | >230 000 | 10 000 | 0.99 | <20 | B2-U0-G1 | 108 | |
| 3 | | | 50 | 347-480 | 100 | 6 808 | 138 | >75 | >170 000 | 10 000 | 0.96 | <20 | B2-U0-G1 | 138 | |
| 4 | | | 60 | 120-277 | 124 | 7 700 | 139 | >75 | >130 000 | 10 000 | 0.99 | <20 | B3-U0-G1 | 138 | |
| 1 | | | 21 | 120-277 | 113 | 3 363 | 155 | >75 | >300 000 | 10 000 | 0.99 | <20 | B2-U0-G0 | 60 | |

PHOTOMETRIC DATA¹

CXM12XX40KGYTG • 3 245.1 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 1 150.8 | 35.5% |
| 0-40 | 1 894.7 | 58.4% |
| 0-60 | 2 969.2 | 91.5% |
| 60-90 | 275.9 | 8.5% |
| 70-100 | 63.3 | 1.9% |
| 90-120 | 0.0 | 0% |
| 0-90 | 3 245.1 | 100% |
| 90-180 | 0.0 | 0% |
| 0-180 | 3 245.1 | 100% |

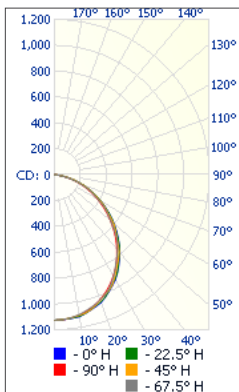
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|---------------|
| | Vertical | Horizontal |
| 17.0' | 4.65 | 23.7' 36.6' |
| 34.0' | 1.16 | 47.4' 73.3' |
| 51.0' | 0.52 | 71.0' 109.9' |
| 68.0' | 0.29 | 94.7' 146.6' |
| 85.0' | 0.19 | 118.4' 183.2' |
| 102.0' | 0.13 | 142.1' 219.9' |

■ Vert. spread: 69.7°
■ Horiz. spread: 94.3°

CXM13XX40KGYTG • 3 065.7 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 649.9 | 21.2% |
| 0-40 | 1 171.5 | 38.2% |
| 0-60 | 2 524.4 | 82.3% |
| 60-90 | 541.3 | 17.7% |
| 70-100 | 122.7 | 4% |
| 90-120 | 0.0 | 0% |
| 0-90 | 3 065.7 | 100% |
| 90-180 | 0.0 | 0% |
| 0-180 | 3 065.7 | 100% |

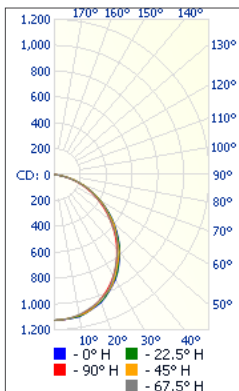
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|---------------|
| | Vertical | Horizontal |
| 17.0' | 2.65 | 36.0' 54.6' |
| 34.0' | 0.66 | 72.0' 109.2' |
| 51.0' | 0.29 | 108.0' 163.8' |
| 68.0' | 0.17 | 144.0' 218.4' |
| 85.0' | 0.11 | 180.0' 273.0' |
| 102.0' | 0.07 | 216.0' 327.5' |

■ Vert. spread: 93.3°
■ Horiz. spread: 116.2°

CXM15XX40KGYFG • 2 872.7 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 868.0 | 30.2% |
| 0-40 | 1 400.5 | 48.8% |
| 0-60 | 2 377.1 | 82.7% |
| 60-90 | 495.7 | 17.3% |
| 0-90 | 2 872.7 | 100% |

Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|---------------|
| | Vertical | Horizontal |
| 17.0' | 3.91 | 44.0' 41.2' |
| 34.0' | 0.98 | 88.0' 82.5' |
| 51.0' | 0.43 | 132.0' 123.7' |
| 68.0' | 0.24 | 176.0' 165.0' |
| 85.0' | 0.16 | 220.0' 206.2' |
| 102.0' | 0.11 | 264.0' 247.5' |

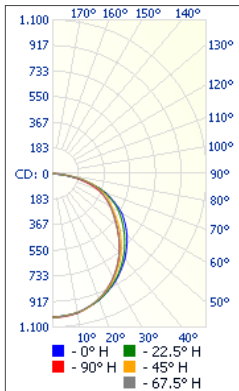
■ Vert. spread: 104.6°
■ Horiz. spread: 101.0°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

CXM15XX40KGYFP • 3 178.7 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 803.1 | 25.3% |
| 0-40 | 1 318.0 | 41.5% |
| 0-60 | 2 370.9 | 74.6% |
| 60-90 | 807.8 | 25.4% |
| 0-90 | 3 178.7 | 100% |

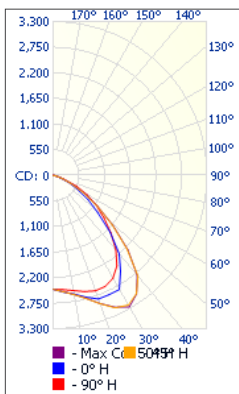
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|---------------|
| | Vertical | Horizontal |
| 17.0' | 3.57 | 67.1' 51.8' |
| 34.0' | 0.89 | 134.2' 103.6' |
| 51.0' | 0.40 | 201.3' 155.4' |
| 68.0' | 0.22 | 268.4' 207.2' |
| 85.0' | 0.14 | 335.5' 259.0' |
| 102.0' | 0.10 | 402.6' 310.8' |

■ Vert. spread: 126.3°
■ Horiz. spread: 113.4°

CXM22XX40KGYTG • 5 984.4 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 2 085.3 | 34.8% |
| 0-40 | 3 450.9 | 57.7% |
| 0-60 | 5 477.6 | 91.5% |
| 60-90 | 506.7 | 8.5% |
| 70-100 | 113.6 | 1.9% |
| 90-120 | 0.0 | 0% |
| 0-90 | 5 984.3 | 100% |
| 90-180 | 0.0 | 0% |
| 0-180 | 5 984.4 | 100% |

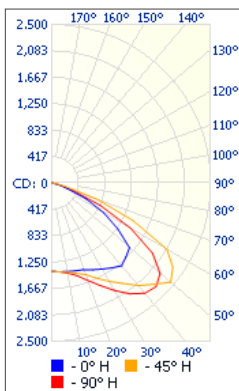
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|---------------|
| | Vertical | Horizontal |
| 17.0' | 8.51 | 23.0' 35.6' |
| 34.0' | 2.13 | 45.9' 71.2' |
| 51.0' | 0.95 | 68.9' 106.9' |
| 68.0' | 0.53 | 91.8' 142.5' |
| 85.0' | 0.34 | 114.8' 178.1' |
| 102.0' | 0.24 | 137.8' 213.7' |

■ Vert. spread: 68.1°
■ Horiz. spread: 92.7°

CXM23XX40KGYTG • 5 741.7 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 1 245.4 | 21.7% |
| 0-40 | 2 273.0 | 39.6% |
| 0-60 | 4 801.7 | 83.6% |
| 60-90 | 939.9 | 16.4% |
| 70-100 | 209.9 | 3.7% |
| 90-120 | 0.0 | 0% |
| 0-90 | 5 741.7 | 100% |
| 90-180 | 0.0 | 0% |
| 0-180 | 5 741.7 | 100% |

Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|---------------|
| | Vertical | Horizontal |
| 17.0' | 4.86 | 32.7' 49.3' |
| 34.0' | 1.21 | 65.4' 98.6' |
| 51.0' | 0.54 | 98.1' 147.9' |
| 68.0' | 0.30 | 130.8' 197.3' |
| 85.0' | 0.19 | 163.5' 246.6' |
| 102.0' | 0.13 | 196.2' 295.9' |

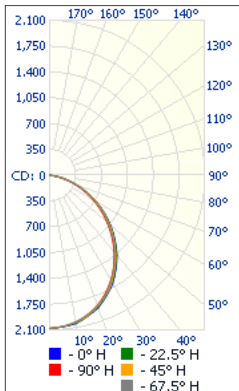
■ Vert. spread: 87.8°
■ Horiz. spread: 110.8°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

CXM25XX40KGYFG • 5 126.5 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 1 582.0 | 30.9% |
| 0-40 | 2 544.0 | 49.6% |
| 0-60 | 4 285.9 | 83.6% |
| 60-90 | 840.6 | 16.4% |
| 0-90 | 5 126.5 | 100% |

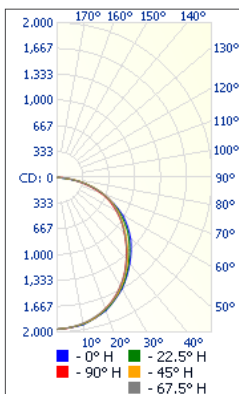
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|---------------|
| | Vertical | Horizontal |
| 17.0' | 7.22 | 42.3' 39.8' |
| 34.0' | 1.81 | 84.6' 79.5' |
| 51.0' | 0.80 | 127.0' 119.3' |
| 68.0' | 0.45 | 169.3' 159.1' |
| 85.0' | 0.29 | 211.6' 198.8' |
| 102.0' | 0.20 | 253.9' 238.6' |

■ Vert. spread: 102.4°
■ Horiz. spread: 98.9°

CXM25XX40KGYFP • 5 808.8 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 1 521.2 | 26.2% |
| 0-40 | 2 484.6 | 42.8% |
| 0-60 | 4 428.5 | 76.2% |
| 60-90 | 1 380.3 | 23.8% |
| 0-90 | 5 808.8 | 100% |

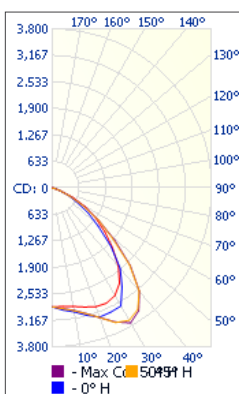
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|---------------|
| | Vertical | Horizontal |
| 17.0' | 6.82 | 58.5' 51.0' |
| 34.0' | 1.70 | 117.0' 102.0' |
| 51.0' | 0.76 | 175.5' 152.9' |
| 68.0' | 0.43 | 234.0' 203.9' |
| 85.0' | 0.27 | 292.6' 254.9' |
| 102.0' | 0.19 | 351.1' 305.9' |

■ Vert. spread: 119.7°
■ Horiz. spread: 112.6°

CXM32XX40KGYTG • 6 888.4 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 2 404.5 | 34.9% |
| 0-40 | 3 987.4 | 57.9% |
| 0-60 | 6 335.6 | 92% |
| 60-90 | 552.8 | 8% |
| 70-100 | 119.6 | 1.7% |
| 90-120 | 0.0 | 0% |
| 0-90 | 6 888.4 | 100% |
| 90-180 | 0.0 | 0% |
| 0-180 | 6 888.4 | 100% |

Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|---------------|
| | Vertical | Horizontal |
| 17.0' | 9.88 | 23.3' 35.4' |
| 34.0' | 2.47 | 46.7' 72.7' |
| 51.0' | 1.10 | 70.0' 109.1' |
| 68.0' | 0.62 | 93.4' 145.4' |
| 85.0' | 0.40 | 116.7' 181.8' |
| 102.0' | 0.27 | 140.1' 218.1' |

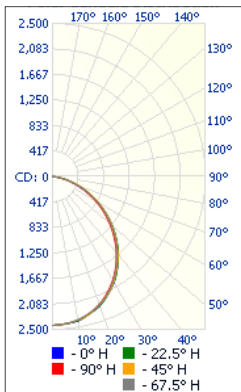
■ Vert. spread: 68.9°
■ Horiz. spread: 93.8°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

CXM33XX40KGYTG • 6 310.6 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 1 375.6 | 21.8% |
| 0-40 | 2 466.4 | 39.1% |
| 0-60 | 5 243.8 | 83.1% |
| 60-90 | 1 066.8 | 16.9% |
| 70-100 | 237.1 | 3.8% |
| 90-120 | 0.0 | 0% |
| 0-90 | 6 310.6 | 100% |
| 90-180 | 0.0 | 0% |
| 0-180 | 6 310.6 | 100% |

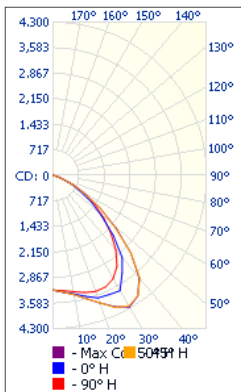
Illuminance at a distance

| | Center beam fc | Beam width | |
|--------|----------------|------------|--------|
| 17.0' | 5.66 | 33.1' | 50.6' |
| 34.0' | 1.41 | 1.41' | 101.2' |
| 51.0' | 0.63 | 0.63' | 151.8' |
| 68.0' | 0.35 | 0.35' | 202.4' |
| 85.0' | 0.23 | 0.23' | 253.0' |
| 102.0' | 0.16 | 0.16' | 303.6' |

■ Vert. spread: 88.4°
■ Horiz. spread: 112.2°

CXM35XX40KGYFG • 6 119.9 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 1 868.7 | 30.5% |
| 0-40 | 3 014.2 | 49.3% |
| 0-60 | 5 101.5 | 83.4% |
| 60-90 | 1 018.4 | 16.6% |
| 0-90 | 6 119.9 | 100% |

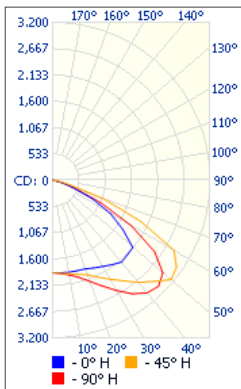
Illuminance at a distance

| | Center beam fc | Beam width | |
|--------|----------------|------------|--------|
| 17.0' | 8.45 | 42.8' | 40.9' |
| 34.0' | 2.11 | 85.7' | 81.7' |
| 51.0' | 0.94 | 128.5' | 122.6' |
| 68.0' | 0.53 | 171.4' | 163.4' |
| 85.0' | 0.34 | 214.2' | 204.3' |
| 102.0' | 0.23 | 257.0' | 25.1' |

■ Vert. spread: 103.1°
■ Horiz. spread: 100.5°

CXM35XX40KGYFP • 7 002.0 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 1 811.8 | 25.9% |
| 0-40 | 2 968.5 | 42.4% |
| 0-60 | 5 323.2 | 76% |
| 60-90 | 1 678.8 | 24% |
| 0-90 | 7 002.0 | 100% |

Illuminance at a distance

| | Center beam fc | Beam width | |
|--------|----------------|------------|--------|
| 17.0' | 8.04 | 59.2' | 53.5' |
| 34.0' | 2.01 | 118.4' | 107.0' |
| 51.0' | 0.89 | 177.7' | 160.5' |
| 68.0' | 0.50 | 236.9' | 214.0' |
| 85.0' | 0.32 | 296.1' | 267.6' |
| 102.0' | 0.22 | 355.3' | 321.1' |

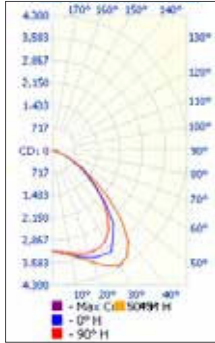
■ Vert. spread: 120.3°
■ Horiz. spread: 115.1°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

CXM42XX40KGYTG • 7 964.0 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 2 739.3 | 34.4% |
| 0-40 | 4 554.2 | 57.2% |
| 0-60 | 7 294.8 | 91.6% |
| 60-90 | 669.1 | 8.4% |
| 70-100 | 150.9 | 1.9% |
| 90-120 | 0.0 | 0% |
| 0-90 | 7 964.0 | 100% |
| 90-180 | 0.0 | 0% |
| 0-180 | 7 964.0 | 100% |

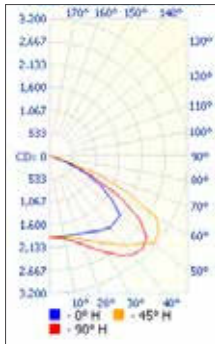
Illuminance at a distance

| Center beam fc | Beam width |
|----------------|---------------|
| 17.0' | 23.7' 36.2' |
| 34.0' | 47.5' 72.5' |
| 51.0' | 71.2' 108.7' |
| 68.0' | 95.0' 145.0' |
| 85.0' | 118.7' 181.2' |
| 102.0' | 142.4' 217.5' |

Vert. spread: 69.8°
Horiz. spread: 93.7°

CXM43XX40KGYTG • 7 637.1 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 1 661.0 | 21.7% |
| 0-40 | 3 010.8 | 39.4% |
| 0-60 | 6 356.2 | 83.2% |
| 60-90 | 1 280.8 | 16.8% |
| 70-100 | 294.5 | 3.9% |
| 90-120 | 0.0 | 0% |
| 0-90 | 7 637.0 | 100% |
| 90-180 | 0.0 | 0% |
| 0-180 | 7 637.1 | 100% |

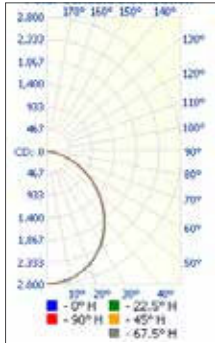
Illuminance at a distance

| Center beam fc | Beam width |
|----------------|---------------|
| 17.0' | 35.0' 49.4' |
| 34.0' | 69.9' 98.7' |
| 51.0' | 104.9' 148.1' |
| 68.0' | 139.8' 197.5' |
| 85.0' | 174.8' 246.8' |
| 102.0' | 209.7' 296.8' |

Vert. spread: 91.6°
Horiz. spread: 110.9°

CXM45XX40KGYFG • 6 810.2 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 2 116.7 | 31.1% |
| 0-40 | 3 403.3 | 50% |
| 0-60 | 5 724.6 | 84.1% |
| 60-90 | 1 085.6 | 15.9% |
| 0-90 | 6 810.2 | 100% |

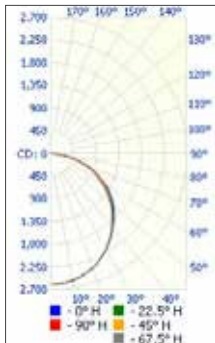
Illuminance at a distance

| Center beam fc | Beam width |
|----------------|---------------|
| 17.0' | 41.5' 40.3' |
| 34.0' | 83.0' 80.6' |
| 51.0' | 124.4' 121.0' |
| 68.0' | 165.9' 161.3' |
| 85.0' | 207.4' 201.6' |
| 102.0' | 248.9' 241.9' |

Vert. spread: 101.3°
Horiz. spread: 99.7°

CXM45XX40KGYFP • 7 700.3 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 2 023.4 | 26.3% |
| 0-40 | 3 309.0 | 43% |
| 0-60 | 5 906.3 | 76.7% |
| 60-90 | 1 794.0 | 23.3% |
| 0-90 | 7 700.3 | 100% |

Illuminance at a distance

| Center beam fc | Beam width |
|----------------|---------------|
| 17.0' | 56.7' 51.5' |
| 34.0' | 113.4' 103.0' |
| 51.0' | 170.1' 154.5' |
| 68.0' | 226.7' 206.0' |
| 85.0' | 283.4' 257.5' |
| 102.0' | 340.1' 309.0' |

Vert. spread: 118.1°
Horiz. spread: 113.1°

¹ Complete IES files available on our website.

CDF-L

HAZARDOUS LOCATION FLOOD LUMINAIRE

Class I, Division 1, Groups C, D
 Class I, Division 2, Groups A, B, C, D
 Class II, Division 2, Groups F, G
 Class III

Non recessed Marine luminaires, outside type (salt water)

The CDF-L Hazardous Location LED flood luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or in NEMA 3 and 4X locations where wind, water, snow or high ambient can be expected. The CDF-L is also NEC/CEC certified to be used in hazardous environments where there is presence of flammable vapours or gases and combustible dusts.

FEATURES AND SPECIFICATIONS

• Construction

Housing

Rugged and resilient housing made of a copper-free aluminum, corrosion resistant casting, with separated driver compartment for improved thermal management. All exposed fasteners are quality stainless steel as well as high temperature quality silicone gasketing. Available in a grey casting color and a superior electrostatic powder coating.

Temperature ratings

Based on the surface temperature of the fixture:

- Class I, Division 2, Class II, Division 2 & Class III are rated T4A (will not exceed 120°C)
- Class I, Division 1 is rated T6 (will not exceed 85°C)

Ambient operating temperature

-40°C to +60°C

Ambient operating humidity

5% ~ 95% RH

Mounting options

The CDF-L series comes standard with a pendant mount however in option pole, ceiling and wall mounting are available.

Optics

Comes standard with a thermally shock and impact resistant tempered glass lens and is available in a clear finish with a 120° beam angle. A diffuse lens finish and a 25° and a 60° beam angles are also available in option.

• Electrical

Available in either S1 (80 W), S2 (100 W) or S3 (150 W) packages with a lumen per watt ratio of 95 to 130 lm/W. Driver allows input voltage from 120-277 V 50/60 Hz or 347-480 V 50/60 Hz. All drivers are non-dimmable and have 4 kV integrated transient surge protection with a power factor >0.95.

Durable high powered OSRAM LEDs with solder-less board connections for shock and vibration resistance. The CDF-L is offered in either 3 000, 4 000 or 5 000 K color temperatures with a color rendering index (CRI) >70.

• NEC/CEC Standards

NEC500/CEC Section 18: Existing plants

- Hazloc A :
 - Class I, Division 1, Groups C, D
 - Class III
- Hazloc D :
 - Class I, Division 2, Groups A, B, C, D
 - Class II, Division 2, Groups F, G
 - Class III

NEC505/CEC Section 18 Zones: New plants

- Hazloc A :
 - Class I, Zone 1, Group IIB
 - Class I, Zone 2, Group IIC
 - Zone 22
- Hazloc D :
 - Class I, Zone 2, Group IIC
 - Zone 22

• Compliances

- Meets requirements of ICES-005 issue 4 for class A products
- 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
- IP66
- IK08
- UL 1598A
- UL 1598
- UL 8750
- CSA C22.2 No.137
- CSA C22.2 No.30-M1986
- CSA C22.2 No.25-1966
- CSA C22.2 No.250.0
- CSA C22.2 No.250.13



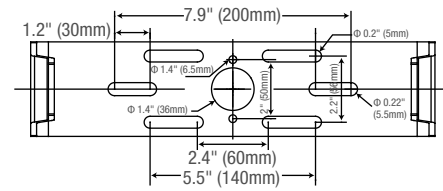
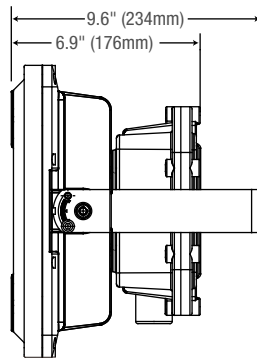
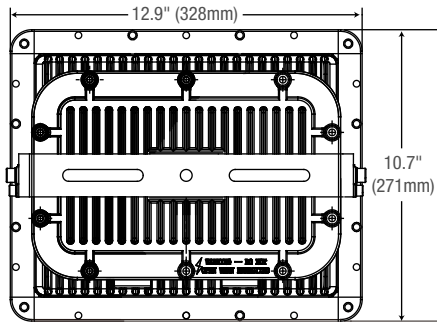
OVERVIEW

| | |
|-----------------------|---------------------|
| Light source | LED |
| Watts (W) | 80 - 150 |
| Lumen output (lm) | 7 862 - 19 500 |
| Efficacy (lm/W) | 95 - 130 |
| Color temperature (K) | 3 000, 4 000, 5 000 |
| CRI | 70 |
| Weight (lbs) | 33.5 - 34.2 |



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

DIMENSIONS



MOUNTING

PENDANT (standard)



ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

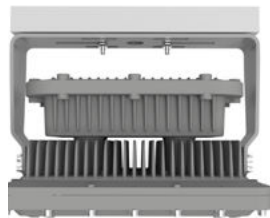
POLE MOUNT

BKT761-FL + BKT763



CEILING MOUNT

BKT761-FL



WALL MOUNT

BKT761-FL



QUICK SHIP AND TECHNICAL SPECIFICATION TABLE

| Part number | DLC unique ID | Watts (W) | Color temp. (K) ² | Lumen output (lm) ³ | Efficacy (lm/W) | CRI | Life L70 (hrs) ⁴ | Tested hours LM-80 (hrs) ⁴ | LED current (mA) | Power factor | THD (%) | BUG | Beam angle (°) | Case qty (master) |
|--------------------|---------------|-----------|------------------------------|--------------------------------|-----------------|-----|-----------------------------|---------------------------------------|------------------|--------------|---------|----------|----------------|-------------------|
| 120-277 V | | | | | | | | | | | | | | |
| CDF-LS1-W-D/4K120T | - | 80 | 4 000 | 10 059 | 126 | 70 | >60 000 | 10 000 | 525 | 0.99 | 17 | B4-U0-G1 | 120 | 1 |
| CDF-LS2-W-D/4K120T | - | 100 | 4 000 | 12 339 | 123 | 70 | >60 000 | 10 000 | 525 | 0.99 | 15 | B4-U0-G1 | 120 | 1 |
| CDF-LS3-W-D/4K120T | - | 150 | 4 000 | 18 122 | 121 | 70 | >60 000 | 10 000 | 480 | 1.00 | 12 | B4-U0-G1 | 120 | 1 |
| CDF-LS1-W-D/5K120T | PL4BXFYSZ3V7 | 80 | 5 000 | 10 400 | 130 | 70 | >60 000 | 10 000 | 525 | 0.99 | 17 | B4-U0-G1 | 120 | 1 |
| CDF-LS2-W-D/5K120T | PLLYWND1YSFE | 100 | 5 000 | 13 000 | 130 | 70 | >60 000 | 10 000 | 525 | 0.99 | 15 | B4-U0-G1 | 120 | 1 |
| CDF-LS3-W-D/5K120T | PLL4DFZFZ868 | 150 | 5 000 | 19 500 | 130 | 70 | >60 000 | 10 000 | 480 | 1.00 | 12 | B4-U0-G1 | 120 | 1 |
| 347-480 V | | | | | | | | | | | | | | |
| CDF-LS1-H-D/4K120T | - | 80 | 4 000 | 9 979 | 125 | 70 | >60 000 | 10 000 | 525 | 0.90 | 10 | B4-U0-G1 | 120 | 1 |
| CDF-LS2-H-D/4K120T | - | 100 | 4 000 | 11 758 | 118 | 70 | >60 000 | 10 000 | 525 | 0.94 | 8 | B4-U0-G1 | 120 | 1 |
| CDF-LS3-H-D/4K120T | - | 150 | 4 000 | 17 718 | 118 | 70 | >60 000 | 10 000 | 480 | 0.93 | 11 | B4-U0-G1 | 120 | 1 |
| CDF-LS1-H-D/5K120T | PLHLSH31B1KQ | 80 | 5 000 | 10 400 | 130 | 70 | >60 000 | 10 000 | 525 | 0.90 | 10 | B4-U0-G1 | 120 | 1 |
| CDF-LS2-H-D/5K120T | PLIUN056Y7F6 | 100 | 5 000 | 13 000 | 130 | 70 | >60 000 | 10 000 | 525 | 0.94 | 8 | B4-U0-G1 | 120 | 1 |
| CDF-LS3-H-D/5K120T | PLYNB41BYCUT | 150 | 5 000 | 19 500 | 130 | 70 | >60 000 | 10 000 | 480 | 0.93 | 11 | B4-U0-G1 | 120 | 1 |

¹ **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

² Typical color temperature range: +/- 5 %.

³ Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

⁴ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

ORDERING GUIDE

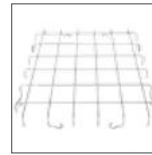
| Series | Lamp type | Lumen package | Volts (V) | Hazloc | Color temp. (K) | Beam angle (°) | Lens option |
|--------|-----------|---|----------------------------|---|--|---------------------------------|--|
| CDF | L - LED | S1 - Refer to lumen S2 - chart table S3 - for details | W - 120-277 H - 347-480 | A - Class I Division 1 Class III D - Class I Division 2 Class II Division 2 Class III | 3K - 3 000 4K - 4 000 5K - 5 000 | 25 - 25 60 - 60 120 - 120 | D - Diffuse tempered glass T - Transparent tempered glass |

ACCESSORIES (order separately)

| Part number | Type |
|-------------|----------------------------------|
| BKT763 | Pole type stanchion NPT 2-3/8" |
| WGD068 | Stainless steel wireguard |
| HAR1042 | Stainless steel safety cable kit |
| BKT761-FL | U bracket |



BKT763
Pole type stanchion



WGD068
Stainless steel wireguard



HAR1042
Stainless steel safety cable kit



BKT761-FL
U bracket

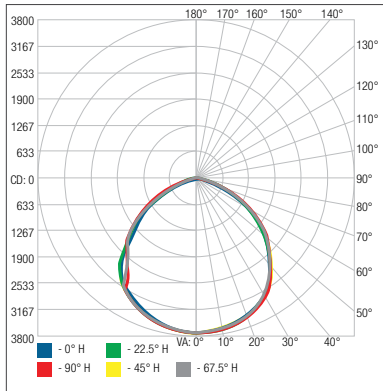
TECHNICAL SPECIFICATION TABLE

| Lumen package | Volts (V) | Transparent Lens | | Diffused Lens | | | | | | CRI | Life L70 (hrs) | Tested hours LM-80 (hrs) | Power factor | THD (%) |
|---------------|-----------|------------------|-----------------|---------------|-----------------|------------|-----------------|------------|-----------------|-----|----------------|--------------------------|--------------|---------|
| | | 3000 K | | 3000 K | | 4 000 K | | 5 000 K | | | | | | |
| | | Lumen (lm) | Efficacy (lm/W) | Lumen (lm) | Efficacy (lm/W) | Lumen (lm) | Efficacy (lm/W) | Lumen (lm) | Efficacy (lm/W) | | | | | |
| S1 | 120-277 | 9787 | 122 | 7862 | 98 | 7910 | 99 | 8280 | 104 | 70 | >60 000 | 10 000 | 0.99 | 17 |
| | 347-480 | 9787 | 122 | 7862 | 98 | 7910 | 99 | 8280 | 104 | 70 | >60 000 | 10 000 | 0.90 | 10 |
| S2 | 120-277 | 11 757 | 118 | 9508 | 95 | 9596 | 96 | 10 014 | 100 | 70 | >60 000 | 10 000 | 0.99 | 15 |
| | 347-480 | 11 757 | 118 | 9508 | 95 | 9596 | 96 | 10 014 | 100 | 70 | >60 000 | 10 000 | 0.94 | 8 |
| S3 | 120-277 | 18 179 | 121 | 14 661 | 98 | 14 829 | 99 | 14 892 | 99 | 70 | >60 000 | 10 000 | 0.99 | 12 |
| | 347-480 | 18 179 | 121 | 14 661 | 98 | 14 829 | 99 | 14 892 | 99 | 70 | >60 000 | 10 000 | 0.93 | 11 |

PHOTOMETRIC DATA¹

CDF-LS1-W-D/4K120T • 10 059 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 2 944.5 | 30.3% |
| 0-40 | 4 847.5 | 49.8% |
| 0-60 | 8 308.2 | 85.4% |
| 60-90 | 1 420.3 | 14.6% |
| 0-90 | 9 728.5 | 100% |

Illuminance at a distance

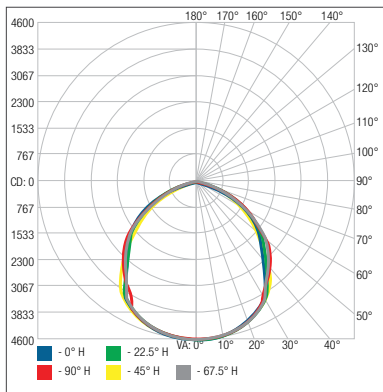
| Center beam fc | Beam width |
|----------------|------------|
| 1.7' | 1 286 fc |
| 3.3' | 341 fc |
| 5.0' | 149 fc |
| 6.7' | 82.8 fc |
| 8.3' | 54.0 fc |
| 10.0' | 37.2 fc |

| Beam width | Beam width |
|------------|------------|
| 4.4' | 4.9' |
| 8.6' | 9.5' |
| 13.0' | 14.4' |
| 17.4' | 19.3' |
| 21.6' | 23.9' |
| 26.0' | 28.8' |

■ Vert. spread: 104.8°
■ Horiz. spread: 110.4°

CDF-LS2-W-D/4K120T • 12 339 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|----------|-----------|
| 0-30 | 3 628.6 | 30.8% |
| 0-40 | 5 895.4 | 50.1% |
| 0-60 | 10 016.5 | 85.1% |
| 60-90 | 1 753.7 | 14.9% |
| 0-90 | 11 770.2 | 100% |

Illuminance at a distance

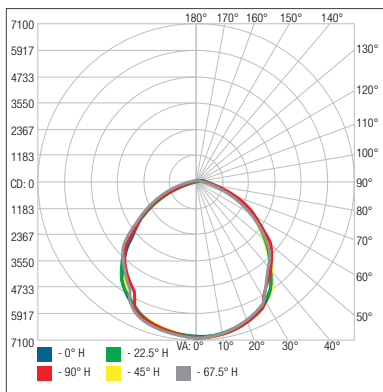
| Center beam fc | Beam width |
|----------------|------------|
| 1.7' | 1 591 fc |
| 3.3' | 422 fc |
| 5.0' | 184 fc |
| 6.7' | 102 fc |
| 8.3' | 66.7 fc |
| 10.0' | 46.0 fc |

| Beam width | Beam width |
|------------|------------|
| 4.4' | 4.5' |
| 8.6' | 8.8' |
| 13.1' | 13.4' |
| 17.5' | 17.9' |
| 21.7' | 22.2' |
| 26.2' | 26.7' |

■ Vert. spread: 105.2°
■ Horiz. spread: 106.4°

CDF-LS3-W-D/4K120T • 18 122 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|----------|-----------|
| 0-30 | 5 560.2 | 30.3% |
| 0-40 | 9 080.5 | 49.4% |
| 0-60 | 15 598.5 | 84.9% |
| 60-90 | 2 772.8 | 15.1% |
| 0-90 | 18 371.4 | 100% |

Illuminance at a distance

| Center beam fc | Beam width |
|----------------|------------|
| 1.7' | 2 436 fc |
| 3.3' | 647 fc |
| 5.0' | 282 fc |
| 6.7' | 157 fc |
| 8.3' | 102 fc |
| 10.0' | 70.4 fc |

| Beam width | Beam width |
|------------|------------|
| 4.7' | 4.6' |
| 9.1' | 8.9' |
| 13.8' | 13.4' |
| 18.5' | 18.0' |
| 22.9' | 22.3' |
| 27.6' | 26.9' |

■ Vert. spread: 108.1°
■ Horiz. spread: 106.7°

¹ Complete IES files available on our website.

CDL-L

HAZARDOUS LOCATION LED LINEAR LUMINAIRE

Class I, Division 2, Groups A, B, C, D

Class II, Division 1, Groups E, F, G

Class III

Non recessed Marine luminaires, outside type (salt water)

The CDL-L Hazardous Location LED linear luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present. The CDL-L is also NEC/CEC certified to be used in hazardous environments where there is presence of flammable vapors or gases.

FEATURES AND SPECIFICATIONS

• Construction

Housing

Rugged and resilient housing made of a copper-free aluminum, corrosion resistant casting, with separated driver compartment for improved thermal management. All exposed fasteners are quality stainless steel as well as high temperature quality silicone gasketing. Available in a grey casting color and a superior electrostatic powder coating.

Temperature ratings

Based on the surface temperature of the fixture;

- Class I, Division 2 is rated T3C (will not exceed 160°C)
- Class II, Division 1 & Class III are rated T4A (will not exceed 120°C)

Ambient operating temperature

-40°C to +50°C

Ambient operating humidity

5% ~ 95% RH

Optics

Comes standard with a thermal shock and impact resistant polycarbonate lens and is available in a clear finish with a 110° beam angle. A diffuse finish is also available in option.

• Electrical

Available in either A1 (40 W) or A2 (80 W) configurations with a lumen per watt ratio of 120 to 152 lm/W. Driver input voltage is 120-277 V 50/60 Hz, or 347-480 V 50/60 Hz. All drivers are non-dimmable and have 4 kV integrated transient surge protection with a power factor >0.95. Durable high LUXEON LEDs with solder-less board connections for shock and vibration resistance. The CDL-L is offered in either 3 000, 4 000 and 5 000 K, with a color rendering index (CRI) >70.

• NEC/CEC Standards

NEC500/CEC Section 18: Existing plants
Hazloc C

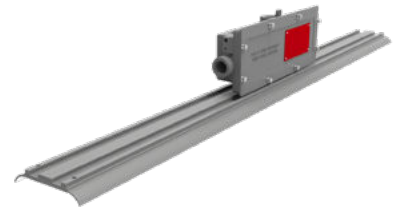
- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups E, F, G
- Class III

NEC505/CEC Section 18 Zones: New plants
Hazloc C

- Class I, Zone 2, Group IIC
- Zone 21

• Compliances

- Meets requirements of ICES-005 issue 4 for class A products
- 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
- IP66
- IK08
- UL1598A
- UL1598
- UL8750
- CSA C22.2 No.137
- CSA C22.2 No.250, No.250.13



OVERVIEW

| | |
|-----------------------|---------------------|
| Light source | LED |
| Watts (W) | 40 - 80 |
| Lumen output (lm) | 4 850 - 12 231 |
| Efficacy (lm/W) | 120 - 153 |
| Color temperature (K) | 3 000, 4 000, 5 000 |
| CRI | >70 |



quick
ship



LED
fixture



ICES
005



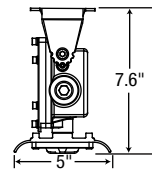
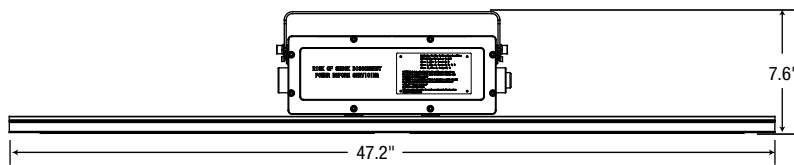
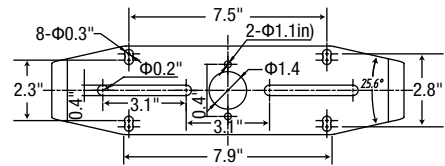
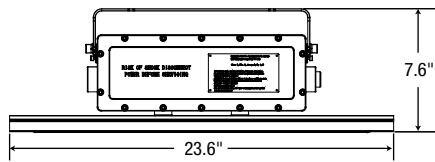
IK08



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

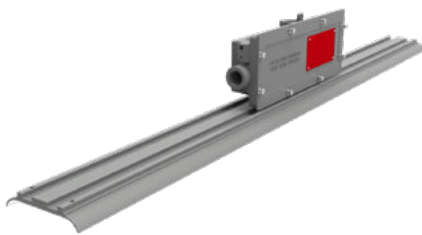
DIMENSIONS

| Part # | Net weight (lbs) | Dimensions (LxWxH) |
|---------|------------------|--------------------|
| CDL-LS1 | 12.1 | 23.6 x 5 x 7.6" |
| CDL-LS2 | 16.7 | 47.2 x 5 x 7.6" |



MOUNTING

PENDANT (STANDARD)



ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

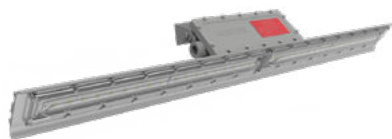
CEILING MOUNT

BKT761-LN



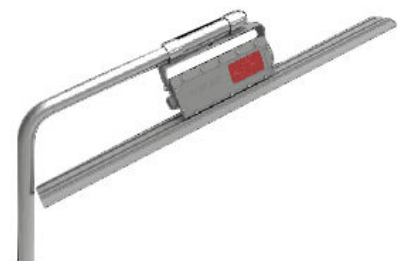
WALL MOUNT

BKT761-LN



POLE MOUNT

BKT775 + BKT761-LN



QUICK SHIP AND TECHNICAL SPECIFICATION TABLE

| Part number | DLC unique ID | Watts (W) | Color temp. (K) ² | Lumen output (lm) ³ | Efficacy (lm/W) | CRI | Life L70 (hrs) ⁴ | Tested hours LM-80 (hrs) ⁴ | LED current (mA) | Power factor | THD (%) | B.U.G. rating | Beam angle (°) | Case qty (master) |
|-------------------|---------------|-----------|------------------------------|--------------------------------|-----------------|-----|-----------------------------|---------------------------------------|------------------|--------------|---------|---------------|----------------|-------------------|
| 120-277 V | | | | | | | | | | | | | | |
| CDL-LS1-W-C/40K-T | N/A | 40 | 4 000 | 6 041 | 151 | 70 | >54 000 | 9 000 | 84 | 1.00 | 16 | B4-U0-G1 | 110 | 1 |
| CDL-LS2-W-C/40K-T | N/A | 80 | 4 000 | 12 231 | 153 | 70 | >54 000 | 9 000 | 84 | 0.99 | 9 | B4-U0-G1 | 110 | 1 |
| CDL-LS1-W-C/50K-T | PLSH9Y90XVPQ | 40 | 5 000 | 5 480 | 135 | 70 | >54 000 | 9 000 | 84 | 1.00 | 16 | B4-U0-G1 | 110 | 1 |
| CDL-LS2-W-C/50K-T | PLZZSEDSND5V | 80 | 5 000 | 10 960 | 137 | 70 | >54 000 | 9 000 | 84 | 0.99 | 9 | B4-U0-G1 | 110 | 1 |
| 347-480 V | | | | | | | | | | | | | | |
| CDL-LS1-H-C/40K-T | N/A | 40 | 4 000 | 5 984 | 150 | 70 | >54 000 | 9 000 | 84 | 0.89 | 16 | B4-U0-G1 | 110 | 1 |
| CDL-LS2-H-C/40K-T | N/A | 80 | 4 000 | 11 761 | 147 | 70 | >54 000 | 9 000 | 84 | 0.89 | 9 | B4-U0-G1 | 110 | 1 |
| CDL-LS1-H-C/50K-T | PLVCFPEVVADM | 40 | 5 000 | 5 480 | 132 | 70 | >54 000 | 9 000 | 84 | 0.89 | 16 | B4-U0-G1 | 110 | 1 |
| CDL-LS2-H-C/50K-T | PLUJ84YPCZY | 80 | 5 000 | 10 960 | 137 | 70 | >54 000 | 9 000 | 84 | 0.89 | 9 | B4-U0-G1 | 110 | 1 |

¹ **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

² Typical color temperature range: +/- 5 %.

³ Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

⁴ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

ORDERING GUIDE

| Series | Lamp type | Lumen package ¹ | Volts (V) | Hazloc | Color temp. (K) | Lens option |
|--------|-----------|---|----------------------------|---|---|--|
| CDL | L - LED | S1 - Refer to the S2 - technical specifications table for details | W - 120-277 H - 347-480 | C - Class I Division 2, Class II Division 1 Class III | 30K - 3 000 40K - 4 000 50K - 5 000 | D - Diffuse polycarbonate lens T - Transparent polycarbonate lens |

¹ S1-40 W is a 2 ft fixture; S2-80 W is a 4 ft fixture.

ACCESSORIES (order separately)

| Part number | Type |
|-------------|---|
| HAR1055 | Stainless steel safety cable kit |
| BKT775 | Stanchion mount pipe clamp ¹ |
| BKT761-LN | U-bracket |

¹ Include 2 pipes per box.



BKT775
Stanchion mount pipe clamp



BKT761-LN
U-bracket



HAR1055
Stainless steel safety cable kit

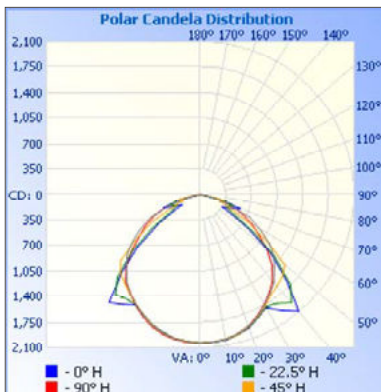
TECHNICAL SPECIFICATION TABLE

| Lumen package | Lens type | Volts (V AC) | LED current (mA) | # of LEDs | Watts (W) | CRI | Lumens output (lm) | Efficacy (lm/w) | Life L70 (hrs) | Tested hours LM-80 (hrs) | Power factor | THD (%) | B.U.G. Rating |
|----------------|-------------|--------------|------------------|-----------|-----------|-----|--------------------|-----------------|----------------|--------------------------|--------------|---------|---------------|
| 3 000 K | | | | | | | | | | | | | |
| S1 | Transparent | 120-277 | 84 | 18 | 40 | 70 | 6 061 | 152 | 54 000 | 9 000 | 1.00 | 16 | B4-U0-G1 |
| | | 347-480 | 84 | 18 | 40 | 70 | 6 061 | 152 | 54 000 | 9 000 | 0.89 | 16 | B4-U0-G1 |
| S2 | | 120-277 | 84 | 36 | 80 | 70 | 11 598 | 145 | 54 000 | 9 000 | 0.99 | 9 | B4-U0-G1 |
| | | 347-480 | 84 | 36 | 80 | 70 | 11 598 | 145 | 54 000 | 9 000 | 0.89 | 9 | B4-U0-G1 |
| S1 | Diffuse | 120-277 | 84 | 18 | 40 | 70 | 5 210 | 130 | 54 000 | 9 000 | 1.00 | 16 | B4-U0-G1 |
| | | 347-480 | 84 | 18 | 40 | 70 | 5 210 | 130 | 54 000 | 9 000 | 0.89 | 16 | B4-U0-G1 |
| S2 | | 120-277 | 84 | 36 | 80 | 70 | 9 847 | 123 | 54 000 | 9 000 | 0.99 | 9 | B4-U0-G1 |
| | | 347-480 | 84 | 36 | 80 | 70 | 9 847 | 123 | 54 000 | 9 000 | 0.89 | 9 | B4-U0-G1 |
| 4 000 K | | | | | | | | | | | | | |
| S1 | Diffuse | 120-277 | 84 | 18 | 40 | 70 | 4 850 | 121 | 54 000 | 9 000 | 1.00 | 16 | B4-U0-G1 |
| | | 347-480 | 84 | 18 | 40 | 70 | 4 850 | 121 | 54 000 | 9 000 | 0.89 | 16 | B4-U0-G1 |
| S2 | | 120-277 | 84 | 36 | 80 | 70 | 9 595 | 120 | 54 000 | 9 000 | 0.99 | 9 | B4-U0-G1 |
| | | 347-480 | 84 | 36 | 80 | 70 | 9 595 | 120 | 54 000 | 9 000 | 0.89 | 9 | B4-U0-G1 |
| 5 000 K | | | | | | | | | | | | | |
| S1 | Diffuse | 120-277 | 84 | 18 | 40 | 70 | 5 270 | 132 | 54 000 | 9 000 | 1.00 | 16 | B4-U0-G1 |
| | | 347-480 | 84 | 18 | 40 | 70 | 5 270 | 132 | 54 000 | 9 000 | 0.89 | 16 | B4-U0-G1 |
| S2 | | 120-277 | 84 | 36 | 80 | 70 | 9 931 | 124 | 54 000 | 9 000 | 0.99 | 9 | B4-U0-G1 |
| | | 347-480 | 84 | 36 | 80 | 70 | 9 931 | 124 | 54 000 | 9 000 | 0.89 | 9 | B4-U0-G1 |

PHOTOMETRIC DATA¹

CDL-LS1-W-C/40K-T • 6 041 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 1 598.1 | 28.5% |
| 0-40 | 2 682.6 | 47.9% |
| 0-60 | 4 750.2 | 84.7% |
| 60-90 | 855.7 | 15.3% |
| 0-90 | 5 605.9 | 100% |

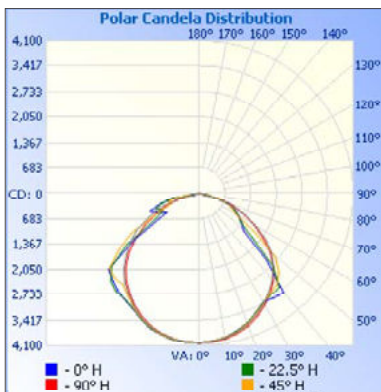
Illuminance at a distance

| Center beam fc | | Beam width | |
|----------------|---------|------------|-------|
| 1.7' | 707 fc | 4.3' | 3.4' |
| 3.3' | 188 fc | 8.3' | 6.6' |
| 5.0' | 81.7 fc | 12.6' | 10.0' |
| 6.7' | 45.5 fc | 16.9' | 13.5' |
| 8.3' | 29.6 fc | 20.9' | 16.7' |
| 10.0' | 20.4 fc | 25.2' | 20.1' |

Vert. spread: 103°
Horiz. spread: 90.3°

CDL-LS2-W-C/40K-T • 12 231 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|-----------|-----------|
| 0-30 | 3 160.4 | 27.8% |
| 0-40 | 5 263.3 | 46.4% |
| 0-60 | 9 356.8 | 82.4% |
| 60-90 | 1 995.3 | 17.6% |
| 0-90 | 11 352.10 | 100% |

Illuminance at a distance

| Center beam fc | | Beam width | |
|----------------|----------|------------|-------|
| 1.7' | 1 396 fc | 4.3' | 5.0' |
| 3.3' | 370 fc | 8.3' | 9.7' |
| 5.0' | 161 fc | 12.5' | 14.7' |
| 6.7' | 89.9 fc | 16.8' | 19.7' |
| 8.3' | 58.6 fc | 20.8' | 24.5' |
| 10.0' | 40.3 fc | 25.1' | 29.5' |

Vert. spread: 102.9°
Horiz. spread: 111.7°

¹ Complete IES files available on our website.

CDLA-L

HAZARDOUS LOCATION LED LINEAR LUMINAIRE

Class I, Division 1, Groups C, D

Class I, Division 2, Groups A, B, C, D

Non recessed Marine luminaires, outside type (salt water)

The CDLA-L Hazardous Location LED linear luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present. The CDLA-L is also NEC/CEC certified to be used in hazardous environments where there is presence of flammable vapors or gases.

FEATURES AND SPECIFICATIONS

• Construction

Housing

Rugged and resilient housing made of a copper-free aluminum, corrosion resistant casting, with separated driver compartment for improved thermal management. All exposed fasteners are quality stainless steel. Available in a grey casting color and a superior electrostatic powder coating.

Temperature ratings

Based on the surface temperature of the fixture;

- Class I Division 1, Group C, D is rated T6
- Class I Division 2, Group A, B, C, D is rated T3C

Ambient operating temperature

-40°C to +60°C

Ambient operating humidity

10% ~ 90% RH

Lens and Optics

This luminaire is outfitted of a glass lens that comes in a transparent or a diffuse finish. Beam angles options of 60° and 110° are available as well as a type II distribution pattern.

• Electrical

Available in either S1 (40 W) or S2 (80 W) configurations with a lumen per watt ratio up to 133 lm/W. Driver input voltage is 120-277 V 50/60 Hz or 347 V 50/60 Hz with a power factor >0.95. Durable high LEDs with solder-less board connections for shock and vibration resistance. The CDLA-L is offered in either 3 000, 4 000 and 5 000 K, with a color rendering index (CRI) >70.

• NEC/CEC Standards

NEC500/CEC Section 18: Existing plants

- Hazloc B :
 - Class I, Division 1, Groups C, D
 - Class I, Division 2, Groups A, B, C, D

NEC505/CEC Section 18 Zones: New plants

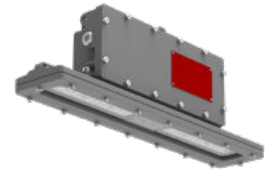
- Hazloc B
 - Class I, Zone 1, Group IIB
 - Class I, Zone 2, Group IIC

• Compliances

- Meets requirements of ICES-005 issue 4 for class A products
- 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
- IP66
- UL1598A
- UL1598
- UL8750

OVERVIEW

| | |
|-----------------------|---------------------|
| Light source | LED |
| Watts (W) | 40, 80 |
| Lumen output (lm) | 3 511 - 10 456 |
| Efficacy (lm/W) | 92 - 133 |
| Color temperature (K) | 3 000, 4 000, 5 000 |
| CRI | >70 |
| Weight (lbs) | 12.1 - 16.7 |



ICES
005



IK07



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

CDLA-L WITH EMERGENCY BACKUP

HAZARDOUS LOCATION LED LINEAR LUMINAIRE

Class I, Division 1, Groups C, D

Non recessed Marine luminaires, outside type (salt water)

The CDLA-L with emergency backup Hazardous Location LED linear luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present.

The CDLA-L with emergency backup is also NEC/CEC certified to be used in hazardous environments where there is presence of flammable vapors or gases.

FEATURES AND SPECIFICATIONS

• Construction

Housing

Rugged and resilient housing made of a copper-free aluminum, corrosion resistant casting, with separated driver compartment for improved thermal management. All exposed fasteners are quality stainless steel. Available in a grey casting color and a superior electrostatic powder coating.

Temperature ratings

Based on the surface temperature of the fixture ;

- Class I Division 1, Group C, D is rated T6

Ambient operating temperature

-20° to +45° C

Ambient operating humidity

10% ~ 90% RH

Battery

- 6 W (606 to 841 lumens)
- Discharge time : 90 min
- Charge time : 24 hours
- High-Temperature, Maintenance-Free
- Nickel-Cadmium Battery, 7 to 10 years life expectancy

Lens and Optics

This luminaire is outfitted of a glass lens that comes in a transparent or a diffuse finish. Beam angles options of 60° and 110° are available as well as a type II distribution pattern.

• Electrical

Available in S2 (80 W) configuration with a lumen per watt ratio up to 130 lm/W. Driver input voltage is 120-277 V 50/60 Hz or 347 V 50/60 Hz. Power factor >0.95. Durable high LEDs with solder-less board connections for shock and vibration resistance. The CDLA-L with emergency backup is offered in either 3 000, 4 000 and 5 000 K, with a color rendering index (CRI) >70.

• NEC/CEC Standards

NEC500/CEC Section 18: Existing plants

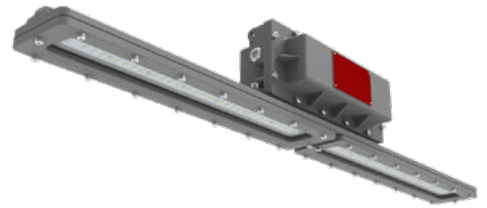
- Hazloc B :
- Class I, Division 1, Groups C, D

NEC505/CEC Section 18 Zones: New plants

- Hazloc B
- Class I, Zone 1, Group IIB

• Compliances

- Meets requirements of ICES-005 issue 4 for class A products
- 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
- IP66
- UL924
- UL1598A
- UL1598
- UL8750



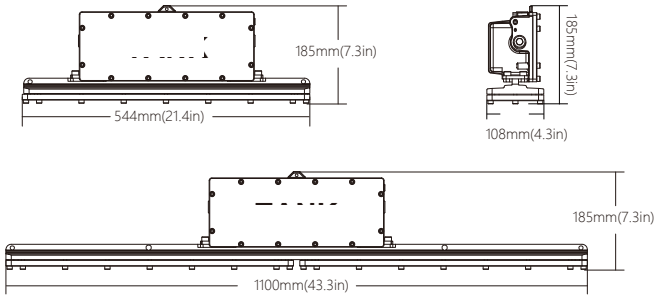
OVERVIEW

| | |
|-----------------------|---------------------|
| Light source | LED |
| Watts (W) | 80 |
| Lumen output (lm) | 7 604 - 10 456 |
| Efficacy (lm/W) | 94 - 130 |
| Color temperature (K) | 3 000, 4 000, 5 000 |
| CRI | >70 |
| Weight (lbs) | 12.1 – 16.7 |

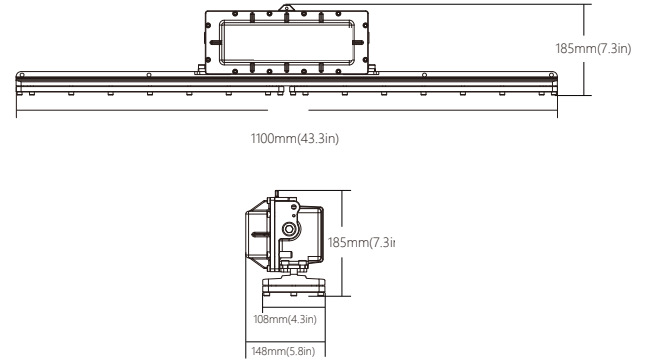


DIMENSIONS

| Part number | Net weight (lbs) | Dimensions (LxWxH) (in) |
|-------------|------------------|-------------------------|
| CDLA-LS1 | 16.1 | 21.4 x 4.3 x 7.3 |
| CDLA-LS2 | 23.8 | 43.3 x 4.3 x 7.3 |

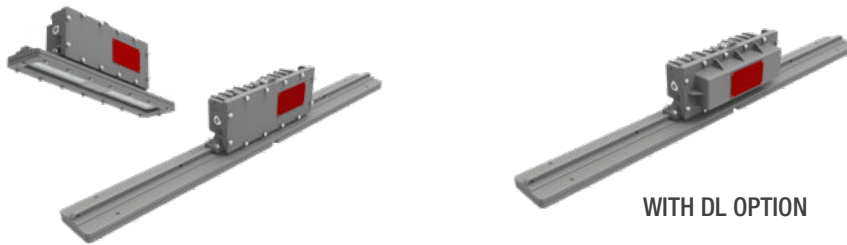


| Part number | Net weight (lbs) | Dimensions (LxWxH) (in) |
|---------------|------------------|-------------------------|
| CDLA-LS2 (DL) | 26.9 | 43.3 x 5.8 x 7.3 |



MOUNTING

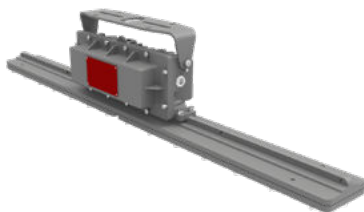
PENDANT (STANDARD)



ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

CEILING MOUNT

BKT761-LN



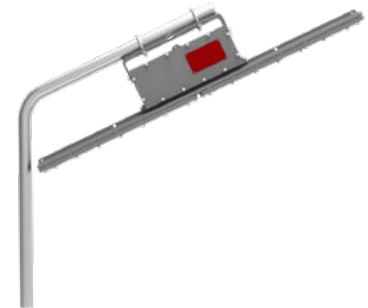
WALL MOUNT

BKT761-LN



POLE MOUNT

BKT775 + BKT761-LN



ORDERING GUIDE

| Series | Lamp type | Lumen package | Volts (V) | Hazloc | Color temp. (K) | Beam angle | Lens option |
|--------|-----------|--|------------------------|---|--|------------------------------------|---|
| CDLA | L - LED | S1 - Refer to the S2 - technical specifications table for details | W - 120-277 H - 347 | B - Class I Division 1, Class I Division 2 | 3K - 3 000 4K - 4 000 5K - 5 000 | I - 60° J - 110° K - Type II | D - Diffuse glass ¹ T - Transparent glass |

¹ Only available with the 110° optic.

ORDERING GUIDE - WITH EMERGENCY BACKUP

| Series | Lamp type | Lumen package | Volts (V) | Hazloc | Color temp. (K) | Beam angle | Lens option | Option |
|--------|-----------|--|-------------|------------------------|--|------------------------------------|---|------------------------------------|
| CDLA | L - LED | S2 - Refer to the technical specifications table for details | W - 120-277 | B - Class I Division 1 | 3K - 3 000 4K - 4 000 5K - 5 000 | I - 60° J - 110° K - Type II | D - Diffuse glass ¹ T - Transparent glass | DL - Emergency backup ² |

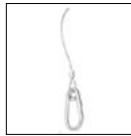
¹ Only available with the 110° optic.

² External test switch supplied by others.

ACCESSORIES (order separately)

| Part number | Type |
|-------------|---|
| HAR1117 | Stainless steel safety kit |
| BKT775 | Stanchion mount pipe clamp ¹ |
| BKT761-LN | U-bracket |

¹ Include 2 pipes per box.



HAR1117
Stainless steel safety kit



BKT775
Stanchion mount pipe clamp



BKT761-LN
U-bracket

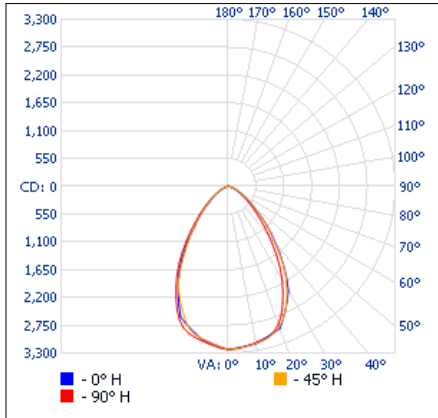
TECHNICAL SPECIFICATION TABLE

| Lumen package | Optics | Lens type | Volts (VAC) | LED current (mA) | # of LEDs | Watts (W) | CRI | Lumens output (lm) | Efficacy (lm/w) | Life L70 (hrs) | Tested hours LM-80 (hrs) | Power factor | THD (%) |
|----------------|---------|-------------|-------------|------------------|-----------|-----------|-----|--------------------|-----------------|----------------|--------------------------|--------------|---------|
| 3 000 K | | | | | | | | | | | | | |
| S1 | 60° | TRANSPARENT | 120-277 | 475 | 26 | 40 | 70 | 4 510.20 | 112.76 | ≥50000 | 9000 | 0.95 | 17 |
| | | | 347 | | | | | | | | | | |
| | 110° | | 120-277 | | | | | 4 436.25 | 116.35 | | | | |
| | 347 | | | | | | | | | | | | |
| TYPE II | 120-277 | | 4 485.21 | | | | | 112.13 | | | | | |
| | 347 | | | | | | | | | | | | |
| S2 | 60° | TRANSPARENT | 120-277 | 500 | 52 | 80 | 70 | 9 732.99 | 121.66 | ≥50000 | 9000 | 0.95 | 13 |
| | | | 347 | | | | | | | | | | |
| | 110° | | 120-277 | | | | | 9 546.14 | 117.11 | | | | |
| | 347 | | | | | | | | | | | | |
| TYPE II | 120-277 | | 9 216.50 | | | | | 115.21 | | | | | |
| | 347 | | | | | | | | | | | | |
| S1 | 110° | DIFFUSE | 120-277 | 475 | 26 | 40 | 70 | 3 511.23 | 92.38 | ≥50000 | 9000 | 0.95 | 17 |
| | 347 | | | | | | | | | | | | |
| S2 | 110° | DIFFUSE | 120-277 | 500 | 52 | 80 | 70 | 7 604.9 | 93.5 | ≥50000 | 9000 | 0.95 | 13 |
| | 347 | | | | | | | | | | | | |
| 4 000 K | | | | | | | | | | | | | |
| S1 | 60° | TRANSPARENT | 120-277 | 475 | 26 | 40 | 70 | 4 614.69 | 115.37 | ≥50000 | 9000 | 0.95 | 17 |
| | | | 347 | | | | | | | | | | |
| | 110° | | 120-277 | | | | | 4 472.25 | 117.97 | | | | |
| | 347 | | | | | | | | | | | | |
| TYPE II | 120-277 | | 4 934.89 | | | | | 123.37 | | | | | |
| | 347 | | | | | | | | | | | | |
| S2 | 60° | TRANSPARENT | 120-277 | 500 | 52 | 80 | 70 | 9 742.32 | 121.78 | ≥50000 | 9000 | 0.95 | 13 |
| | | | 347 | | | | | | | | | | |
| | 110° | | 120-277 | | | | | 9 554.71 | 119.27 | | | | |
| | 347 | | | | | | | | | | | | |
| TYPE II | 120-277 | | 9 849.62 | | | | | 123.12 | | | | | |
| | 347 | | | | | | | | | | | | |
| S1 | 110° | DIFFUSE | 120-277 | 475 | 26 | 40 | 70 | 3 511.15 | 93.02 | ≥50000 | 9000 | 0.95 | 17 |
| | 347 | | | | | | | | | | | | |
| S2 | 110° | DIFFUSE | 120-277 | 500 | 52 | 80 | 70 | 7 520.41 | 94.17 | ≥50000 | 9000 | 0.95 | 13 |
| | 347 | | | | | | | | | | | | |
| 5 000 K | | | | | | | | | | | | | |
| S1 | 60° | TRANSPARENT | 120-277 | 475 | 26 | 40 | 70 | 5 356.11 | 133.90 | ≥50000 | 9000 | 0.95 | 17 |
| | | | 347 | | | | | | | | | | |
| | 110° | | 120-277 | | | | | 4 800.00 | 120.00 | | | | |
| | 347 | | | | | | | | | | | | |
| TYPE II | 120-277 | | 5 118.43 | | | | | 123.91 | | | | | |
| | 347 | | | | | | | | | | | | |
| S2 | 60° | TRANSPARENT | 120-277 | 500 | 52 | 80 | 70 | 10 456.80 | 130.71 | ≥50000 | 9000 | 0.95 | 13 |
| | | | 347 | | | | | | | | | | |
| | 110° | | 120-277 | | | | | 9 600.00 | 120.00 | | | | |
| | 347 | | | | | | | | | | | | |
| TYPE II | 120-277 | | 10 249.5 | | | | | 128.82 | | | | | |
| | 347 | | | | | | | | | | | | |
| S1 | 110° | DIFFUSE | 120-277 | 475 | 26 | 40 | 70 | 3 897.10 | 97.59 | ≥50000 | 9000 | 0.95 | 17 |
| | 347 | | | | | | | | | | | | |
| S2 | 110° | DIFFUSE | 120-277 | 500 | 52 | 80 | 70 | 8 035.08 | 98.59 | ≥50000 | 9000 | 0.95 | 13 |
| | 347 | | | | | | | | | | | | |

PHOTOMETRIC DATA¹

CDLA-LS1-W-B-4K-I-T • 4 615.7 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 2 281.5 | 49.4% |
| 0-40 | 3 308.7 | 71.7% |
| 0-60 | 4 365.8 | 94.6% |
| 60-90 | 249.9 | 5.4% |
| 0-90 | 4 615.7 | 100% |

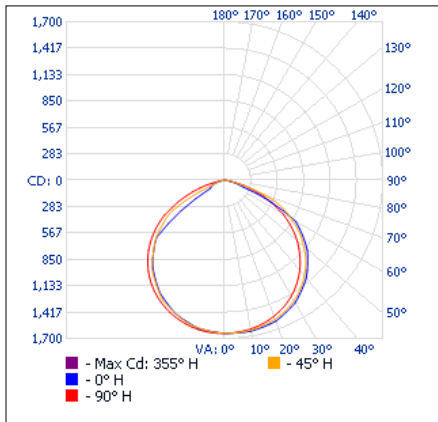
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|---------------|
| | Vertical | Horizontal |
| 8.3' | 46.8 | 12.0' / 11.7' |
| 16.7' | 11.6 | 24.1' / 23.4' |
| 25.0' | 5.16 | 36.1' / 35.1' |
| 33.3' | 2.91 | 48.1' / 46.8' |
| 41.7' | 1.86 | 60.2' / 58.5' |
| 50.0' | 1.29 | 72.2' / 70.2' |

■ Vert. spread: 71.6°
■ Horiz. spread: 70.1°

CDLA-LS1-W-B-4K-J-T • 4 472.8 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 1 302.5 | 29.1% |
| 0-40 | 2 157.2 | 48.2% |
| 0-60 | 3 827.0 | 85.6% |
| 60-90 | 645.8 | 14.4% |
| 0-90 | 4 472.8 | 100% |

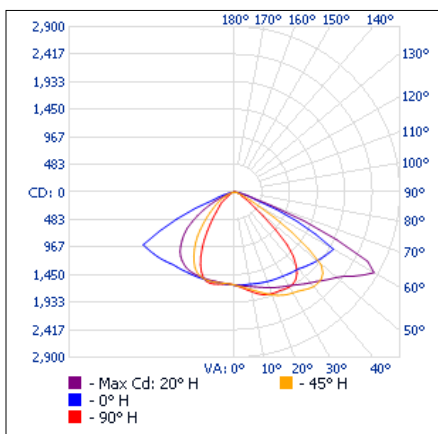
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|-----------------|
| | Vertical | Horizontal |
| 8.3' | 23.9 | 24.9' / 25.7' |
| 16.7' | 5.89 | 50.1' / 51.8' |
| 25.0' | 2.63 | 75.0' / 77.6' |
| 33.3' | 1.48 | 99.9' / 103.3' |
| 41.7' | 0.95 | 125.0' / 129.4' |
| 50.0' | 0.66 | 149.9' / 155.1' |

■ Vert. spread: 112.6°
■ Horiz. spread: 114.4°

CDLA-LS1-W-B-4K-K-T • 4 935.5 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 1 434.4 | 29.1% |
| 0-40 | 2 439.0 | 49.4% |
| 0-60 | 4 365.6 | 88.5% |
| 60-90 | 569.9 | 11.5% |
| 0-90 | 4 935.5 | 100% |

Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|----------------|
| | Vertical | Horizontal |
| 8.3' | 23.7 | 36.8' / 4.8' |
| 16.7' | 5.85 | 74.0' / 9.7' |
| 25.0' | 2.61 | 110.8' / 14.5' |
| 33.3' | 1.47 | 147.6' / 19.4' |
| 41.7' | 0.94 | 184.9' / 24.3' |
| 50.0' | 0.65 | 221.7' / 29.1' |

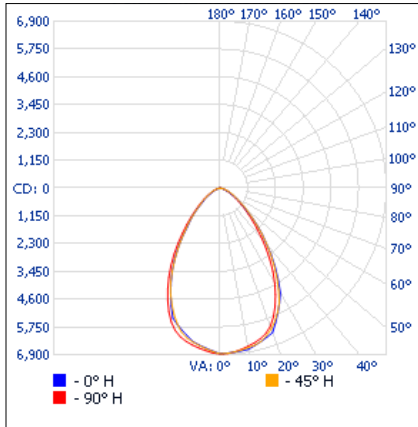
■ Vert. spread: 131.4°
■ Horiz. spread: 32.4°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹ (CONTINUED)

CDLA-LS2-W-B-4K-I-T • 9 744.5 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 4 818.2 | 49.4% |
| 0-40 | 6 981.6 | 71.7% |
| 0-60 | 9 215.5 | 94.6% |
| 60-90 | 528.9 | 5.4% |
| 0-90 | 9 744.5 | 100% |

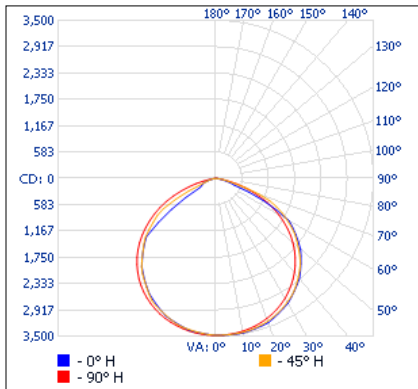
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|-------|
| | 11.8' | 11.7' |
| 8.3' | 99.5 | 23.5' |
| 16.7' | 24.6 | 35.2' |
| 25.0' | 11.0 | 46.9' |
| 33.3' | 6.18 | 58.7' |
| 41.7' | 3.94 | 70.4' |
| 50.0' | 2.74 | |

■ Vert. spread: 70.8°
■ Horiz. spread: 70.3°

CDLA-LS2-W-B-4K-J-T • 9 555.8 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 2 761.3 | 28.9% |
| 0-40 | 4 577.4 | 47.9% |
| 0-60 | 8 143.7 | 85.2% |
| 60-90 | 1 412.2 | 14.8% |
| 0-90 | 9 555.8 | 100% |

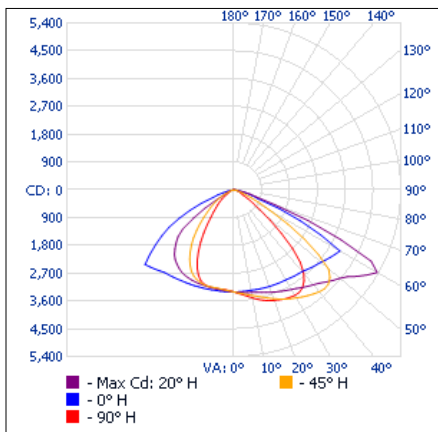
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|--------|
| | 24.9' | 25.7' |
| 8.3' | 23.9 | 77.6' |
| 16.7' | 5.89 | 103.3' |
| 25.0' | 2.63 | 129.4' |
| 33.3' | 1.48 | 155.1' |
| 41.7' | 0.95 | |
| 50.0' | 0.66 | |

■ Vert. spread: 112.6°
■ Horiz. spread: 114.4°

CDLA-LS2-W-B-4K-K-T • 9 850.4 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 2 868.0 | 29.1% |
| 0-40 | 4 900.3 | 49.7% |
| 0-60 | 8 774.9 | 89.1% |
| 60-90 | 1 075.5 | 10.9% |
| 0-90 | 9 850.4 | 100% |

Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|-------|
| | 34.4' | 5.5' |
| 8.3' | 48.0 | 11.0' |
| 16.7' | 11.9 | 16.5' |
| 25.0' | 5.29 | 21.9' |
| 33.3' | 2.98 | 27.4' |
| 41.7' | 1.90 | 32.9' |
| 50.0' | 1.32 | |

■ Vert. spread: 128.4°
■ Horiz. spread: 36.4°

¹ Complete IES files available on our website.

VX4-L

CLASS I, DIVISION 2 & CLASS III, DIVISION 1 & 2 HAZARDOUS LOCATION LED VAPOUR TIGHT

The VX4-L sealed 4' linear luminaire is designed for use in hazardous locations when gases and liquids may be present. Acetylene, hydrogen, ether, hydrocarbons, fuels, solvents etc. that are not normally present in an explosive concentration (but may accidentally exist).

FEATURES AND SPECIFICATIONS

• Applications

- Clean rooms
- Locker rooms
- Computer areas
- Fuel storage areas
- Chemical processing facility
- Petrochemical processing facility
- Loading docks

• Construction

Housing

- The housing is constructed from a one piece glass reinforced white fiberglass
- A closed cell, high temperature poured in place gasket and polycarbonate latches seal the enclosure from most hostile environments
- The low profile housing is available in 4'

Lens

The fixture comes standard with an impact resistant acrylic frosted lens.

• Specifications

- Wash down design
- Very durable
- Easy to clean and service
- LED technology for long term energy savings
- Stainless steel latches are available
- The luminaire enclosure was found to be in compliance with the indicated requirements of Enclosures for Electrical Equipment NEMA 4X

Driver

- 120-277 V and 347 V
- 0-10 V dimming driver standard

Ambient temperature

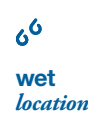
-40° to +40°C

Mounting

Ceiling mounting brackets and mounting ball brackets for suspended mount included. Hardware in stainless steel.

• Compliances

- Class I - Division 2, Groups A, B, C and D, T5 ambient 40°C
- Class III - Division 1 & 2, T5 ambient 40°C
- Hazardous location
- Suitable for damp and wet location
- IP66
- IP67
- 1500 PSI: High pressure hose down test (1.3 gallon per minute for 3 minutes at 1.5-2.0' from the unit) to maintain the integrity of the fixture. No water ingress is allowed
- NSF
- Compliant with Nema 4X
- Meets requirements of ICES-005
- CSA certified to C22.2 #250.0, #250.13, #137
- CSA
- UL1598, UL8750



OVERVIEW

| | |
|-----------------------|----------------------------|
| Light source | DEL |
| Watts (W) | 31-79 |
| Lumen output (lm) | 3 797 - 1 0047 |
| Efficiency (lm/W) | 96- 143 |
| Color temperature (K) | 3 000, 3 500, 4 000, 5 000 |
| CRI | 80+ |
| Weight (lbs) | 14.15 |

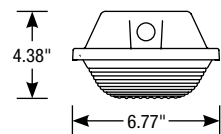
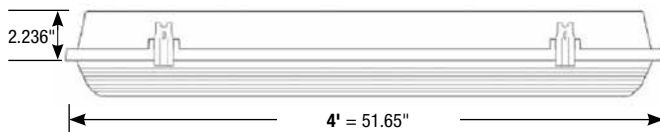
ORDERING GUIDE

| Series | Lamp type | Lumen package delivered | CRI | Volts (V) | Color temp. (K) | Options |
|--------|-----------|--|----------------------------------|--------------------------------------|--|---|
| VX4 | L - LED | S1A - S2A - S3A - S4A - Refer to the technical specification table for more details | 80 - 80 90 - 90 | H - 347 W - 120-277 | 30K - 3 000 35K - 3 500 40K - 4 000 50K - 5 000 | SS - Stainless steel latches KV - 10kV surge protector DL - Emergency back up (0°C-25°C) PC - Polycarbonate ribbed frosted lens SFAL - Smooth frosted acrylic lens SFPL - Smooth frosted polycarbonate lens TP - Vandal resistant screws L6 - 6' white power cord L10 - 10' white power cord AC - Aviation cable kit RGB-45 - Wall mount bracket (45°) L6-BK - 6' black power cord L10-BK - 10' black power cord |

TECHNICAL SPECIFICATION TABLE

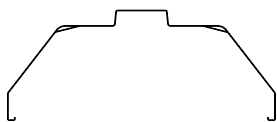
| Lumen package | Watts (W) | Volts (V) | 3 000 K | | 3 500 K | | 4 000 K | | 5 000 K | | CRI | Life L70 (hrs) | Tested hours LM-80 (hrs) | Power factor | THD (%) |
|---------------|-----------|----------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|-------------------|-----|----------------|--------------------------|--------------|---------|
| | | | Lumen (lm) | Efficiency (lm/W) | Lumen (lm) | Efficiency (lm/W) | Lumen (lm) | Efficiency (lm/W) | Lumen (lm) | Efficiency (lm/W) | | | | | |
| S1A | 31 | 120-277 347 | 3 797 | 124 | 3 889 | 127 | 3 862 | 99 | 4 141 | 135 | 80+ | 189 000 | 10 000 | 0.97 | 11 |
| S2A | 40 | | 5 223 | 131 | 5 349 | 134 | 7 132 | 96 | 5 695 | 143 | 80+ | 189 000 | 10 000 | 0.97 | 11 |
| S3A | 60 | | 7 314 | 123 | 7 490 | 126 | 7 703 | 126 | 7 976 | 134 | 80+ | 189 000 | 10 000 | 0.98 | 9 |
| S4A | 79 | | 9 212 | 117 | 9 435 | 120 | 9 703 | 120 | 10 047 | 128 | 80+ | 189 000 | 10 000 | 0.98 | 10 |

DIMENSIONS

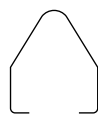


Class I, Division II,
connector not supplied.

CEILING MOUNTING BRACKETS¹



BAIL BRACKETS¹

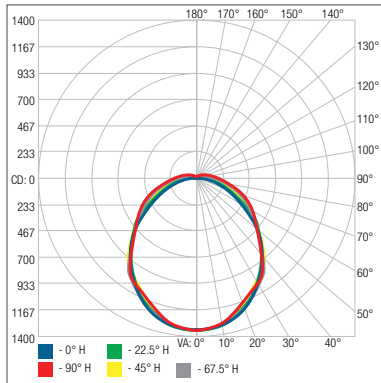


¹ Included

PHOTOMETRIC DATA¹

VX4-LS1-(W/H)/40K • 3 862.2lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 1 006.6 | 26.1 |
| 0-40 | 1 635.5 | 42.3 |
| 0-60 | 2 804.4 | 72.6 |
| 60-90 | 871.5 | 22.6 |
| 70-100 | 542.5 | 14 |
| 90-120 | 174.9 | 4.5 |
| 0-90 | 3 676.0 | 95.2 |
| 90-180 | 186.2 | 4.8 |
| 0-180 | 3 862.2 | 100 |

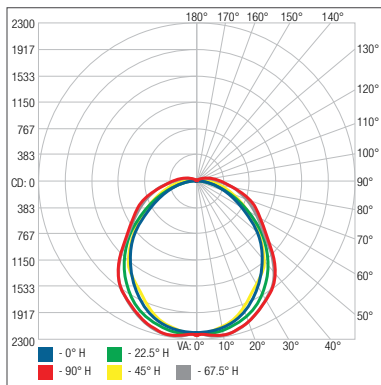
Illuminance at a distance

| | Center beam fc | Beam width | |
|-------|----------------|------------|-------|
| 2.0' | 336.8 | 4.9' | 5.2' |
| 4.0' | 84.2 | 9.8' | 10.4' |
| 6.0' | 37.4 | 14.7' | 15.6' |
| 8.0' | 21.0 | 19.5' | 20.8' |
| 10.0' | 13.5 | 24.4' | 26.0' |

■ Vert. spread: 101.4°
■ Horiz. spread: 104.9°

VX4-LS3-(W/H)/40K • 7 131.8lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 1 774.0 | 24.9 |
| 0-40 | 2 918.0 | 40.9 |
| 0-60 | 5 106.6 | 71.6 |
| 60-90 | 1 648.0 | 23.1 |
| 70-100 | 1 044.7 | 14.6 |
| 90-120 | 357 | 5 |
| 0-90 | 6 754.6 | 94.7 |
| 90-180 | 377.3 | 5.3 |
| 0-180 | 7 131.8 | 100 |

Illuminance at a distance

| | Center beam fc | Beam width | |
|-------|----------------|------------|-------|
| 2.0' | 551.8 | 5.2' | 6.0' |
| 4.0' | 137.9 | 10.4' | 12.0' |
| 6.0' | 61.3 | 15.6' | 17.9' |
| 8.0' | 34.5 | 20.8' | 23.9' |
| 10.0' | 22.1 | 26.0' | 29.9' |

■ Vert. spread: 104.8°
■ Horiz. spread: 112.4°

¹ Complete IES files available on our website.

CDA-L

HAZARDOUS LOCATION HIGH BAY

Class I, Division 2, Groups A, B, C, D

Class II, Division 1, Groups E, F, G

Class II, Division 2, Groups F, G

Non recessed marine luminaires, outside type (salt water)

The CDA-L Hazardous Location LED high bay is designed for installations where moisture dirt dust corrosion and vibration may be present or in NEMA 3 and 4X locations where wind water snow or high ambient temperatures can be expected. The CDA-L is also NEC/CEC certified to be used in hazardous environments where there is presence of flammable vapours or gases or combustible dusts.

FEATURES AND SPECIFICATIONS

• Construction

Housing

Rugged and resilient housing made of a copper-free aluminum corrosion resistant casting with separated driver compartment for improved thermal management. All exposed fasteners are quality stainless steel as well as high temperature quality silicone gasketing. Available in a grey casting color and a superior electrostatic powder coating.

Temperature ratings

Based on the surface temperature of the fixture ;

– Class I Division 2 is rated T4A, except for all the configurations that are 40 W and 347V (will not exceed 120°C)

– Class II Division 1 Division 2 & Class III are rated T5 (will not exceed 100°C)

Ambient operating temperature

-40°C to +55°C

All the configurations 60 W and 347 V have an ambient operating temperature of -40°C to + 45°C

Ambient operating humidity

5% ~ 95% RH

Optics

Comes standard with a thermal shock and impact resistant tempered glass lens and is available in a flat or a drop lens. Offered in a clear finish with a 110° beam angle and a diffuse finish is also available in option. The drop lens have a 130° beam angle.

• Electrical

Available in either S1 (45 W) or S2 (65 W) configurations with a lumen per watt ratio of 118 to 171 lm/W. Driver input voltage are 120-277 V or 347 V 50/60Hz are non-dimmable and have 4 kV integrated transient surge protection with a power factor >0.95. Durable high powered LUXEON LEDs with solder-less board connections for shock and vibration resistance. The CDA-L is offered in either 3 000, 4 000 or 5 000 K with a color rendering index (CRI) >70.

• NEC/CEC Standards

NEC500/CEC Section 18: Existing plants

Hazloc C

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups E, F, G
- Class II, Division 2, Groups F, G

NEC505/CEC Section 18 Zones: New plants

Hazloc C

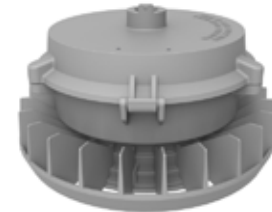
- Class I, Zone 2, Group IIC
- Zone 21

• Compliances

- Meets requirements of ICES-005 issue 4 for class A products
- 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
- IK07 (drop lens)
- IK08 (flat lens)
- UL Standards
- UL1598A
- UL1598
- UL844
- UL8750
- CSA Standards
- CSA C22.2 No.250.0 250.13
- CSA C22.2 No.137

OVERVIEW

| | |
|-----------------------|--|
| Light source | LED |
| Watts (W) | 45 - 65 (120-277 V) 40 - 60 (347 V) |
| Lumen output (lm) | 4 790 - 10 654 |
| Efficiency (lm/W) | 118 - 171 |
| Color temperature (K) | 3 000, 4 000, 5 000 |
| CRI | >70 |
| Weight (lbs) | 9.26 |



Pendant adapter



Ceiling/Wall stanchion adapter



quick
ship



LED
fixture



ICES
005



IK07

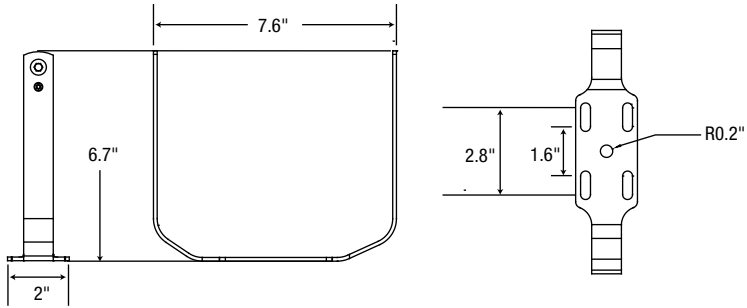


IK08

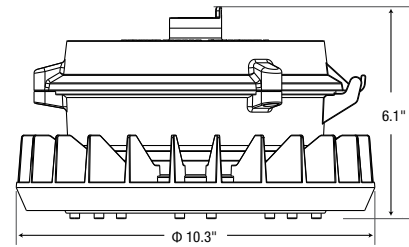


Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

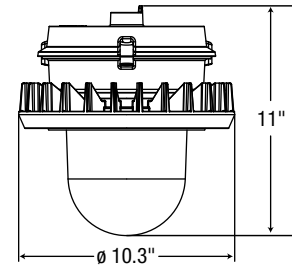
DIMENSIONS



WITH FLAT LENS GLASS



WITH DROP LENS



| Part number | Net weight (lbs) | Dimensions (LxWxH) |
|-------------|------------------|--------------------|
| CDA-LS1 | 9.26 | 10.2 x 5.9" |
| CDA-LS2 | | |

MOUNTINGS

PENDANT (standard)
MOUNTING ADAPTER "P"



ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

CEILING/WALL MOUNT
BKT761-HB



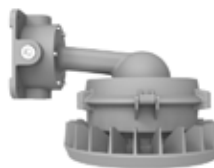
CEILING/WALL STANCHION (optional adapter)
MOUNTING ADAPTER "J"



CEILING MOUNT
JB018



WALL MOUNT
BKT771-25 or
BKT771-90



POLE MOUNT
BKT773-P166 or
BKT773-P1900



POLE MOUNT
BKT772-P166 or
BKT772-P1900



QUICK SHIP AND TECHNICAL SPECIFICATION TABLE

| Part number | DLC unique ID | Watts (W) | Color temp. (K) ² | Lumen output (lm) ³ | Efficiency (lm/W) | CRI | Life L70 (hrs) ⁴ | Tested hours LM-80 (hrs) ⁴ | LED current (mA) | Power factor | THD (%) | B.U.G. rating | Beam angle (°) | Case qty (master) |
|---|---------------|-----------|------------------------------|--------------------------------|-------------------|-----|-----------------------------|---------------------------------------|------------------|--------------|---------|---------------|----------------|-------------------|
| 120-277 V - Pendant | | | | | | | | | | | | | | |
| CDA-LS1-W-C/40K-TP | PL5EK4WNJUT | 45 | 4 000 | 6 750 | 140 | 70 | 54 000 | 9 000 | 42 | 1.00 | 13 | B4-U0-G1 | 110 | 1 |
| CDA-LS2-W-C/40K-TP | PLMFRG32T7AB | 65 | 4 000 | 9 750 | 144 | 70 | 54 000 | 9 000 | 43 | 0.99 | 11 | B4-U0-G1 | 110 | 1 |
| CDA-LS1-W-C/50K-TP | PLOGIV5NHX51 | 45 | 5 000 | 6 750 | 150 | 70 | 54 000 | 9 000 | 42 | 1.00 | 13 | B4-U0-G1 | 110 | 1 |
| CDA-LS2-W-C/50K-TP | PLQAXAKUYXCF | 65 | 5 000 | 9 750 | 150 | 70 | 54 000 | 9 000 | 43 | 0.99 | 11 | B4-U0-G1 | 110 | 1 |
| 120-277 V - Ceiling / Wall stanchion | | | | | | | | | | | | | | |
| CDA-LS1-W-C/40K-TJ | PL5EK4WNJUT | 45 | 4 000 | 6 750 | 140 | 70 | 54 000 | 9 000 | 42 | 1.00 | 13 | B4-U0-G1 | 110 | 1 |
| CDA-LS2-W-C/40K-TJ | PLMFRG32T7AB | 65 | 4 000 | 9 750 | 144 | 70 | 54 000 | 9 000 | 43 | 0.99 | 11 | B4-U0-G1 | 110 | 1 |
| CDA-LS1-W-C/50K-TJ | - | 45 | 5 000 | 6 750 | 150 | 70 | 54 000 | 9 000 | 42 | 1.00 | 13 | B4-U0-G1 | 110 | 1 |
| CDA-LS2-W-C/50K-TJ | - | 65 | 5 000 | 9 750 | 150 | 70 | 54 000 | 9 000 | 43 | 0.99 | 11 | B4-U0-G1 | 110 | 1 |
| 347 V - Pendant | | | | | | | | | | | | | | |
| CDA-LS1-H-C/40K-TP | - | 45 | 4 000 | 6 750 | 157 | 70 | 54 000 | 9 000 | 37 | 0.97 | 13 | B4-U0-G1 | 110 | 1 |
| CDA-LS2-H-C/40K-TP | - | 65 | 4 000 | 9 750 | 169 | 70 | 54 000 | 9 000 | 41 | 0.98 | 11 | B4-U0-G1 | 110 | 1 |
| CDA-LS1-H-C/50K-TP | - | 45 | 5 000 | 6 750 | 156 | 70 | 54 000 | 9 000 | 37 | 0.97 | 13 | B4-U0-G1 | 110 | 1 |
| CDA-LS2-H-C/50K-TP | - | 65 | 5 000 | 9 750 | 171 | 70 | 54 000 | 9 000 | 41 | 0.98 | 11 | B4-U0-G1 | 110 | 1 |
| 347 V - Ceiling / Wall stanchion | | | | | | | | | | | | | | |
| CDA-LS1-H-C/40K-TJ | - | 45 | 4 000 | 6 750 | 157 | 70 | 54 000 | 9 000 | 37 | 0.97 | 13 | B4-U0-G1 | 110 | 1 |
| CDA-LS2-H-C/40K-TJ | - | 65 | 4 000 | 9 750 | 169 | 70 | 54 000 | 9 000 | 41 | 0.98 | 11 | B4-U0-G1 | 110 | 1 |
| CDA-LS1-H-C/50K-TJ | - | 45 | 5 000 | 6 750 | 156 | 70 | 54 000 | 9 000 | 37 | 0.97 | 13 | B4-U0-G1 | 110 | 1 |
| CDA-LS2-H-C/50K-TJ | - | 65 | 5 000 | 9 750 | 171 | 70 | 54 000 | 9 000 | 41 | 0.98 | 11 | B4-U0-G1 | 110 | 1 |

¹ **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

² Typical color temperature range: +/- 5 %.

³ Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

⁴ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

ORDERING GUIDE

| Series | Lamp type | Lumen package | Volt (V) | Hazloc | Color temp. (K) | Lens option | Mounting adapter |
|--------|-----------|--|------------------------|---|---|--|---|
| CDA | L - LED | S1 - Refer to S2 - technical specification table for details | W - 120-277 H - 347 | C - Class I Division 2 Class II Division 1 Class II Division 2 Class III | 30K - 3 000 40K - 4 000 50K - 5 000 | D - Diffuse tempered glass T - Transparent tempered glass L - Drop lens tempered glass | P - NPT 3/4" pendant J ¹ - Ceiling/Wall stanchion |

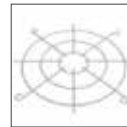
¹ See section below titled "Accessories for use with J mounting adapter" to choose your installation option

ACCESSORIES (order separately) to be used with "P" mounting adapter

| Part number | Type |
|-------------|--|
| BKT761-HB | U-Bracket (SUS 304) |
| WGD070 | Stainless steel wire guard |
| WGD071 | Stainless steel wire guard for drop lens |
| HAR1056 | Stainless steel safety cable kit |



BKT761-HB
U-Bracket (SUS 304)



WGD070
Stainless steel wire guard



WGD071
Stainless steel wire guard for drop lens



HAR1056
Stainless steel safety cable kit

ACCESSORIES (order separately) to be used with "J" mounting adapter

| Part number | Type |
|--------------|--|
| JB018 | Junction box NPT 3/4" |
| BKT771-25 | Wall mount-25° |
| BKT771-90 | Wall mount-90° |
| BKT772-P166 | Stanchion-25° (NPT 1.25") |
| BKT772-P1900 | Stanchion-25° (NPT 1.50") |
| BKT773-P166 | Stanchion-90° (NPT 1.25") |
| BKT773-P1900 | Stanchion-90° (NPT 1.50") |
| WGD070 | Stainless steel wire guard |
| WGD071 | Stainless steel wire guard for drop lens |
| HAR1056 | Stainless steel safety cable kit |



JB018
Junction box NPT 3/4"



BKT771-25
Wall mount 25°



BKT771-90
Wall mount 90°



BKT772-P166 or
BKT772-P1900
Stanchion-25°



BKT773-P166 or
BKT773-P1900
Stanchion-90°



WGD070
Stainless steel wire guard



WGD071
Stainless steel wire guard for drop lens



HAR1056
Stainless steel safety cable kit

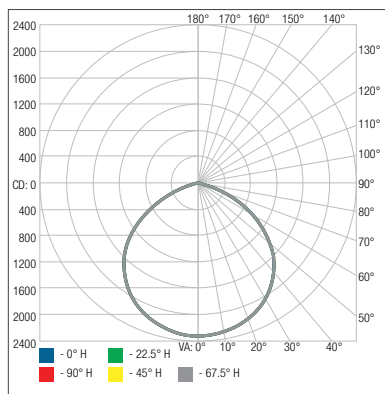
TECHNICAL SPECIFICATION TABLE

| Lumen package | Volts (VAC) | Lens type | LED current (mA) | # of LEDs | Watts (W) | CRI | Lumens output (lm) | Efficiency (lm/w) | Life L70 (hrs) | Tested hours LM80 (hrs) | Power factor | THD (%) | B.U.G. rating | |
|----------------|-------------|-------------|------------------|-----------|-----------|-----|--------------------|-------------------|----------------|-------------------------|--------------|---------|---------------|----------|
| 3 000 K | | | | | | | | | | | | | | |
| S1 | 120-277 | Transparent | 42 | 40 | 45 | 70 | 6 483 | 140 | 54 000 | 9 000 | 1.00 | 13 | B4-U0-G1 | |
| | 347 | | 37 | 40 | 40 | 70 | 5 752 | 144 | 54 000 | 9 000 | 0.97 | 13 | B4-U0-G1 | |
| S2 | 120-277 | | 43 | 60 | 65 | 70 | 9 620 | 148 | 54 000 | 9 000 | 1.00 | 11 | B4-U0-G1 | |
| | 347 | | 41 | 60 | 60 | 70 | 9 151 | 155 | 54 000 | 9 000 | 0.98 | 11 | B4-U0-G1 | |
| S1 | 120-277 | | Diffuse | 42 | 40 | 45 | 70 | 5 447 | 121 | 54 000 | 9 000 | 1.00 | 13 | B4-U0-G1 |
| | 347 | | | 37 | 40 | 40 | 70 | 4 943 | 132 | 54 000 | 9 000 | 0.97 | 13 | B4-U0-G1 |
| S2 | 120-277 | 43 | | 60 | 65 | 70 | 8 062 | 124 | 54 000 | 9 000 | 0.99 | 11 | B4-U0-G1 | |
| | 347 | 41 | | 60 | 60 | 70 | 7 795 | 132 | 54 000 | 9 000 | 0.98 | 11 | B4-U0-G1 | |
| S1 | 120-277 | Drop Lens | | 42 | 40 | 45 | 70 | 5 520 | 129 | 54 000 | 9 000 | 1.00 | 13 | B4-U0-G1 |
| | 347 | | | 37 | 40 | 40 | 70 | 4 790 | 120 | 54 000 | 9 000 | 0.97 | 13 | B4-U0-G1 |
| S2 | 120-277 | | 43 | 60 | 65 | 70 | 8 193 | 125 | 54 000 | 9 000 | 0.99 | 11 | B4-U0-G1 | |
| | 347 | | 41 | 60 | 60 | 70 | 7 554 | 127 | 54 000 | 9 000 | 0.98 | 11 | B4-U0-G1 | |
| 4 000 K | | | | | | | | | | | | | | |
| S1 | 120-277 | | Diffuse | 42 | 40 | 45 | 70 | 5 295 | 118 | 54 000 | 9 000 | 1.00 | 13 | B4-U0-G1 |
| | 347 | 37 | | 40 | 40 | 70 | 5 353 | 135 | 54 000 | 9 000 | 0.97 | 13 | B4-U0-G1 | |
| S2 | 120-277 | 43 | | 60 | 65 | 70 | 7 963 | 123 | 54 000 | 9 000 | 0.99 | 11 | B4-U0-G1 | |
| | 347 | 41 | | 60 | 60 | 70 | 8 533 | 146 | 54 000 | 9 000 | 0.98 | 11 | B4-U0-G1 | |
| S1 | 120-277 | Drop Lens | | 42 | 40 | 45 | 70 | 5 963 | 140 | 54 000 | 9 000 | 1.00 | 13 | B4-U0-G1 |
| | 347 | | | 37 | 40 | 40 | 70 | 5 164 | 130 | 54 000 | 9 000 | 0.97 | 13 | B4-U0-G1 |
| S2 | 120-277 | | 43 | 60 | 65 | 70 | 8 935 | 137 | 54 000 | 9 000 | 0.99 | 11 | B4-U0-G1 | |
| | 347 | | 41 | 60 | 60 | 70 | 8 273 | 141 | 54 000 | 9 000 | 0.98 | 11 | B4-U0-G1 | |
| 5 000 K | | | | | | | | | | | | | | |
| S1 | 120-277 | | Diffuse | 42 | 40 | 45 | 70 | 5 767 | 128 | 54 000 | 9 000 | 1.00 | 16 | B4-U0-G1 |
| | 347 | 37 | | 40 | 40 | 70 | 5 248 | 133 | 54 000 | 9 000 | 0.89 | 16 | B4-U0-G1 | |
| S2 | 120-277 | 43 | | 60 | 65 | 70 | 8 642 | 133 | 54 000 | 9 000 | 0.99 | 9 | B4-U0-G1 | |
| | 347 | 41 | | 60 | 60 | 70 | 8 539 | 146 | 54 000 | 9 000 | 0.89 | 9 | B4-U0-G1 | |
| S1 | 120-277 | Drop Lens | | 42 | 40 | 45 | 70 | 5 760 | 137 | 54 000 | 9 000 | 1.00 | 13 | B4-U0-G1 |
| | 347 | | | 37 | 40 | 40 | 70 | 5 063 | 129 | 54 000 | 9 000 | 0.97 | 13 | B4-U0-G1 |
| S2 | 120-277 | | 43 | 60 | 65 | 70 | 8 961 | 138 | 54 000 | 9 000 | 0.99 | 11 | B4-U0-G1 | |
| | 347 | | 41 | 60 | 60 | 70 | 8 262 | 141 | 54 000 | 9 000 | 0.98 | 11 | B4-U0-G1 | |

PHOTOMETRIC DATA¹

CDA-LS1-W-C/40K-T • 6 289.0 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 1 829.0 | 29.1% |
| 0-40 | 3 018.5 | 48% |
| 0-60 | 5 338.3 | 84.9% |
| 60-90 | 950.6 | 15.1% |
| 0-90 | 6 289.0 | 100% |

Illuminance at a distance

| Center beam fc | | Beam width | |
|----------------|---------|------------|-------|
| 1.7' | 804 fc | 5.1' | 5.0' |
| 3.3' | 213 fc | 9.9' | 9.6' |
| 5.0' | 93.0 fc | 14.9' | 14.6' |
| 6.7' | 51.8 fc | 20.0' | 19.5' |
| 8.3' | 33.7 fc | 24.8' | 24.2' |
| 10.0' | 23.2 fc | 29.9' | 29.2' |

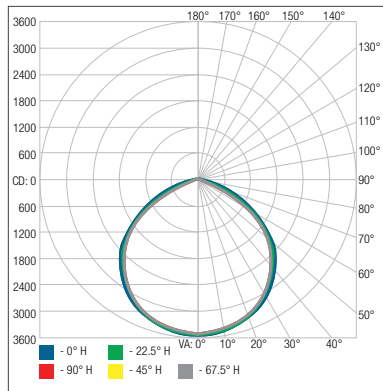
■ Vert. spread: 112.4°
■ Horiz. spread: 111.1°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹ (cont'd)

CDA-LS2-W-C/40K-T • 9 337.9 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 2 777.8 | 29.7% |
| 0-40 | 4 572.2 | 49% |
| 0-60 | 8 007.4 | 85.8% |
| 60-90 | 1 330.4 | 14.2% |
| 0-90 | 9 337.9 | 100% |

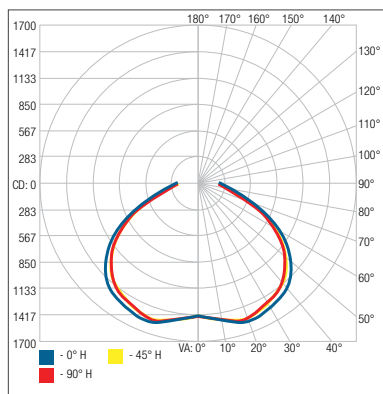
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|-------|
| | 5.1' | 4.7' |
| 1.7' | 1 230 fc | 9.9' |
| 3.3' | 326 fc | 15.1' |
| 5.0' | 142 fc | 20.2' |
| 6.7' | 79.2 fc | 25.0' |
| 8.3' | 51.6 fc | 30.1' |
| 10.0' | 35.5 fc | 30.1' |

Vert. spread: 112.8°
Horiz. spread: 108.2°

CDA-LS1-W-C/40K-L • 5 962.9 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 1 294.9 | 21.7% |
| 0-40 | 2 236.8 | 37.5% |
| 0-60 | 4 340.1 | 72.8% |
| 60-90 | 1 622.8 | 27.2% |
| 0-90 | 5 962.9 | 100% |

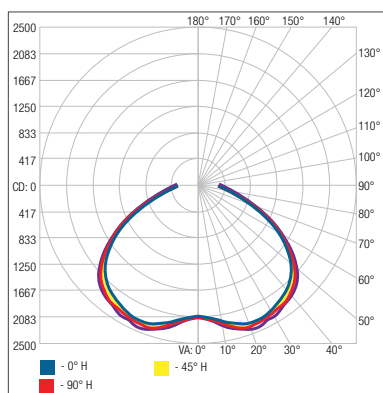
Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|--------|
| | 67.0' | 73.8' |
| 1.7' | 4.98 fc | 134.1' |
| 3.3' | 1.24 fc | 201.1' |
| 5.0' | 0.55 fc | 268.2' |
| 6.7' | 0.31 fc | 335.2' |
| 8.3' | 0.20 fc | 402.3' |
| 10.0' | 0.14 fc | 402.3' |

Vert. spread: 126.2°
Horiz. spread: 130.5°

CDA-LS2-W-C/40K-L • 8 934.6 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|-------|---------|-----------|
| 0-30 | 1 940.3 | 21.7% |
| 0-40 | 3 359.0 | 37.6% |
| 0-60 | 6 502.7 | 72.8% |
| 60-90 | 2 431.9 | 27.2% |
| 0-90 | 8 934.6 | 100% |

Illuminance at a distance

| Center beam fc | Beam width | |
|----------------|------------|--------|
| | 67.6' | 67.8' |
| 1.7' | 7.21 fc | 135.3' |
| 3.3' | 1.80 fc | 202.9' |
| 5.0' | 0.80 fc | 270.6' |
| 6.7' | 0.45 fc | 338.2' |
| 8.3' | 0.29 fc | 405.9' |
| 10.0' | 0.20 fc | 406.8' |

Vert. spread: 126.6°
Horiz. spread: 126.7°

¹ Complete IES files available on our website.

RMY

HAZARDOUS LOCATION

Class I, Division 1 & 2, Groups C & D, Zone 1 & 2, Groups IIA & IIB

AC, AC/DC

120/347 VAC Input

The RMY series of hazardous location running man signs are designed to meet and exceed the most stringent code requirements. The housings are made from copper free, heavy-duty die cast aluminum. The frame and faceplate(s) are manufactured in heavy gauge steel with a white, powder coating finish. The signs can be specified to suit a variety of mounting options including ceiling, wall and pendant mount.

FEATURES AND SPECIFICATIONS

- **Circuitry - AC & AC/DC**

- LED ultra bright light source
- Input voltages 120/347 VAC
- Emergency back-up voltage : 6 V, 12 V or 24 VDC

- **Mechanical**

- Die cast, copper free aluminum, white or raw aluminum finish (depends on rating/type)
- Steel Running man sign, white powder coat finish standard
- Wiring pre-pulled through fixture
- Wall and ceiling models c/w integrated die cast junction box
- Junction box c/w oversized integral mounting holes and tapped and plugged rigid holes
- Comes standard with a transfer panel for hazardous locations
- TSFN enclosure must be installed/located outside the classified hazardous location
- Temperature code: T6

- **Approvals**

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- CSA Certified to C860-11
- Class I, Division 1 & 2, Groups C & D
- Class I, Zone 1 & 2, Groups IIA & IIB

- **Compliance**

- Meets requirements of ICES-005



OVERVIEW

| | |
|---------------------|-----------|
| Light source | LED |
| Input voltage (VAC) | 120/347 |
| Input power (W) | 4.8 |
| DC Volts (VDC) | 6, 12, 24 |
| DC power (W) | 3.4 |



LED
fixture



hazardous
location



ICES
005

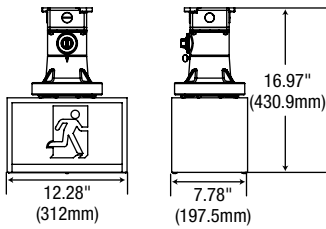


ORDERING GUIDE

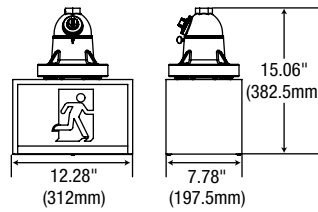
| RMY | | 1 | 1 | CD | | | |
|------------|------------------------------------|----------|----------|-----------|---|---|---|
| Series | Nbr of faces | Class | Div. | Group | DC Volts (V) | Mounting | Options |
| RMY | 1 - Single face 2 - Double face | 1 | 1 | C D | Blank - AC only 06 - 6 12 - 12 24 - 24 | CM - Ceiling mount PM - Pendant mount WM - Wall mount | OP - Special wording or graphic 0 - No indicators (double face only) ↓ ↑ ↗ ↘ ↙ ↘ D U UR DR DL UL |

MOUNTING

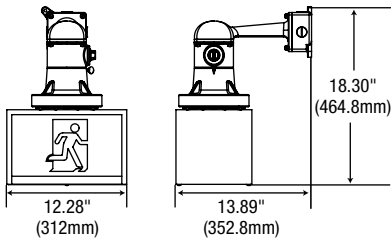
CEILING



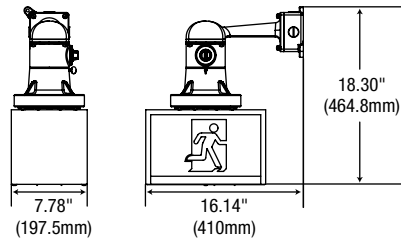
PENDANT



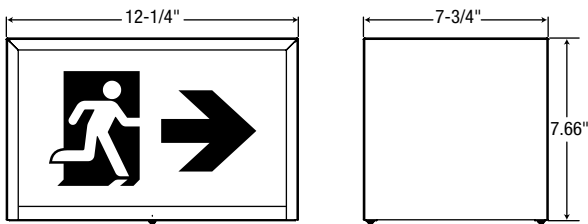
WALL - SINGLE FACE



WALL - DOUBLE FACE



DIMENSIONS



CONFIGURATIONS



Comes standard with three pictogram legends for direction selection.



SLEXY-SLSRY

HAZARDOUS LOCATION

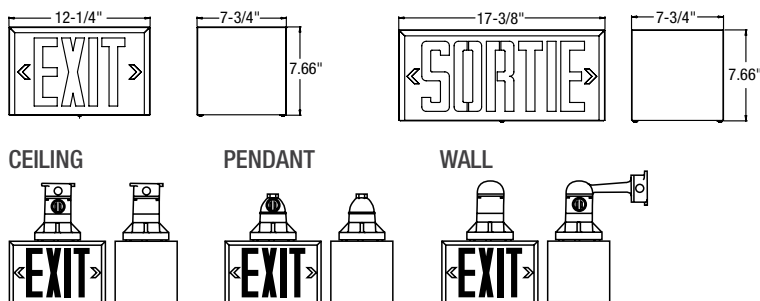
Class I, Division 1, Groups C & D, Zone 1 & 2, Groups IIA & IIB
 AC, AC/DC
 120/347VAC Input

The SLEXY and SLSRY series of hazardous location exit signs is designed to meet and exceed the most stringent code requirements. The housings are made from copper free, heavy-duty die cast aluminum. The frame and faceplate(s) are manufactured in heavy gauge steel with a white, powder coating finish. The signs can be specified to suit a variety of mounting options including ceiling, wall and pendant mount.

FEATURES AND SPECIFICATIONS

- **Circuitry - AC & AC/DC**
 - LED ultra bright light source
 - Input voltages 120/347VAC
 - Emergency back-up vorage: 6V, 12V or 24VDC
- **Mechanical**
 - Die cast, copper free aluminum, white or raw aluminum finish
 - Steel exit sign, white powder coat finish standard
 - Snap out directional chevrons/arrows
 - Wiring pre-pulled through fixture
 - Wall and ceiling models c/w integrated die cast junction box
 - Junction box c/w oversized integral mounting holes and tapped and plugged rigid holes
 - Comes with a transfer panel for hazardous locations (for AC/DC versions)
 - TSFN enclosure must be installed/located outside the classified hazardous location
 - Temperature code: T6
- **Approvals**
 - CSA Certified to C22.2 #137
 - CSA Certified to C22.2 #141-15
 - CSA Certified to C860-11
 - Class I, Division 1, Groups C & D
 - Class I, Zone 1 & 2, Groups IIA & IIB

MOUNTING & DIMENSIONS



ORDERING GUIDE

| Series | Nbr of faces | Class | Div. | Group | DC Voltage | Mounting | Options [†] |
|----------------|-----------------|-------|------|-------|---------------------------------|---------------------------------------|---|
| SLEXY - Exit | 1 - Single face | 1 | 1 | C | Blank - AC only | CM - Ceiling mount | OP - Special wording or graphic |
| SLSRY - Sortie | 2 - Double face | | | D | 06 - 6V 12 - 12V 24 - 24V | PM - Pendant mount WM - Wall mount | TSFN - Transfer Panel for AC & DC Signs |

[†] For detailed options descriptions, please consult the options page.



OVERVIEW

| | |
|------------------|-----------------------|
| Light source | LED |
| Input voltage | 120/347VAC |
| DC input voltage | 6VDC, 12VDC, or 24VDC |

RMH

HAZARDOUS LOCATION

Class I, Division 2, Groups A, B, C, D, Zone 2,
Groups IIA, IIB, IIC
AC, AC/DC & Self-Powered

The RMH series of Class I, Division II / Zone 2 rated running man are designed to perform in demanding hazardous applications. The unit maintains its sealed interior with a continuous integral gasket. As well LED pilot light and test switch are sealed type.

FEATURES AND SPECIFICATIONS

- **Electrical - AC/DC**
 - LED ultra bright light source
 - 120/347 VAC Input, field selectable
 - 3.6 W power consumption
 - Emergency DC wattages as follows :
6 VDC = 1.8 W, 12 VDC = 1.8 W, 24 VDC = 1.8 W
- **Electrical - Self-powered**
 - LED ultra bright light source
 - 120/347 VAC Input, field selectable
 - 4 W power consumption
 - High-performance, sealed Ni-Cad battery
 - 90 minutes emergency duration (standard)
 - Solid state transfer and battery charger
- **Mechanical**
 - Heavy-duty non-metallic, reinforced construction
 - One piece, molded and gasketed lens
 - Bottom hinged cover secured with two screws
 - One-way breather valve for release of gases and/or moisture condensation
 - All external metal hardware is stainless steel
 - Single face, wall mount only
 - Grey finish housing, white faceplate standard
- **Approvals**
 - CSA Certified to C22.2 #137
 - CSA Certified to C22.2 #141-15
 - CSA Certified to C860-11
 - Class I, Division 2, Groups A, B, C, D
 - Class I, Zone 2, Groups IIA, IIB, IIC
- **Compliance**
 - Meets requirements of ICES-005



(self powered version)

OVERVIEW

| | |
|---------------------|---------------------------------|
| Light source | LED |
| Input voltage (VAC) | 120/347 |
| Input power | 3.6 W AC/DC 4 W self-powered |
| DC Voltage (VDC) | 6, 12, 24 |
| DC power (W) | 1.8 |



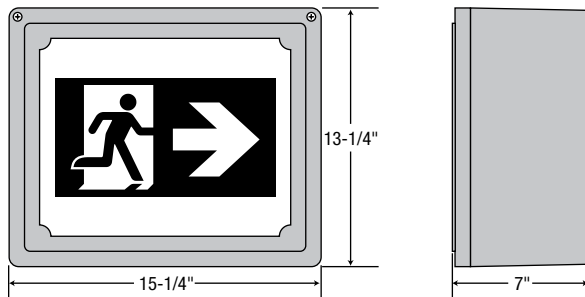
ORDERING GUIDE

| RMH | 1 | GY | | |
|------------|-----------------|-----------|--|---------------------|
| Series | Nbr of faces | Color | DC Volts (VDC) | Options |
| RMH | 1 - Single face | GY - Grey | UDC - Universal DC backup voltage from 6 to 24 IB - Self-powered for 90 minutes | D U UR DR DL UL |

TEMPERATURE CODES

| | 25°C | 40°C |
|-----|------|------|
| UDC | T6 | T6 |
| IB | T6 | T5 |

DIMENSIONS



CONFIGURATION



Comes standard (single face) with three pictogram legends for direction selection.

PRMY

HAZARDOUS LOCATION RUNNING MAN COMBO

Class I, Division 1, Groups C & D, Zone 1 & 2, Groups IIA & IIB 6 VDC, 12 VDC or 24 VDC Models 120 or 347 VAC Input

Designed to meet the strictest codes and standards, the PRMY series of hazardous location combination running man signs and battery units provides safe and dependable operation. The PRMY series housings are built with die cast, copper free aluminum, in Class I and Division 1 rated models. Available in 6, 12 or 24 VDC models in a range of capacities from 36 to 320 W, for 30 minutes duration.

FEATURES AND SPECIFICATIONS

• Circuitry - AC

- LED ultra bright light source
- Range of input voltages is 120 or 347 VAC field selectable
- 6 VDC, 12 VDC or 24 VDC emergency power output versions (as specified)
- Wattage capacities from 36 to 320 watts
- Power consumption for LED sign of 4.8 W
- Optional external momentary push button test switch
- Diagnostic/pilot LED for AC ON
- Fully automatic, current limited charger
- Brownout and short circuit protection
- Temperature compensated
- Large magnum terminal screw type connectors for remote load connection
- Maintenance free, sealed lead acid battery

• Mechanical

- Die cast, copper free aluminum housing - grey finish
- Solid state design and construction
- Housing cavity accessed via large circular screw on/off cover plate
- Standard stainless steel one-way breather valve for release of gases and/or moisture condensation
- Housing c/w tapped and plugged rigid holes
- Oversized integral mounting holes/forks accept heavy-duty mounting hardware
- Steel running man sign, white powder coat finish standard
- Temperature code: T6

• Approvals

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- CSA Certified to C860-11
- Class I, Division 1, Groups C & D
- Class I, Zone 1 & 2, Groups IIA & IIB

• Compliance

- Meets requirements of ICES-005



OVERVIEW

| | |
|----------------------------|--------------|
| Light source | LED |
| Input voltage (VAC) | 120 or 347 |
| Sign Power consumption (W) | 4.8 |
| Sign DC consumption (W) | 3.4 |
| DC voltage (VDC) | 6, 12, or 24 |
| Output power (W) | 36 - 320 |



LED
fixture



hazardous
location



ICES
005



Energy Verified
Energie Vérifiée

ORDERING GUIDE

| PRMY | | | | 1 | 1 | CD | — | 1R | | / | |
|--------|------------------------------|------------------------|------------------------------------|-------|------|--------|------------------|--|--------------------------|--|--|
| Series | Volts (V) | Watts (W) | Nbr of faces | Class | Div. | Group | Head | Lamp/Head | Lamp | Options | |
| PRMY | 06 - 6 12 - 12 24 - 24 | See model rating below | 1 - Single face 2 - Double face | 1 | 1 | C D | 1R - Single head | 1L - Single lamp assembly 2L - Double lamp assembly | See lamp selection below | 0 - No indicators (double face only) ↓ ↑ ↗ ↘ ↙ ↘ D U UR DR DL UL | |

LAMP SELECTION

| MR16 | 6V | 12V | 24V |
|------|----------|--------------------|--------------------|
| LED | 4LR, 5LA | 4LR, 5LA, 6LA, 7LA | 4LR, 5LA, 6LA, 7LA |

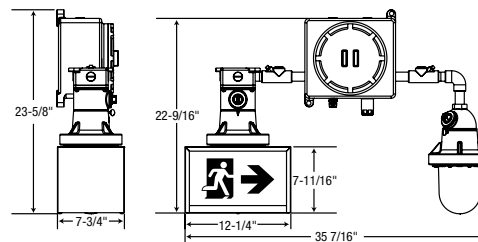
MODEL RATINGS

| Model | Volts (V) | Wattage capacities (W) | | | | Housing dimensions (in.) |
|-----------|-----------|------------------------|---------|---------|----------|--------------------------|
| | | 30 min. | 60 min. | 90 min. | 120 min. | |
| PRMY06036 | 6 | 36 | 18 | 12 | 9 | A : 10.63 x 9.25 x 6.75 |
| PRMY06050 | 6 | 50 | 25 | 16 | 12 | A : 10.63 x 9.25 x 6.75 |
| PRMY06072 | 6 | 72 | 36 | 24 | 18 | A : 10.63 x 9.25 x 6.75 |
| PRMY12036 | 12 | 36 | 18 | 12 | 9 | A : 10.63 x 9.25 x 6.75 |
| PRMY12050 | 12 | 50 | 25 | 16 | 12 | A : 10.63 x 9.25 x 6.75 |
| PRMY12072 | 12 | 72 | 36 | 24 | 18 | A : 10.63 x 9.25 x 6.75 |
| PRMY12100 | 12 | 100 | 50 | 33 | 25 | B : 12.44 x 12.44 x 8.44 |
| PRMY12160 | 12 | 160 | 80 | 55 | 40 | B : 12.44 x 12.44 x 8.44 |
| PRMY12200 | 12 | 200 | 100 | 75 | 50 | B : 12.44 x 12.44 x 8.44 |
| PRMY24144 | 24 | 144 | 72 | 48 | 36 | B : 12.44 x 12.44 x 8.44 |
| PRMY24320 | 24 | 320 | 160 | 106 | 80 | B : 12.44 x 12.44 x 8.44 |

SPACING GUIDE

| Mounting height | Spacing center to center (ft) | | | |
|-----------------|-------------------------------|-----|-----|-----|
| | 4LR | 5LA | 6LA | 7LA |
| 8 ft | 76 | 81 | 94 | 108 |
| 10 ft | 79 | 79 | 93 | 106 |
| 15 ft | 66 | 62 | 82 | 96 |
| 20 ft | 53 | 49 | 73 | 87 |

DIMENSIONS



HOUSING DIMENSIONS
 A - 10.63" x 9.25" x 6.75"
 B - 12.44" x 12.44" x 8.44"

CONFIGURATION



Comes standard (single face) with three pictogram legends for direction selection.

SPEXY-SPSRY

HAZARDOUS LOCATION COMBO EXIT/SORTIE

Class I, Division 1, Groups C & D, Zone 1 & 2, Groups IIA & IIB

Designed to meet the strictest codes and standards, the SPEXY-SPSRY series of hazardous location combination Exit/Sortie signs and battery units provides safe and dependable operation. The SPEXY-SPSRY series housings are built with die cast, copper free aluminum, in Class I and Division 1 rated models. Available in 6VDC, 12VDC or 24VDC models in a range of capacities from 36 to 320 watts, for 30 minutes duration.

FEATURES AND SPECIFICATIONS

• Circuitry - AC

- LED ultra bright light source
- Range of input voltages is 120 or 347VAC field selectable
- 6VDC, 12VDC or 24VDC emergency power output versions (as specified)
- Wattage capacities from 36 to 320 watts
- Power consumption for LED sign of 3.6W
- Optional external momentary push button test switch
- Diagnostic/pilot LED for AC ON
- Fully automatic, current limited charger
- Brownout and short circuit protection
- Temperature compensated
- Large magnum terminal screw type connectors for remote load connection
- Maintenance free, sealed lead acid battery

• Mechanical

- Die cast, copper free aluminum housing - grey finish
- Solid state design and construction
- Housing cavity accessed via large circular screw on/off cover plate
- Standard stainless steel one-way breather valve for release of gases and/or moisture condensation
- Housing c/w tapped and plugged rigid holes
- Oversized integral mounting holes/forks accept heavy-duty mounting hardware
- Steel Exit/Sortie sign, white powder coat finish standard
- Universal faces
- Temperature code: T6

• Approvals

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- CSA Certified to C860-11
- Class I, Division 1, Groups C & D
- Class I, Zone 1 & 2, Groups IIA & IIB



OVERVIEW

| | |
|----------------------------|----------------------|
| Light source | LED |
| Input voltage | 120 or 347VAC |
| Output voltage | 6VDC, 12VDC or 24VDC |
| Output power | 36W - 320W |
| LED sign power consumption | 3.6W |



LED
fixture



hazardous
location



ORDERING GUIDE

| | | | | 1 | 1 | CD | — | 1R | | |
|--------------------------------|---------------------------------------|------------------------|------------------------------------|-------|------|--------|------------------|--|--------------------------------|--|
| Series | Voltage | Wattage | Nbr of faces | Class | Div. | Group | Head | Head/Lamp | Lamp | |
| SPEXY - Exit SPSRY - Sortie | 06 - 6VDC 12 - 12VDC 24 - 24VDC | See model rating below | 1 - Single face 2 - Double face | 1 | 1 | C D | 1R - Single head | 1L - Single lamp assembly 2L - Double lamp assembly | See lamp selection chart below | |

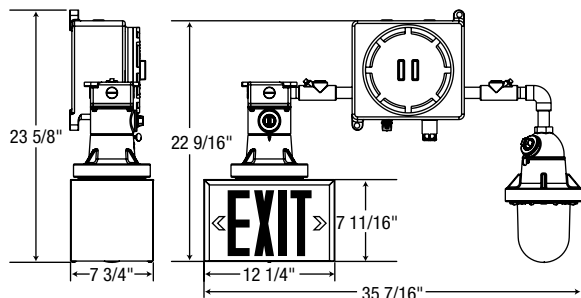
LAMP SELECTION

| | 6 volts | 12 volts | 24 volts |
|-----|-------------|--------------------|--------------------|
| | MR16 | | |
| LED | 4LR, 5LA | 4LR, 5LA, 6LA, 7LA | 4LR, 5LA, 6LA, 7LA |

MODEL RATINGS AND DIMENSIONS

| Wattage capacities | | | | | | |
|--------------------|------------|---------|---------|---------|--------------------|----------------------------|
| Model | Voltage | 30 min. | 60 min. | 90 min. | Housing dimensions | |
| SPEXY06036 | SPSRY06036 | 06VDC | 36 | 18 | 12 | A: 10.63" x 9.25" x 6.75" |
| SPEXY06050 | SPSRY06050 | 06VDC | 50 | 25 | 16 | A: 10.63" x 9.25" x 6.75" |
| SPEXY06072 | SPSRY06072 | 06VDC | 72 | 36 | 24 | A: 10.63" x 9.25" x 6.75" |
| SPEXY12036 | SPSRY12036 | 12VDC | 36 | 18 | 12 | A: 10.63" x 9.25" x 6.75" |
| SPEXY12050 | SPSRY12050 | 12VDC | 50 | 25 | 16 | A: 10.63" x 9.25" x 6.75" |
| SPEXY12072 | SPSRY12072 | 12VDC | 72 | 36 | 24 | A: 10.63" x 9.25" x 6.75" |
| SPEXY12100 | SPSRY12100 | 12VDC | 100 | 50 | 33 | B: 12.44" x 12.44" x 8.44" |
| SPEXY12160 | SPSRY12160 | 12VDC | 160 | 80 | 55 | B: 12.44" x 12.44" x 8.44" |
| SPEXY12200 | SPSRY12200 | 12VDC | 200 | 100 | 75 | B: 12.44" x 12.44" x 8.44" |
| SPEXY24144 | SPSRY24144 | 24VDC | 144 | 72 | 48 | B: 12.44" x 12.44" x 8.44" |
| SPEXY24320 | SPSRY24320 | 24VDC | 320 | 160 | 106 | B: 12.44" x 12.44" x 8.44" |

DIMENSIONS



HOUSING DIMENSIONS

A - 10.63" x 9.25" x 6.75"
B - 12.44" x 12.44" x 8.44"

PRMH

HAZARDOUS LOCATION COMBO

Class I, Division 2, Groups A, B, C, D, Zone 2,
Groups IIA, IIB, IIC
12 V DC, 36-200 W

The PRMH series of Class I, Division II/Zone 2 rated running man combos is designed to perform in demanding hazardous applications. The unit maintains its sealed interior with a continuous integral gasket. As well LED pilot light and test switch are sealed type. The breather, pilot light and test switch have all been mounted into the bottom of the enclosure to allow for quick and simple visual inspection and maintenance testing from below.

FEATURES AND SPECIFICATIONS

• Circuitry

- LED ultra bright light source
- 120/347 V AC Input, field selectable
- 12 V DC emergency voltage output
- Wattage capacities from 36 to 200 watts
- 30 minutes emergency power duration standard
- Sealed momentary push button test switch
- Diagnostic/pilot LED for AC ON
- Fully automatic, current limited charger
- Solid state design and construction with brownout and short circuit protection
- Temperature compensated
- Large terminal strip connector all electrical connections - AC and DC
- Maintenance free, sealed lead acid battery

• Mechanical

- Heavy-duty non-metallic, reinforced construction
- One piece, molded and gasketed lens
- Bottom hinged cover secured with two screws
- One-way breather valve for release of gases and/or moisture condensation
- All external metal hardware is stainless steel
- Single face, wall mount only
- Grey finish housing, white faceplate standard

• Approvals

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- CSA Certified to C860-11
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2, Groups IIA, IIB, IIC

• Compliance

- Meets requirements of ICES-005



BOTTOM VIEW

- 1- AC ON PILOT LED
- 2- BREATHER VALVE
- 3- TEST SWITCH

OVERVIEW

| | |
|----------------------------|----------|
| Light source | LED |
| Input voltage (V AC) | 120/347 |
| Sign Power consumption (W) | 3.6 |
| Sign DC consumption (W) | 1.8 |
| Output voltage (V DC) | 12 |
| Output power (W) | 36 - 200 |



LED
fixture



hazardous
location




ICES
005



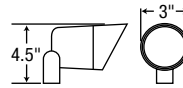
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Energie Verifieed

ORDERING GUIDE

| PRMH | 1 | | | | GY | / |
|--------|-----------------|------------------------|--|--------------------------------|-----------|---|
| Series | Nbr of faces | Wattage | Head/Lamp | Lamp | Colour | Options |
| PRMH | 1 - Single face | See model rating below | 0 - No heads 1D - One MR16 Weather-Proof 2D - Two MR16 Weather-Proof | See lamp selection chart below | GY - Grey |  |

LAMP SELECTION

| MR16 • Small head c/w MR16 Lamp | 12 V |
|---------------------------------|--------------------|
| Quartz Halogen | 12Q, 20Q |
| LED | 4LR, 5LA, 6LA, 7LA |



TYPE D - MR16

Die cast
20W max.

SPACING GUIDE

| Mounting height | Spacing center to center (ft) | | | |
|-----------------|-------------------------------|-----|-----|-----|
| | 4LR | 5LA | 6LA | 7LA |
| 8 ft | 76 | 81 | 94 | 108 |
| 10 ft | 79 | 79 | 93 | 106 |
| 15 ft | 66 | 62 | 82 | 96 |
| 20 ft | 53 | 49 | 73 | 87 |

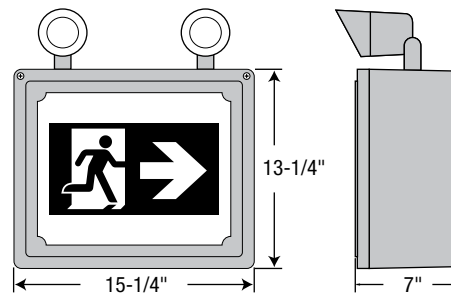


Comes standard (single face) with three pictogram legends for direction selection.

TEMPERATURE CODES

| Head/Lamp | Temperature code (25°C) | Temperature code (40°C) |
|-----------|-------------------------|-------------------------|
| 00 | T5 | T4A |
| D4L | T5 | T4A |
| D5L | T3C | T3B |
| D6L | T4 | T3C |
| D7L | T4 | T3C |
| D8Q | T4 | T3C |
| D10Q | T3C | T3B |
| D12Q | T3C | T3B |
| D20Q | T2D | T2C |
| D35Q | T2B | T2A |
| D50Q | T1 | T1 |

DIMENSIONS



MODEL RATINGS

| Model | Volts (V) | Wattage capacities (W) | | | |
|-----------|-----------|------------------------|---------|---------|----------|
| | | 30 min. | 60 min. | 90 min. | 120 min. |
| PRMH_1036 | 12 | 36 | 18 | 12 | 9 |
| PRMH_1050 | 12 | 50 | 25 | 16 | 12 |
| PRMH_1072 | 12 | 72 | 36 | 24 | 18 |
| PRMH_1100 | 12 | 100 | 50 | 33 | 25 |
| PRMH_1160 | 12 | 160 | 80 | 53 | 40 |
| PRMH_1200 | 12 | 200 | 100 | 66 | 50 |

SPEXH

HAZARDOUS LOCATION EXIT

Class I, Division 2, Groups A, B, C, D, Zone 2,
Groups IIA, IIB, IIC
12 V DC, 36 - 200 Watts

The SPEXH series of Class I, Division II/Zone 2 rated exit combos is designed to perform in demanding hazardous applications. The unit maintains its sealed interior with a continuous integral gasket. As well LED pilot light and test switch are sealed type. The breather, pilot light and test switch have all been mounted into the bottom of the enclosure to allow for quick and simple visual inspection and maintenance testing from below.

FEATURES AND SPECIFICATIONS

• Circuitry

- LED ultra bright light source
- 120/347 V AC Input, field selectable
- 12 V DC emergency power output
- Wattage capacities from 36 to 200 watts
- 30 minutes emergency power duration standard
- Sealed momentary push button test switch
- Diagnostic/pilot LED for AC ON
- Fully automatic, current limited charger
- Solid state design and construction with brownout and short circuit protection
- Temperature compensated
- Large terminal strip connector all electrical connections - AC and DC
- Maintenance free, sealed lead acid battery

• Mechanical

- Heavy-duty non-metallic, reinforced construction
- One piece, molded and gasketed lens
- Removable directional chevrons/arrows
- Bottom hinged cover secured with two screws
- One-way breather valve for release of gases and/or moisture condensation
- All external metal hardware is stainless steel
- Single face, wall mount only
- Grey finish housing, white faceplate standard

• Approvals

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- CSA Certified to C860-11
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2, Groups IIA, IIB, IIC



BOTTOM VIEW

- 1- AC ON PILOT LED
- 2- BREATHER VALVE
- 3- TEST SWITCH

OVERVIEW

| | |
|----------------|--------------|
| Light source | LED |
| Input voltage | 120/347 V AC |
| Output voltage | 12 V DC |
| Output power | 36W - 200 W |



LED
fixture



hazardous
location



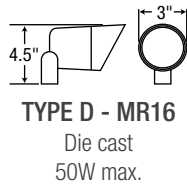
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Energie Vérifiée

ORDERING GUIDE

| SPEXH | 1 | | 1 | | |
|--------------|-------------|------------------------|-----------------|--|--------------------------------|
| Series | Voltage | Wattage | Face | Head/Lamp | Lamp |
| SPEXH | 1 - 12 V DC | See model rating below | 1 - Single face | 00 - No heads 1D - One MR16 Weather-Proof 2D - Two MR16 Weather-Proof | See lamp selection chart below |

LAMP SELECTION

| 12 Volts | |
|---------------------------------|--------------------|
| MR16 - Small head c/w MR16 Lamp | |
| Quartz Halogen | 12Q, 20Q |
| LED | 4LR, 5LA, 6LA, 7LA |



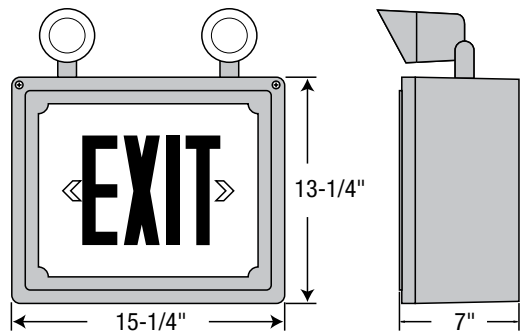
TEMPERATURE CODES

| Head/Lamp | Temperature code (25°C) | Temperature code (40°C) |
|-----------|-------------------------|-------------------------|
| 00 | T5 | T4A |
| D4L | T5 | T4A |
| D5L | T3C | T3B |
| D6L | T4 | T3C |
| D7L | T4 | T3C |
| D8Q | T4 | T3C |
| D10Q | T3C | T3B |
| D12Q | T3C | T3B |
| D20Q | T2D | T2C |
| D35Q | T2B | T2A |
| D50Q | T1 | T1 |

MODEL RATINGS

| Wattage capacities | | | | |
|--------------------|---------|---------|---------|---------|
| Model | Voltage | 30 min. | 60 min. | 90 min. |
| SPEXH10361 | 12 V DC | 36 | 18 | 12 |
| SPEXH10501 | 12 V DC | 50 | 25 | 16 |
| SPEXH10721 | 12 V DC | 72 | 36 | 24 |
| SPEXH11001 | 12 V DC | 100 | 50 | 33 |
| SPEXH11601 | 12 V DC | 160 | 80 | 53 |
| SPEXH12001 | 12 V DC | 200 | 100 | 66 |

DIMENSIONS



SLEXH

HAZARDOUS LOCATION EXIT

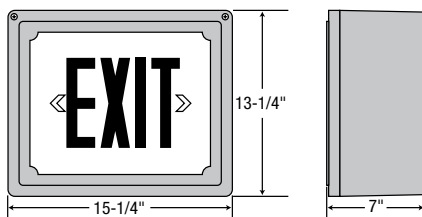
Class I, Division 2, Groups A, B, C, D, Zone 2,
Groups IIA, IIB, IIC
AC/DC & Self-Powered

The SLEXH series of Class I, Division II/Zone 2 rated exits is designed to perform in demanding hazardous applications. The unit maintains its sealed interior with a continuous integral gasket. As well any LED pilot light or test switch are sealed type.

FEATURES AND SPECIFICATIONS

- **Electrical - AC/DC**
 - LED ultra bright light source
 - 120/347VAC Input, field selectable
 - 2.8W power consumption single face
 - Emergency DC wattages as follows:
6VDC = 1.9W 12VDC = 2.9W 24VDC = 7W
- **Electrical - Self-powered**
 - LED ultra bright light source
 - 120/347VAC Input, field selectable
 - 9.5W power consumption Single face
 - High-performance, sealed Ni-Cad battery
 - 90 minutes emergency duration (standard)
 - Solid state transfer and battery charger
- **Mechanical**
 - Heavy-duty non-metallic, reinforced construction
 - One piece, molded and gasketed lens
 - Removable directional chevrons/arrows
 - Bottom hinged cover secured with two screws
 - One-way breather valve for release of gases and/or moisture condensation
 - All external metal hardware is stainless steel and steel screws
 - Single face, wall mount only
 - Grey finish housing, white faceplate standard
- **Approvals**
 - CSA Certified to C22.2 #137
 - CSA Certified to C22.2 #141-15
 - CSA Certified to C860-11
 - Class I, Division 2, Groups A, B, C, D
 - Class I, Zone 2, Groups IIA, IIB, IIC

DIMENSIONS



ORDERING GUIDE

| SLEXH | 1 | GY | — |
|--------|-----------------|-----------|---|
| Series | Nbr of faces | Colour | Operation |
| SLEXH | 1 - Single face | GY - Grey | UDC - Universal DC backup voltage from 6 to 24VDC IB - Self-powered for 90 minutes |

TEMPERATURE CODES

| | | |
|-----|------|------|
| | 25°C | 40°C |
| UDC | T6 | T6 |
| IB | T6 | T5 |



(self powered version)



hazardous location

OVERVIEW

| | |
|--------------------|---|
| Light source | LED |
| Input voltage | 120/347V AC |
| Input power | 2.8W AC/DC single face 9.5W self-powered single face |
| DC voltage & power | 6V DC = 1.9W 12V DC = 2.9W 24V DC = 7W |

SLBXP

HAZARDOUS LOCATION BATTERY UNIT

Class I, Division 1, Groups C & D, Zone 1 & 2, Groups IIA & IIB
6, 12 or 24 VDC Models
120/347 VAC Input

Designed to meet the strictest codes and standards, the SLBXP series of hazardous location battery units provides safe and dependable operation. The SLBXP series housings are built with die cast, copper free aluminum, in a variety of Class and Division rated models. Available in 6 VDC, 12 VDC and 24 VDC models in a range of capacities from 36 W to 320 W, for 30 minutes duration.

FEATURES AND SPECIFICATIONS

• Circuitry

- Range of input voltages 120 or 347 VAC
- Single or double internal MR16 lamp assemblies
- 6 VDC, 12 VDC or 24 VDC emergency power output versions (as specified)
- Wattage capacities from 36 W to 320 W
- 30 minutes emergency power duration standard
- Diagnostic/pilot LED for AC ON
- High efficiency, rapid recovery, precision control charging system
- Brownout and short circuit protection
- Temperature compensated
- Large magnum terminal screw type connectors for remote load connection
- Maintenance free, sealed lead acid battery

• Mechanical

- Die cast, copper free aluminum housing - grey aluminum finish
- Housing cavity accessed via large circular screw on/off cover plate
- Standard stainless steel one-way breather valve for release of gases and/or moisture condensation
- Housing c/w tapped and plugged rigid holes
- Solid state design and construction
- Oversized integral mounting holes/forks accept heavy-duty mounting hardware
- Internal MR16 lamp assembly is fully adjustable
- Temperature code: T6

• Approvals

- CSA Certified to C22.2 #137
- CSA Certified to C22.2 #141-15
- Class I, Division 1, Groups C & D
- Class I, Zone 1 & 2, Groups IIA & IIB

• Compliance

- Meets requirements of ICES-005



OVERVIEW

| | |
|---------------------|-----------|
| Input voltage (VAC) | 120, 347 |
| DC voltage (VDC) | 6, 12, 24 |
| Output power (W) | 36 - 320 |



hazardous
location



ICES
005



ORDERING GUIDE

| SLBXP | | | 1 | 1 | CD | | — | | |
|--------|---------------------------|------------------------|-------|------|--------|-------------------|----------------------------|--|--------------------------|
| Series | Volts (V) | Watts | Class | Div. | Group | Input voltage (V) | Head | Lamp/Head | Lamp |
| SLBXP | 6 - 6 1 - 12 2 - 24 | See model rating below | 1 | 1 | C D | Blank - 120/347 | 1R - Single 2R - Double | 1L - Single lamp assembly 2L - Double lamp assembly | See lamp selection below |

LAMP SELECTION

| MR16 | 6 V | 12 V | 24 V |
|------|----------|--------------------|--------------------|
| LED | 4LR, 5LA | 4LR, 5LA, 6LA, 7LA | 4LR, 5LA, 6LA, 7LA |

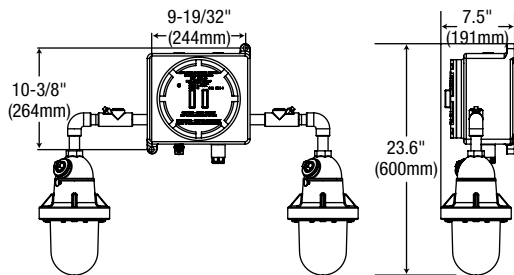
MODEL RATINGS

| Model | Housing | Volts (V) | Wattage capacities (W) | | | |
|-----------|---------|-----------|------------------------|---------|---------|----------|
| | | | 30 min. | 60 min. | 90 min. | 120 min. |
| SLBXP6036 | A | 6 | 36 | 18 | 12 | 9 |
| SLBXP6050 | A | | 50 | 25 | 16 | 12 |
| SLBXP6072 | A | | 72 | 36 | 24 | 18 |
| SLBXP1036 | A | 12 | 36 | 18 | 12 | 9 |
| SLBXP1050 | A | | 50 | 25 | 16 | 12 |
| SLBXP1072 | A | | 72 | 36 | 24 | 18 |
| SLBXP1100 | A | | 100 | 50 | 33 | 25 |
| SLBXP1160 | B | | 160 | 80 | 53 | 40 |
| SLBXP1200 | B | | 200 | 100 | 66 | 50 |
| SLBXP2144 | A | 24 | 144 | 72 | 48 | 36 |
| SLBXP2320 | B | | 320 | 160 | 106 | 80 |

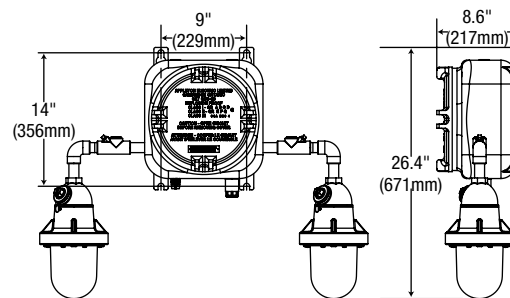
DIMENSIONS

Dimensions are subject to change according to exact Class, Division & Group specifications.

ENCLOSURE A



ENCLOSURE B



SPACING GUIDE

| Mounting height | Spacing center to center (ft) | | | |
|-----------------|-------------------------------|-----|-----|-----|
| | 4LR | 5LA | 6LA | 7LA |
| 8 ft | 76 | 81 | 94 | 108 |
| 10 ft | 79 | 79 | 93 | 106 |
| 15 ft | 66 | 62 | 82 | 96 |
| 20 ft | 53 | 49 | 73 | 87 |

SLBXP11

HAZARDOUS LOCATION BATTERY UNIT

Class I, Division 2, Groups A, B, C, D, Zone 2,
Groups IIA, IIB, IIC

The SLBXP11 series of Class I, Division II/Zone 2 rated battery units is designed to perform in demanding hazardous applications. The unit maintains its sealed interior with a continuous integral gasket. As well LED pilot light and test switch are sealed type.

FEATURES AND SPECIFICATIONS

- **Circuitry**
 - 120/347 V AC 60 Hz Input, field selectable
 - High efficiency, rapid recovery, precision control charging system
 - 12 V DC emergency voltage output
 - Wattage capacities from 36 W to 200 W
 - 30 minutes emergency power duration standard
 - Sealed momentary push button test switch
 - Diagnostic/pilot LED for AC ON
 - Fully automatic, current limited charger
 - Solid state design and construction with brownout and short circuit protection
 - Temperature compensated
 - Large terminal strip connector all electrical connections
 - Complete battery recharge in 24 hours
 - Maintenance free, sealed lead acid battery
- **Mechanical**
 - Heavy-duty non-metallic, reinforced construction
 - One piece, molded and gasketed lens
 - Bottom hinged cover, secured with two screws
 - One-way breather valve for release of gases and/or moisture condensation
 - All external metal hardware is stainless steel
 - Wall mount construction
 - Grey finish housing
 - Top head mounting is standard
- **Approvals**
 - CSA Certified to C22.2 #137
 - CSA Certified to C22.2 #141-15
 - Class I, Division 2, Groups A, B, C, D
 - Class I, Zone 2, Groups IIA, IIB, IIC
- **Compliance**
 - Meets requirements of ICES-005

OVERVIEW

| | |
|-----------------------|----------|
| Input voltage (V AC) | 120/347 |
| Output voltage (V DC) | 12 |
| Output power (W) | 36 - 200 |



BOTTOM VIEW

- 1- AC ON Pilot LED
- 2- Breather Valve
- 3- Test Switch



hazardous
location



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ORDERING GUIDE

| SLBXPII | 1 | | | |
|---------|-----------|------------------------|--|--------------------------------|
| Series | Volts (V) | Watts | Head/Lamp | Lamp |
| SLBXPII | 1 - 12 | See model rating below | 00 - No heads 1D - One MR16 Weather-Proof 2D - Two MR16 Weather-Proof | See lamp selection chart below |

LAMP SELECTION

| MR16 • Small head c/w MR16 or LED lamp | 12 V |
|--|--------------------|
| LED | 4LR, 5LA, 6LA, 7LA |
| Quartz halogen | 12Q, 20Q |

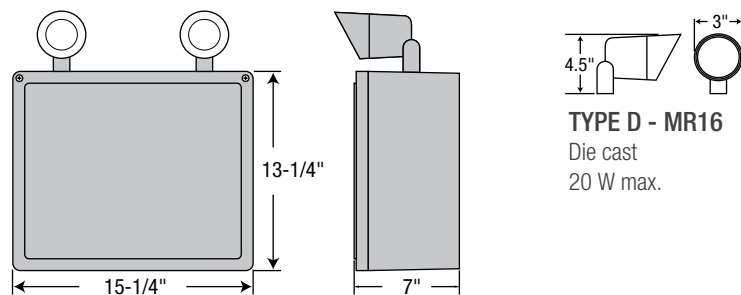
MODEL RATINGS

| Model | Volts (V) | Wattage capacities (W) | | | |
|-------------|-----------|------------------------|---------|---------|----------|
| | | 30 min. | 60 min. | 90 min. | 120 min. |
| SLBXPII1036 | 12 | 36 | 18 | 12 | 9 |
| SLBXPII1050 | | 50 | 25 | 16.5 | 12 |
| SLBXPII1072 | | 72 | 36 | 24 | 18 |
| SLBXPII1100 | | 100 | 50 | 33 | 25 |
| SLBXPII1160 | | 160 | 80 | 53 | 40 |
| SLBXPII1200 | | 200 | 100 | 66 | 50 |

TEMPERATURE CODES

| Head/Lamp | Temperature code (25°C) | Temperature code (40°C) |
|-----------|-------------------------|-------------------------|
| 00 | T5 | T4A |
| D4L | T5 | T4A |
| D5L | T3C | T3B |
| D6L | T4 | T3C |
| D7L | T4 | T3C |
| D12Q | T3C | T3B |
| D20Q | T2D | T2C |
| D35Q | T2B | T2A |
| D50Q | T1 | T1 |

DIMENSIONS



SPACING GUIDE

| Mounting height | Spacing center to center (ft) | | | |
|-----------------|-------------------------------|-----|-----|-----|
| | 4LR | 5LA | 6LA | 7LA |
| 8 ft | 76 | 81 | 94 | 108 |
| 10 ft | 79 | 79 | 93 | 106 |
| 15 ft | 66 | 62 | 82 | 96 |
| 20 ft | 53 | 49 | 73 | 87 |



SLRXP

HAZARDOUS LOCATION REMOTE FIXTURE

Class I, Division 1, Groups C & D, Zone 1 & 2, Groups IIA & IIB
6, 12 or 24 VDC Models
Wall, Ceiling or Pendant Mount

Designed to meet the strictest Codes, the SLRXP series of hazardous location remote fixtures provides safe and dependable operation. The SLRXP series housings are built with die cast, copper free aluminum, in a variety of Class and Division rated models. Available as 6 V, 12 V or 24 V models with wall, ceiling or pendant mounted configuration.

FEATURES AND SPECIFICATIONS

- **Circuitry - AC & AC/DC**
 - Single or double internal MR16 lamp assemblies
 - Quartz-halogen or LED lamps
- **Mechanical**
 - Die cast, copper free aluminum, grey finish
 - Heavy-duty Pyrex glass lens
 - Internal MR16 lamp assembly is fully adjustable
 - Wall, ceiling or pendant mounting (as specified)
 - Wiring pre-pulled through fixture
 - Wall and ceiling models c/w integrated die cast junction box
 - Junction box c/w oversized integral mounting holes and tapped and plugged rigid holes
 - Temperature code: T6
- **Approvals**
 - CSA Certified to C22.2 #137
 - CSA Certified to C22.2 #141-15
 - Class I, Division 1, Groups C & D
 - Class I, Zone 1 & 2, Groups IIA & IIB
- **Compliance**
 - Meets requirements of ICES-005



OVERVIEW

| | |
|------------------|-------------|
| Light source | Quartz, LED |
| DC voltage (VDC) | 6, 12, 24 |



ORDERING GUIDE - LED

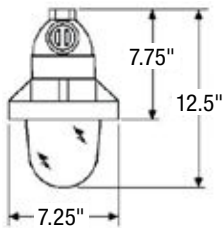
| Series | Head | Nbr of lamps | DC Volts (VDC operational) | Watts (W) | Lamp type | Mounting | Class, Div., Group | Options |
|--------|---------------------------------------|--|---------------------------------------|--------------------------------------|----------------------------------|---|---------------------------------------|---------------------------|
| SLRXP | 1 - Single 2 - Double (with J-Box) | 1 - Single lamp per head 2 - Double lamp per head | 06-24V - 6 to 24 12-24V - 12 to 54 | 4W - 4 5W - 5 6W - 6 7W - 7 | LR - LED LA - LED LA - LED | CM - Ceiling mount PM - Pendant mount WM - Wall mount | Class 1 Division 1 Groupe C & D | LGD - Die cast lens guard |

SPACING GUIDE

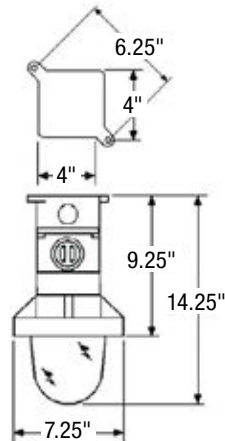
| Mounting height | Spacing center to center (ft) | | | |
|-----------------|-------------------------------|------|------|------|
| | 4WLR | 5WLA | 6WLA | 7WLA |
| 8 ft | 76 | 81 | 94 | 108 |
| 10 ft | 79 | 79 | 93 | 106 |
| 15 ft | 66 | 62 | 82 | 96 |
| 20 ft | 53 | 49 | 73 | 87 |

DIMENSIONS

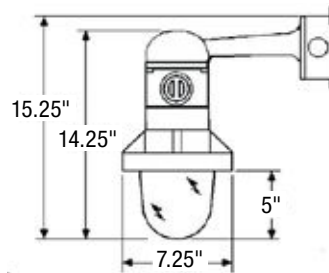
PENDANT MOUNT



CEILING MOUNT



WALL MOUNT





VC

HAZARDOUS LOCATION REMOTE FIXTURE

Class I, Division 2, Groups A, B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 6, 12 or 24 V DC models
 Wall, ceiling or pendant mount

Designed to meet the strictest Codes, the VC series of hazardous location remote fixtures provides safe and dependable operation. The VC series housings are built with die cast, copper free aluminum, in a variety of Class and Division rated models. Available as 6 V, 12 V or 24 V models with wall, ceiling or pendant mounted configuration.

FEATURES AND SPECIFICATIONS

- **Circuitry**
 - Single or double internal MR16 lamp assemblies
 - Quartz-halogen bi-pin or LED lamps
- **Mechanical**
 - Die cast, copper free aluminum, grey finish
 - Heavy-duty Pyrex glass lens
 - Internal MR16 lamp assembly is fully adjustable
 - Wall, ceiling or pendant mounting (as specified)
 - Wiring pre-pulled through fixture
 - Wall and ceiling models c/w integrated die cast junction box
 - Junction box c/w oversized integral mounting holes and tapped and plugged rigid holes
- **Approvals**
 - CSA Certified to C22.2 #137
 - CSA Certified to C22.2 #141-15
 - Class I, Division 2, Groups A, B, C, D
 - Class II, Division 1 and 2, Groups E, F, G
 - Class III
- **Compliance**
 - Meets requirements of ICES-005

OVERVIEW

| | |
|----------------------|-----------|
| Light source | LED |
| Input Voltage (V DC) | 6, 12, 24 |



ORDERING GUIDE - LED

| Series | Head | Nbr of lamps | DC Volts (V DC operational) | Watts (W) | Lamp type | Mounting | Options |
|--------|--|--|--------------------------------|--------------|-----------|---|---------------------------|
| VC | 1 - Single 2 - Double (with J-Box) | 1 - Single lamp per head 2 - Double lamp per head | 06-24V - 6 to 24 | 4W - 4 | LR - LED | CM - Ceiling mount PM - Pendant mount WM - Wall mount | LGD - Die cast lens guard |
| | | | 12-24V - 12 to 24 | 5W - 5 | LA - LED | | |
| | | | | 6W - 6 | LA - LED | | |
| | | | | 7W - 7 | | | |

TEMPERATURE CODE

| Head/Lamp | Temperature code (25°C) | Temperature code (40°C) | Simultaneous Class I, II and III |
|-----------|----------------------------|----------------------------|-------------------------------------|
| 4WLR | T3C | T3A | T2D |
| 5WLA | T3A | T3 | T2D |
| 6WLA | T3A | T3 | T2D |
| 7WLA | T3A | T3A | T2D |

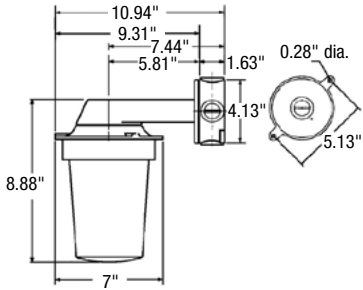
SPACING GUIDE

| Mounting height | Spacing center to center (ft) | | | |
|--------------------|-------------------------------|------|------|------|
| | 4WLR | 5WLA | 6WLA | 7WLA |
| 8 ft | 76 | 81 | 94 | 108 |
| 10 ft | 79 | 79 | 93 | 106 |
| 15 ft | 66 | 62 | 82 | 96 |
| 20 ft | 53 | 49 | 73 | 87 |

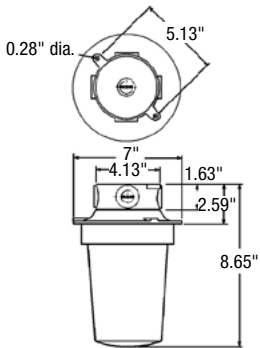
DIMENSIONS

SINGLE HEAD

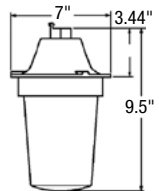
WALL MOUNT



CEILING MOUNT

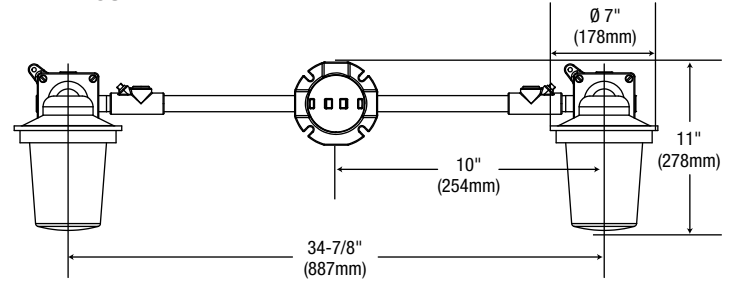


PENDANT MOUNT

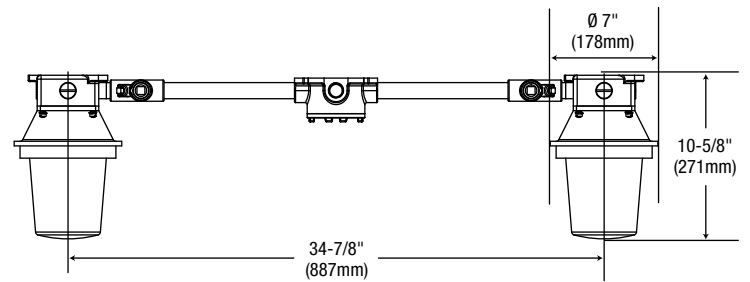
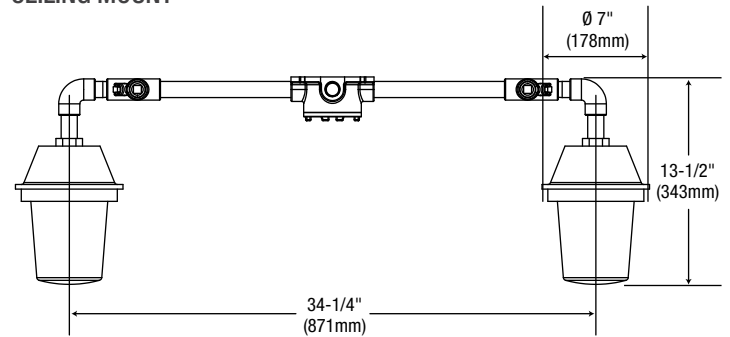


DOUBLE HEAD

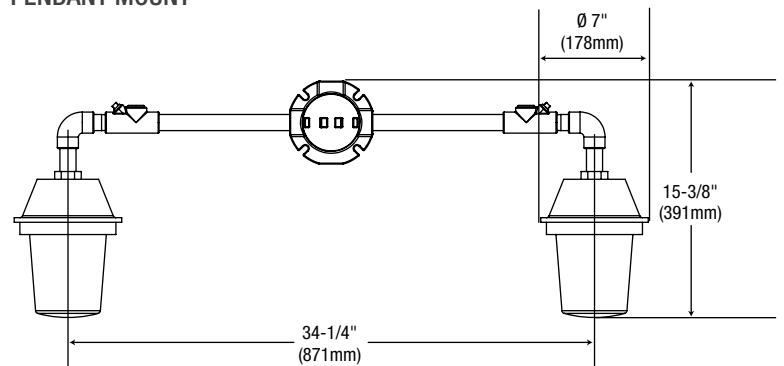
WALL MOUNT



CEILING MOUNT



PENDANT MOUNT





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