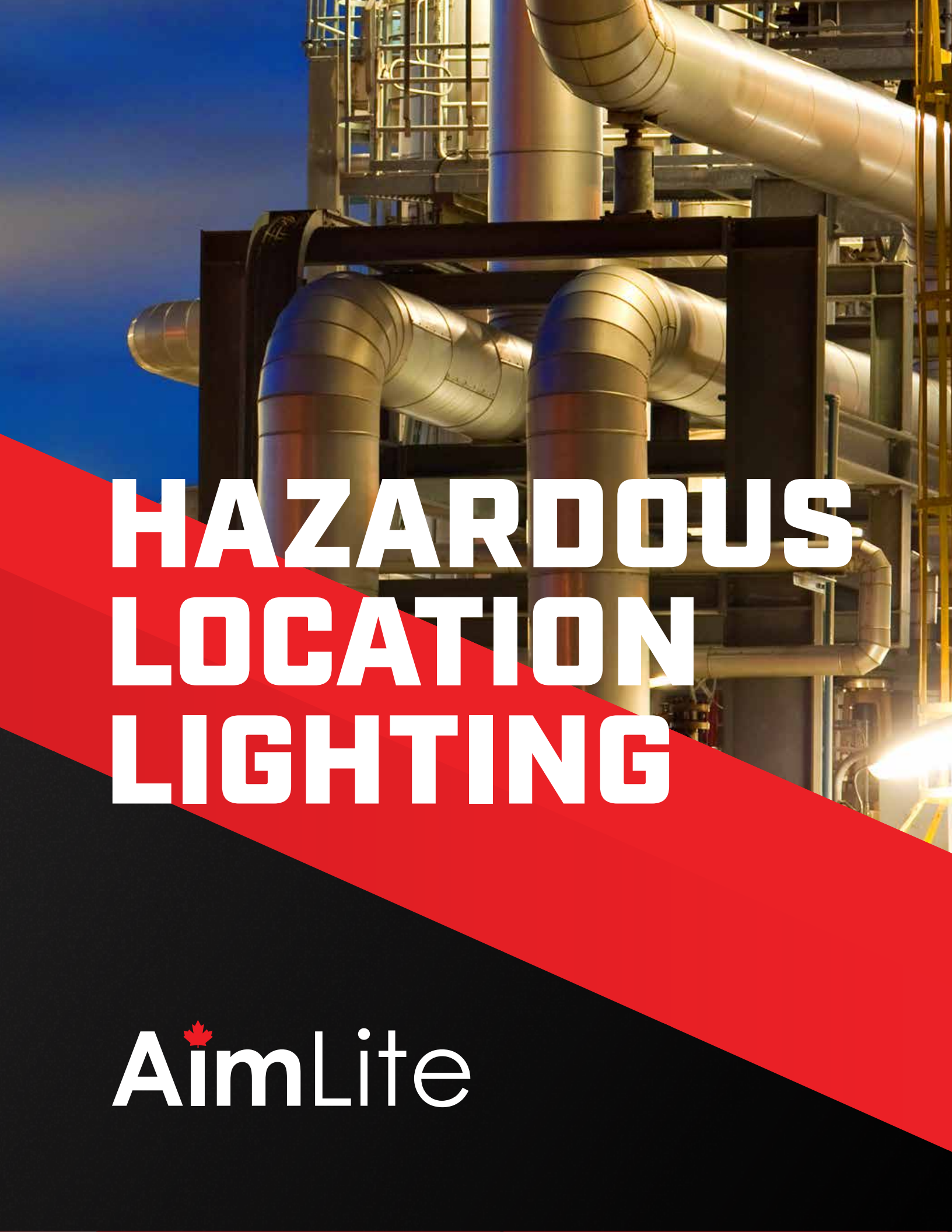




# HAZARDOUS LOCATION LIGHTING

 AimLite

# YOUR TRUSTED PARTNER



## ABOUT US

AimLite has always been a pioneer in emergency lighting and have been carrying a wide emergency lighting product offering especially designed to work in hazardous environments. Today, AimLite is capitalizing on its expertise and expanding its indoor and outdoor general lighting offering by introducing new hazardous fixtures, High Bays, Vapour Tights and Flood lights which are also designed and tested to operate in hazardous applications

Our ISO/IEC 17025 certified laboratory is qualified by CSA International under the CPC (Certification by Category) program which allows us to conduct safety and performance evaluations and to perform over 100 different tests on our products. This allows AimLite to certify new custom products quickly and launch to the market.

AimLite's target is to maintain and improve its quality through programs that enable employees to do their job right the first time and use the best suppliers that share these same values.

Our team consists of some of the most knowledgeable and recognizable people in the Canadian emergency and lighting industry.

## NEW PRODUCT DEVELOPMENT

Our engineering and marketing team is composed of specialists ranging from a variety of technical backgrounds which allows us to develop a multitude of new products to meet today's market needs and requirements. Our focus is to design innovative products at a competitive price to set ourselves ahead of our competition while maintaining industry standards such as long life and energy efficiency.

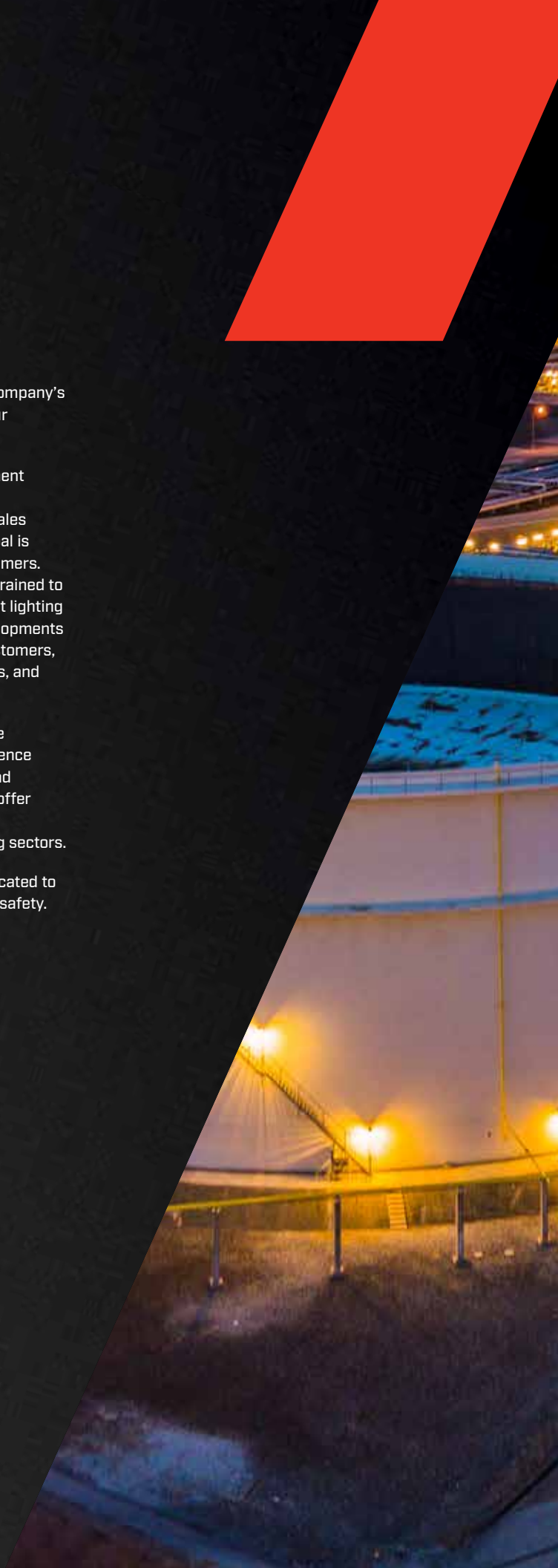
## CUSTOMER SATISFACTION

Customer satisfaction is the company's main priority: we want to be our customers' preferred supplier.

Our customer service department is comprised of highly trained, knowledgeable and bilingual sales representatives whose only goal is to meet the needs of the customers. Sales staffs are continuously trained to keep them abreast of the latest lighting trends, technologies and developments so they may actively serve customers, resolve issues, initiate changes, and teach co-workers.

Our technicians have extensive academic and practical experience with degrees in engineering and administration, allowing us to offer technical support in the retail, distribution and manufacturing sectors.

AimLite's management is dedicated to its customers, employees and safety.





# WHAT ARE HAZARDOUS LOCATIONS?

A hazardous area (also known as a potentially explosive atmosphere) is an environment that consists of air containing any concentrations of flammable gases, vapors, 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.

# WHY USE HAZARDOUS LOCATION LIGHTING?

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 vapors are present in the air in quantities sufficient to produce explosive or ignitable mixtures

### CLASS II

Hazardous because combustible or conductive dusts are present

### CLASS III

Hazardous because ignitable fibers or flying's are present, but not likely to be in suspension in sufficient quantities to produce ignitable mixtures.

## 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 |

A photograph of an industrial facility, likely a refinery or chemical plant, at night. The scene is illuminated by numerous bright lights, creating a high-contrast image against the dark sky. Several tall distillation columns and complex piping systems are visible, with some structures emitting a warm, yellow glow. The background shows a dark horizon with some distant lights.

# 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   |

# C24M

## 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)



GLASS LENS (CID1, CID2, CID1)



POLYCARBONATE LENS (CID2, CID1)



TOP VIEW (CID1 & CID2)

The C24M 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 C24M 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 & 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 temp.

- 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.

#### 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 lm/W to 124 lm/W. Driver input voltages are 120-277 V or 347 V 50/60 Hz are non-dimmable and have 4 kV integrated transient surge protection with a power factor > 0.95. The C24M 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
  - Classe I, Zone 1, Groupe IIB + H2
  - Classe I, Zone 2, Groupe IIC
  - Zone 21
- Hazloc E
  - Class I, Zone 2, Group IIC
  - Zone 21

#### COMPLIANCES

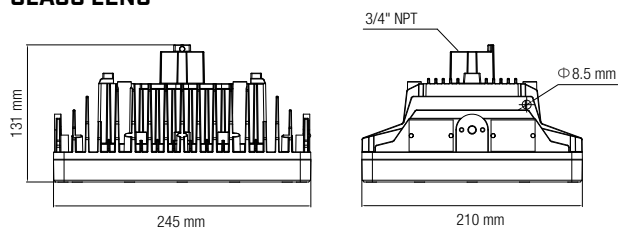
- Meets requirements of ICES-005 issue 5 for class A products
- 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
- IK08 (glass lens)
- IK10 (PC lens)
- UL Standards
- UL844
- UL1598A
- UL1598
- UL8750
- CSA Standards
- CSA C22.2 No.250.0 250.13
- CSA C22.2 No.137

| OVERVIEW          |                |                       |                     |
|-------------------|----------------|-----------------------|---------------------|
| LIGHT SOURCE      | LED            | COLOR TEMPERATURE [K] | 2 700, 4 000, 5 000 |
| WATTS [W]         | 21, 40, 50, 60 | CRI                   | >75                 |
| LUMEN OUTPUT [LM] | 2 648 - 8 514  | WEIGHT [LBS]          | 7.30 - 13.90        |
| EFFICIENCY [LM/W] | 100 - 124      |                       |                     |
| <div> </div>      |                |                       |                     |

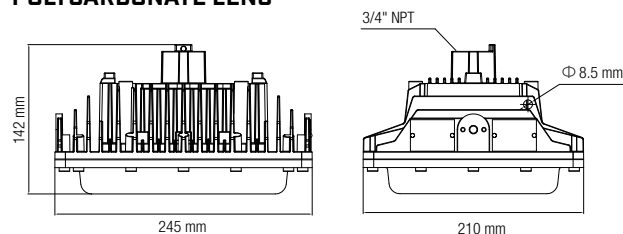
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

## 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

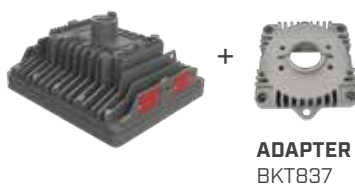


#### POLYCARBONATE LENS



## MULTI MOUNT

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



ADAPTER  
BKT837

### CEILING MOUNT JB018



### WALL MOUNT BKT771-25 or BKT771-90



25°

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



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



90°

## ORDERING GUIDE

| C24M   |                   |                           |              |                       |                 |               | GY      |                                          |
|--------|-------------------|---------------------------|--------------|-----------------------|-----------------|---------------|---------|------------------------------------------|
| SERIES | LUMEN PACKAGE [W] | DISTRIBUTION TYPE         | VOLT [V]     | HAZLOC                | COLOR TEMP. [K] | CASTING COLOR | OPTIONS |                                          |
| C24M   | 1 - 21            | 2 - TYPE II <sup>1</sup>  | 2 - 120-277  | D - C1D1, C1D2, C1I01 | 27K - 2 700     | GY - GREY     | TG -    | TRANSPARENT FLAT GLASS LENS <sup>2</sup> |
|        | 2 - 40            | 3 - TYPE III <sup>1</sup> |              | E - C1D2, C1I01       | 40K - 4 000     |               | FG -    | DIFFUSE FLAT GLASS LENS <sup>2</sup>     |
|        | 3 - 50            | 5 - TYPE V                | 10 - 347-480 |                       | 50K - 5 000     |               | FP -    | DIFFUSE PC LENS <sup>3</sup>             |
|        | 4 - 60            |                           | 2 - 120-277  |                       |                 |               |         |                                          |

<sup>1</sup> Type II and III only available with TG lens option

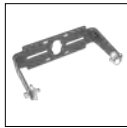
<sup>2</sup> TG and FG lens options are only available with hazloc D

<sup>3</sup> FP lens option is only available with hazloc E

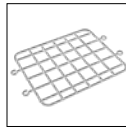
## ACCESSORIES FOR MOUNTING (ORDER SEPARATELY)

| MOUNTING      | PART NO  | TYPE                                           |
|---------------|----------|------------------------------------------------|
| PENDANT MOUNT | BKT836   | U-BRACKET (SUS 304)                            |
|               | WG0078-F | STAINLESS STEEL WIREGUARD (GLASS LENS)         |
|               | WG0078-D | STAINLESS STEEL WIREGUARD (POLYCARBONATE LENS) |
|               | HAR1117  | STAINLESS STEEL SAFETY CABLE KIT               |
|               | BKT838   | PIPE CLAMPS FOR POLE 1-7/8" <sup>1</sup>       |
|               | BKT775   | PIPE CLAMPS FOR POLE 2-3/8" <sup>1</sup>       |

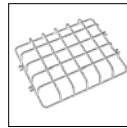
<sup>1</sup> Two [2] pipe clamps per box



**BKT836**  
U-BRACKET



**WG0078-F**  
WIREGUARD  
GLASS LENS



**WG0078-D**  
WIREGUARD  
POLYCARBONATE  
LENS



**HAR1117**  
STAINLESS  
STEEL SAFETY  
CABLE KIT



**BKT838 OR  
BKT775**  
STANCHION MOUNT  
PIPE CLAMP

| MOUNTING    | PART NO      | TYPE                                           |
|-------------|--------------|------------------------------------------------|
| MULTI MOUNT | BKT837       | ADAPTER FOR MULTI MOUNT <sup>2</sup>           |
|             | 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")                     |
|             | WG0078-F     | STAINLESS STEEL WIREGUARD (GLASS LENS)         |
|             | WG0078-D     | STAINLESS STEEL WIREGUARD (POLYCARBONATE LENS) |
|             | HAR1117      | STAINLESS STEEL SAFETY CABLE KIT               |

<sup>2</sup> Mandatory for any Multi mount mountings



**BKT837**  
ADAPTER FOR  
MULTI MOUNT <sup>2</sup>



**JB018**  
JUNCTION BOX  
NPT 3/4"



**BKT771-25**  
WALL MOUNT 25°



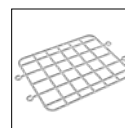
**BKT771-90**  
WALL MOUNT 90°



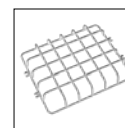
**BKT772-P166 OR  
BKT772-P1900**  
STANCHION-25°



**BKT773-P166 OR  
BKT773-P1900**  
STANCHION-90°



**WG0078-F**  
WIREGUARD  
GLASS LENS



**WG0078-D**  
WIREGUARD  
POLYCARBONATE  
LENS



**HAR1117**  
STAINLESS  
STEEL SAFETY  
CABLE KIT

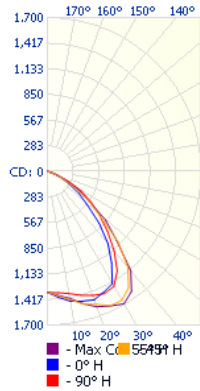
## TECHNICAL SPECIFICATION TABLE

| LUMEN PACKAGE | DISTRIB. TYPE | LENS TYPE             | WATTS [W] | VOLTS [VAC] | LED CURRENT [mA] | LUMEN OUTPUT [LM] | EFFICIENCY [LM/W] | CRI      | LIFE L70 [HRS] | TESTED HOURS LM80 [HRS] | PF   | 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             | 5             | DIFFUSE POLYCARBONATE | 21        | 120-277     | 113              | 2 969             | 138               | >75      | >300 000       | 10 000                  | 0.99 | <20      | B1-U0-G1      | 60        |
| 2             |               |                       | 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       |
| 4 000 K       |               |                       |           |             |                  |                   |                   |          |                |                         |      |          |               |           |
| 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             | 5             | DIFFUSE POLYCARBONATE | 21        | 120-277     | 113              | 3 096             | 143               | >75      | >300 000       | 10 000                  | 0.99 | <20      | B1-U0-G1      | 60        |
| 2             |               |                       | 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       |
| 5 000 K       |               |                       |           |             |                  |                   |                   |          |                |                         |      |          |               |           |
| 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             | 5             | DIFFUSE POLYCARBONATE | 21        | 120-277     | 113              | 3 096             | 143               | >75      | >300 000       | 10 000                  | 0.99 | <20      | B1-U0-G1      | 60        |
| 2             |               |                       | 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       |

## PHOTOMETRIC DATA<sup>1</sup>

C24M12XX40KGYTG • 3 245.1 LM

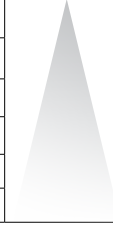
### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

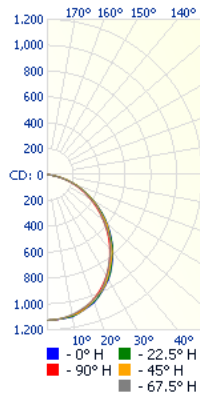
| ZONE   | LUMENS  | % FIXTURE |
|--------|---------|-----------|
| 0-30   | 1 150.8 | 35.5%     |
| 0-40   | 1 894.7 | 58.4%     |
| 0-60   | 2 969.2 | 91.5%     |
| 60-90  | 275.9   | 8.5%      |
| 70-100 | 63.3    | 1.9%      |
| 90-120 | 0.0     | 0%        |
| 0-90   | 3 245.1 | 100%      |
| 90-180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

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                                           |      |  | BEAM WIDTH |        |
|--------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------------|--------|
| 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' |
| <div><div></div> Vert. Spread: 69.7°<div></div> Hor. Spread: 94.3°</div> |      |                                                                                     |            |        |

C24M13XX40KGYTG • 3 065.7 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

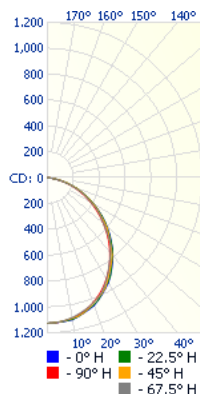
| ZONE   | LUMENS  | % FIXTURE |
|--------|---------|-----------|
| 0-30   | 649.9   | 21.2%     |
| 0-40   | 1 171.5 | 38.2%     |
| 0-60   | 2 524.4 | 82.3%     |
| 60-90  | 541.3   | 17.7%     |
| 70-100 | 122.7   | 4%        |
| 90-120 | 0.0     | 0%        |
| 0-90   | 3 065.7 | 100%      |
| 90-180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

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                                            |      |  | BEAM WIDTH |        |
|---------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|------------|--------|
| 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' |
| <div><div></div> Vert. Spread: 93.3°<div></div> Hor. Spread: 116.2°</div> |      |                                                                                       |            |        |

C24M15XX40KGYFG • 2 872.7 LM

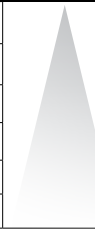
### POLAR CANDELA DISTRIBUTION



### 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%      |

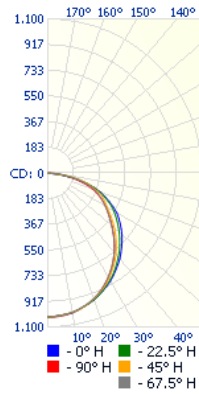
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                          |      |  | BEAM WIDTH |        |
|---------------------------------------------------------|------|---------------------------------------------------------------------------------------|------------|--------|
| 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' |
| <div>■ Vert. Spread: 104.6° ■ Hor. Spread: 101.6°</div> |      |                                                                                       |            |        |

## PHOTOMETRIC DATA<sup>1</sup>

**C24M15XX40KGYFP • 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%      |

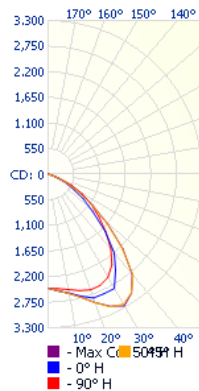
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | BEAM WIDTH |        |
|----------------|------|------------|--------|
| 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° ■ Hor. Spread: 113.4°

**C24M22XX40KGYTG • 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%      |

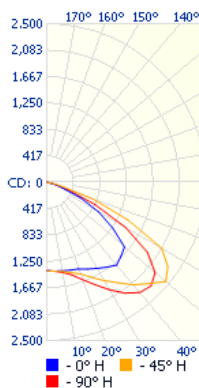
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | BEAM WIDTH |        |
|----------------|------|------------|--------|
| 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° ■ Hor. Spread: 92.7°

**C24M23XX40KGYTG • 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

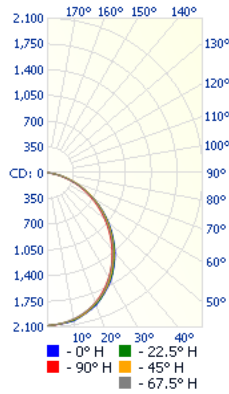
| CENTER BEAM FC |      | BEAM WIDTH |        |
|----------------|------|------------|--------|
| 17.0'          | 4.86 | 32.7'      | 49.3'  |
| 34.0'          | 1.21 | 65.4'      | 98.6'  |
| 51.0'          | 0.54 | 98.1'      | 147.9' |
| 68.0'          | 0.30 | 130.8'     | 197.3' |
| 85.0'          | 0.19 | 163.5'     | 246.6' |
| 102.0'         | 0.13 | 196.2'     | 295.9' |

■ Vert. Spread: 87.8° ■ Hor. Spread: 110.8°

## PHOTOMETRIC DATA<sup>1</sup>

**C24M25XX40KGYFG • 5 126.5 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

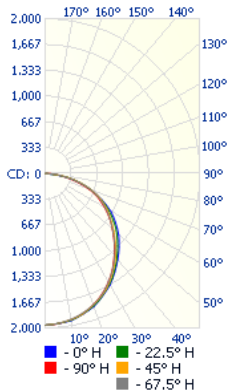
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 1 582.0 | 30.9%     |
| 0-40  | 2 544.0 | 49.6%     |
| 0-60  | 4 285.9 | 83.6%     |
| 60-90 | 840.6   | 16.4%     |
| 0-90  | 5 126.5 | 100%      |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                         |      |  | BEAM WIDTH |        |
|--------------------------------------------------------|------|--|------------|--------|
| 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' |
| <div>■ Vert. Spread: 102.4° ■ Hor. Spread: 98.9°</div> |      |  |            |        |

**C24M25XX40KGYFP • 5 808.8 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

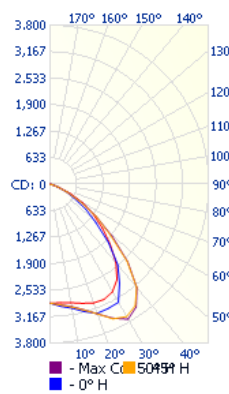
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 1 521.2 | 26.2%     |
| 0-40  | 2 484.6 | 42.8%     |
| 0-60  | 4 428.5 | 76.2%     |
| 60-90 | 1 380.3 | 23.8%     |
| 0-90  | 5 808.8 | 100%      |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                          |      |  | BEAM WIDTH |        |
|---------------------------------------------------------|------|---------------------------------------------------------------------------------------|------------|--------|
| 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' |
| <div>■ Vert. Spread: 119.7° ■ Hor. Spread: 112.6°</div> |      |                                                                                       |            |        |

**C24M32XX40KGYTG • 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%      |

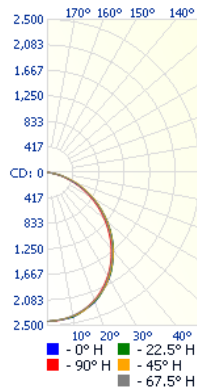
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                        |      |  | BEAM WIDTH |        |
|-------------------------------------------------------|------|---------------------------------------------------------------------------------------|------------|--------|
| 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' |
| <div>■ Vert. Spread: 68.9° ■ Hor. Spread: 93.8°</div> |      |                                                                                       |            |        |

## PHOTOMETRIC DATA<sup>1</sup>

C24M33XX40KGYTG • 6 310.6 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

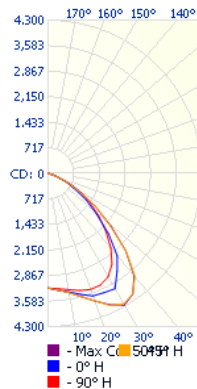
| ZONE   | LUMENS  | % FIXTURE |
|--------|---------|-----------|
| 0-30   | 1 375.6 | 21.8%     |
| 0-40   | 2 466.4 | 39.1%     |
| 0-60   | 5 243.8 | 83.1%     |
| 60-90  | 1 066.8 | 16.9%     |
| 70-100 | 237.1   | 3.8%      |
| 90-120 | 0.0     | 0%        |
| 0-90   | 6 310.6 | 100%      |
| 90-180 | 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' |
| <div>■ Vert. Spread: 88.4° ■ Hor. Spread: 112.2°</div> |      |  |            |        |

C24M35XX40KGYFG • 6 119.9 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

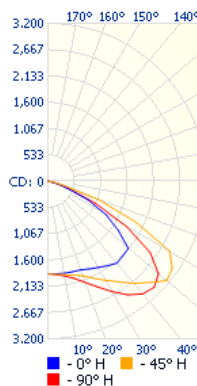
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 1 868.7 | 30.5%     |
| 0-40  | 3 014.2 | 49.3%     |
| 0-60  | 5 101.5 | 83.4%     |
| 60-90 | 1 018.4 | 16.6%     |
| 0-90  | 6 119.9 | 100%      |

### 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'  |
| <div>■ Vert. Spread: 103.1° ■ Hor. Spread: 100.5°</div> |      |  |            |        |

C24M35XX40KGYFP • 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%      |

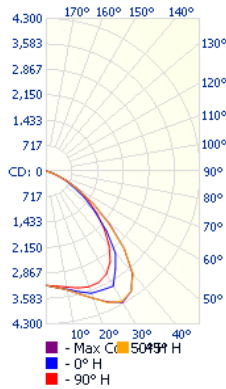
### ILLUMINANCE AT A DISTANCE

| 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' |
| <div>■ Vert. Spread: 120.3°</div> <div>■ Hor. Spread: 115.1°</div> |      |  |            |        |

## PHOTOMETRIC DATA<sup>1</sup>

**C24M42XX40KGYTG • 7 964.0 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

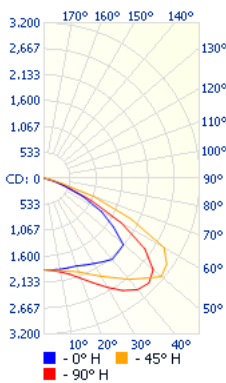
| ZONE   | LUMENS  | % FIXTURE |
|--------|---------|-----------|
| 0-30   | 2 739.3 | 34.4%     |
| 0-40   | 4 554.2 | 57.2%     |
| 0-60   | 7 294.8 | 91.6%     |
| 60-90  | 669.1   | 8.4%      |
| 70-100 | 150.9   | 1.9%      |
| 90-120 | 0.0     | 0%        |
| 0-90   | 7 964.0 | 100%      |
| 90-180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

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                        |      |  | BEAM WIDTH |        |
|-------------------------------------------------------|------|-------------------------------------------------------------------------------------|------------|--------|
| 17.0'                                                 | 11.2 |                                                                                     | 23.7'      | 36.2'  |
| 34.0'                                                 | 2.79 |                                                                                     | 47.5'      | 72.5'  |
| 51.0'                                                 | 1.24 |                                                                                     | 71.2'      | 108.7' |
| 68.0'                                                 | 0.70 |                                                                                     | 95.0'      | 145.0' |
| 85.0'                                                 | 0.45 |                                                                                     | 118.7'     | 181.2' |
| 102.0'                                                | 0.31 |                                                                                     | 142.4'     | 217.5' |
| <div>■ Vert. Spread: 69.8° ■ Hor. Spread: 93.7°</div> |      |                                                                                     |            |        |

**C24M43XX40KGYTG • 7 637.1 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

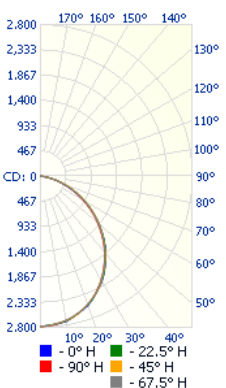
| ZONE   | LUMENS  | % FIXTURE |
|--------|---------|-----------|
| 0-30   | 1 661.0 | 21.7%     |
| 0-40   | 3 010.8 | 39.4%     |
| 0-60   | 6 356.2 | 83.2%     |
| 60-90  | 1 280.8 | 16.8%     |
| 70-100 | 294.5   | 3.9%      |
| 90-120 | 0.0     | 0%        |
| 0-90   | 7 637.0 | 100%      |
| 90-180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

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                                            |      |  | BEAM WIDTH |        |
|---------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|------------|--------|
| 17.0'                                                                     | 6.53 |                                                                                       | 35.0'      | 49.4'  |
| 34.0'                                                                     | 1.63 |                                                                                       | 69.9'      | 98.7'  |
| 51.0'                                                                     | 0.73 |                                                                                       | 104.9'     | 148.1' |
| 68.0'                                                                     | 0.41 |                                                                                       | 139.8'     | 197.5' |
| 85.0'                                                                     | 0.26 |                                                                                       | 174.8'     | 246.8' |
| 102.0'                                                                    | 0.18 |                                                                                       | 209.7'     | 296.8' |
| <div><div></div> Vert. Spread: 91.6°<div></div> Hor. Spread: 110.9°</div> |      |                                                                                       |            |        |

**C24M45XX40KGYFG • 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%      |

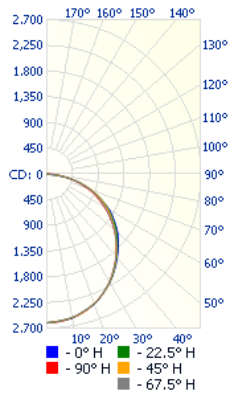
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                         |      |  | BEAM WIDTH |        |
|--------------------------------------------------------|------|---------------------------------------------------------------------------------------|------------|--------|
| 17.0'                                                  | 9.67 |                                                                                       | 41.5'      | 40.3'  |
| 34.0'                                                  | 2.42 |                                                                                       | 83.0'      | 80.6'  |
| 51.0'                                                  | 1.07 |                                                                                       | 124.4'     | 121.0' |
| 68.0'                                                  | 0.60 |                                                                                       | 165.9'     | 161.3' |
| 85.0'                                                  | 0.39 |                                                                                       | 207.4'     | 201.6' |
| 102.0'                                                 | 0.27 |                                                                                       | 248.9'     | 241.9' |
| <div>■ Vert. Spread: 101.3° ■ Hor. Spread: 99.7°</div> |      |                                                                                       |            |        |

## PHOTOMETRIC DATA<sup>1</sup>

C24M45XX40KGYFP • 7 700.3 LM

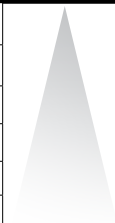
### POLAR CANDELA DISTRIBUTION



### 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'                                                                      | 9.05 |                                                                                     | 56.7'      | 51.5'  |
| 34.0'                                                                      | 2.26 |                                                                                     | 113.4'     | 103.0' |
| 51.0'                                                                      | 1.01 |                                                                                     | 170.1'     | 154.5' |
| 68.0'                                                                      | 0.57 |                                                                                     | 226.7'     | 206.0' |
| 85.0'                                                                      | 0.36 |                                                                                     | 283.4'     | 257.5' |
| 102.0'                                                                     | 0.25 |                                                                                     | 340.1'     | 309.0' |
| <div><div></div> Vert. Spread: 118.1°<div></div> Hor. Spread: 113.1°</div> |      |                                                                                     |            |        |

# C4F-L

## HAZARDOUS LOCATION LED 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 C4F-L Hazardous Location LED linear luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present. The C4F-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, 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 C4F-L series comes standard with a pendant mount however in option pole, ceiling and wall mounting are available.

##### Optics

Comes standard with a thermal shock and impact resistant tempered glass lens. A **diffuse lens finish** 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 A1 [80 W], A2 [100 W] or A3 [150 W] packages with a lumen per watt ratio of 95 lm/W 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 C4F-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

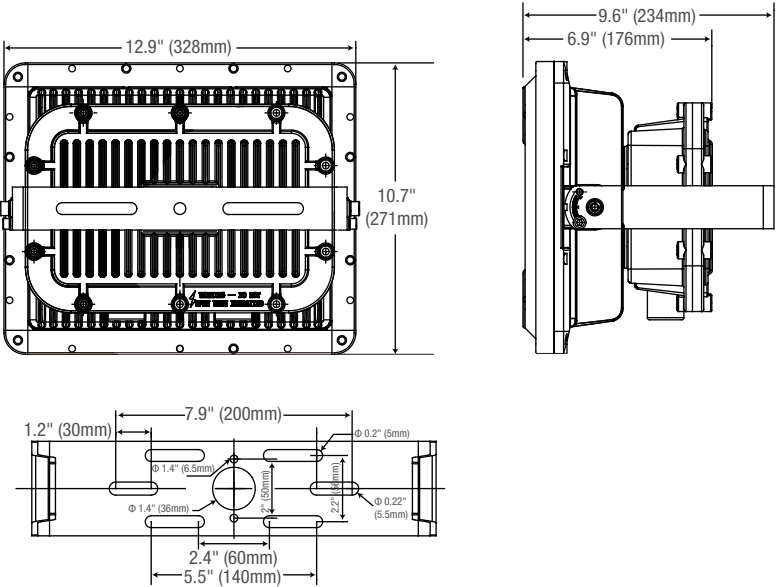
#### COMPLIANCES

- 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            | COLOR TEMPERATURE [K] | 3 000, 4 000, 5 000 |
| WATTS [W]         | 80 - 150       | CRI                   | >70                 |
| LUMEN OUTPUT [LM] | 7 862 - 19 500 | WEIGHT [LBS]          | 33.5 - 34.2         |
| EFFICACY [LM/W]   | 95 - 130       |                       |                     |

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](http://www.designlights.org/search).

DIMENSIONS



MOUNTING

PENDANT [STANDARD]



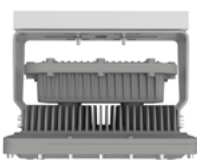
ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

POLE MOUNT



BKT761-FL + BKT763

CEILING MOUNT



BKT761-FL

WALL MOUNT



BKT761-FL

## QUICK SHIP ORDERING GUIDE



| PART NUMBER        | DLC UNIQUE<br>AIMLITE ID | WATTS<br>[W] | COLOR<br>TEMP.<br>[K] | LUMEN<br>OUTPUT<br>[LM] | EFFI-<br>CACY<br>[LM/W] | CRI | LIFE<br>L70<br>[HRS] | LM80   | LED<br>CURRENT<br>[MA] | PF   | THD<br>[%] | B.U.G.<br>RATING | BEAM<br>ANGLE<br>[°] | CASE<br>QTY<br>[MASTER] |
|--------------------|--------------------------|--------------|-----------------------|-------------------------|-------------------------|-----|----------------------|--------|------------------------|------|------------|------------------|----------------------|-------------------------|
| <b>120-277V</b>    |                          |              |                       |                         |                         |     |                      |        |                        |      |            |                  |                      |                         |
| C4F-LA1-2-D/4K120T | N/A                      | 80           | 4 000                 | 10 059                  | 126                     | 70  | 54 000               | 10 000 | 525                    | 0.99 | 17         | B4-U0-G1         | 120                  | 1                       |
| C4F-LA2-2-D/4K120T | N/A                      | 100          | 4 000                 | 12 339                  | 123                     | 70  | 54 000               | 10 000 | 525                    | 0.99 | 15         | B4-U0-G1         | 120                  | 1                       |
| C4F-LA3-2-D/4K120T | N/A                      | 150          | 4 000                 | 18 122                  | 121                     | 70  | 54 000               | 10 000 | 480                    | 1.00 | 12         | B4-U0-G1         | 120                  | 1                       |
| C4F-LA1-2-D/5K120T | PL48XFYSZ3V7             | 80           | 5 000                 | 10 400                  | 130                     | 70  | 54 000               | 10 000 | 525                    | 0.99 | 17         | B4-U0-G1         | 120                  | 1                       |
| C4F-LA2-2-D/5K120T | PLLYWND1YSFE             | 100          | 5 000                 | 13 000                  | 130                     | 70  | 54 000               | 10 000 | 525                    | 0.99 | 15         | B4-U0-G1         | 120                  | 1                       |
| C4F-LA3-2-D/5K120T | PLL4DFZFZ868             | 150          | 5 000                 | 19 500                  | 130                     | 70  | 54 000               | 10 000 | 480                    | 1.00 | 12         | B4-U0-G1         | 120                  | 1                       |
| <b>347-480 V</b>   |                          |              |                       |                         |                         |     |                      |        |                        |      |            |                  |                      |                         |
| C4F-LA1-8-D/4K120T | N/A                      | 80           | 4 000                 | 9 979                   | 125                     | 70  | 54 000               | 10 000 | 525                    | 0.90 | 10         | B4-U0-G1         | 120                  | 1                       |
| C4F-LA2-8-D/4K120T | N/A                      | 100          | 4 000                 | 11 758                  | 118                     | 70  | 54 000               | 10 000 | 525                    | 0.94 | 8          | B4-U0-G1         | 120                  | 1                       |
| C4F-LA3-8-D/4K120T | N/A                      | 150          | 4 000                 | 17 718                  | 118                     | 70  | 54 000               | 10 000 | 480                    | 0.93 | 11         | B4-U0-G1         | 120                  | 1                       |
| C4F-LA1-8-D/5K120T | PLHLSH31B1KQ             | 80           | 5 000                 | 10 400                  | 130                     | 70  | 54 000               | 10 000 | 525                    | 0.90 | 10         | B4-U0-G1         | 120                  | 1                       |
| C4F-LA2-8-D/5K120T | PLIUND56Y7F6             | 100          | 5 000                 | 13 000                  | 130                     | 70  | 54 000               | 10 000 | 525                    | 0.94 | 8          | B4-U0-G1         | 120                  | 1                       |
| C4F-LA3-8-D/5K120T | PLYNB41BYCUT             | 150          | 5 000                 | 19 500                  | 130                     | 70  | 54 000               | 10 000 | 480                    | 0.93 | 11         | B4-U0-G1         | 120                  | 1                       |

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

## ORDERING GUIDE

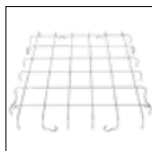
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — 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## ACCESSORIES (ORDER SEPARATELY)

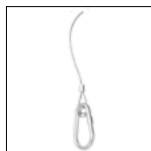
| PART #    | DESCRIPTION                      |
|-----------|----------------------------------|
| BKT763    | POLE TYPE STANCHION NPT 2-3/8"   |
| WG0068    | STAINLESS STEEL WIREGUARD        |
| HAR1042   | STAINLESS STEEL SAFETY CABLE KIT |
| BKT761-FL | U BRACKET                        |



**BKT763**  
Pole type stanchion



**WG0068**  
Stainless steel  
wireguard



**HAR1042**  
Stainless steel  
safety cable kit



**BKT761-FL**  
U bracket

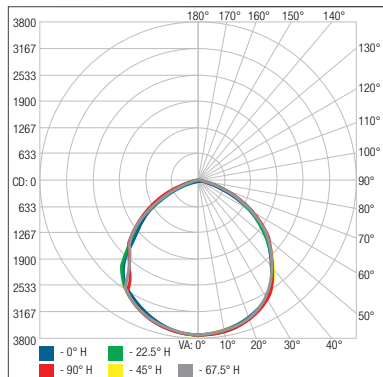
## LUMEN CHART TABLE

| ELECTRICAL DATA |             |                 |                        |              |              |     |                          |                         |                      |        |      |            |                  |
|-----------------|-------------|-----------------|------------------------|--------------|--------------|-----|--------------------------|-------------------------|----------------------|--------|------|------------|------------------|
| PACKAGE         | LENS TYPE   | VOLTS<br>[V AC] | LED<br>CURRENT<br>[MA] | # OF<br>LEDS | WATTS<br>[W] | CRI | LUMENS<br>OUTPUT<br>[LM] | EFFI-<br>CACY<br>[LM/W] | LIFE<br>L70<br>[HRS] | LM80   | PF   | THD<br>[%] | B.U.G.<br>RATING |
| 3 000 K         |             |                 |                        |              |              |     |                          |                         |                      |        |      |            |                  |
| A1              | TRANSPARENT | 120-277         | 525                    | 54           | 80           | 70  | 9 787                    | 122                     | 54 000               | 10 000 | 0.99 | 17         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 54           | 80           | 70  | 9 787                    | 122                     | 54 000               | 10 000 | 0.90 | 10         | B4-U0-G1         |
| A2              |             | 120-277         | 525                    | 72           | 100          | 70  | 11 757                   | 118                     | 54 000               | 10 000 | 0.99 | 15         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 72           | 100          | 70  | 11 757                   | 118                     | 54 000               | 10 000 | 0.94 | 8          | B4-U0-G1         |
| A3              |             | 120-277         | 480                    | 96           | 150          | 70  | 18 179                   | 121                     | 54 000               | 10 000 | 1.00 | 13         | B4-U0-G1         |
|                 |             | 347-480         | 480                    | 96           | 150          | 70  | 18 179                   | 121                     | 54 000               | 10 000 | 0.93 | 11         | B4-U0-G1         |
| 4 000 K         |             |                 |                        |              |              |     |                          |                         |                      |        |      |            |                  |
| A1              | TRANSPARENT | 120-277         | 525                    | 54           | 80           | 70  | 10 059                   | 126                     | 54 000               | 10 000 | 0.99 | 17         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 54           | 80           | 70  | 9 979                    | 125                     | 54 000               | 10 000 | 0.90 | 10         | B4-U0-G1         |
| A2              |             | 120-277         | 525                    | 72           | 100          | 70  | 12 339                   | 123                     | 54 000               | 10 000 | 0.99 | 15         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 72           | 100          | 70  | 11 758                   | 118                     | 54 000               | 10 000 | 0.94 | 8          | B4-U0-G1         |
| A3              |             | 120-277         | 480                    | 96           | 150          | 70  | 18 122                   | 121                     | 54 000               | 10 000 | 1.00 | 13         | B4-U0-G1         |
|                 |             | 347-480         | 480                    | 96           | 150          | 70  | 17 718                   | 118                     | 54 000               | 10 000 | 0.93 | 11         | B4-U0-G1         |
| 5 000 K         |             |                 |                        |              |              |     |                          |                         |                      |        |      |            |                  |
| A1              | TRANSPARENT | 120-277         | 525                    | 54           | 80           | 70  | 10 400                   | 130                     | 54 000               | 10 000 | 0.99 | 17         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 54           | 80           | 70  | 10 400                   | 130                     | 54 000               | 10 000 | 0.90 | 10         | B4-U0-G1         |
| A2              |             | 120-277         | 525                    | 72           | 100          | 70  | 13 000                   | 130                     | 54 000               | 10 000 | 0.99 | 15         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 72           | 100          | 70  | 13 000                   | 130                     | 54 000               | 10 000 | 0.94 | 8          | B4-U0-G1         |
| A3              |             | 120-277         | 480                    | 96           | 150          | 70  | 19 500                   | 130                     | 54 000               | 10 000 | 1.00 | 13         | B4-U0-G1         |
|                 |             | 347-480         | 480                    | 96           | 150          | 70  | 19 500                   | 130                     | 54 000               | 10 000 | 0.93 | 11         | B4-U0-G1         |
| 3 000 K         |             |                 |                        |              |              |     |                          |                         |                      |        |      |            |                  |
| A1              | DIFFUSE     | 120-277         | 525                    | 54           | 80           | 70  | 7 862                    | 98                      | 54 000               | 10 000 | 0.99 | 17         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 54           | 80           | 70  | 7 862                    | 98                      | 54 000               | 10 000 | 0.90 | 10         | B4-U0-G1         |
| A2              |             | 120-277         | 525                    | 72           | 100          | 70  | 9 508                    | 95                      | 54 000               | 10 000 | 0.99 | 15         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 72           | 100          | 70  | 9 508                    | 95                      | 54 000               | 10 000 | 0.94 | 8          | B4-U0-G1         |
| A3              |             | 120-277         | 480                    | 96           | 150          | 70  | 14 661                   | 98                      | 54 000               | 10 000 | 1.00 | 13         | B4-U0-G1         |
|                 |             | 347-480         | 480                    | 96           | 150          | 70  | 14 661                   | 98                      | 54 000               | 10 000 | 0.93 | 11         | B4-U0-G1         |
| 4 000 K         |             |                 |                        |              |              |     |                          |                         |                      |        |      |            |                  |
| A1              | DIFFUSE     | 120-277         | 525                    | 54           | 80           | 70  | 7 910                    | 99                      | 54 000               | 10 000 | 0.99 | 17         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 54           | 80           | 70  | 7 910                    | 99                      | 54 000               | 10 000 | 0.90 | 10         | B4-U0-G1         |
| A2              |             | 120-277         | 525                    | 72           | 100          | 70  | 9 596                    | 96                      | 54 000               | 10 000 | 0.99 | 15         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 72           | 100          | 70  | 9 596                    | 96                      | 54 000               | 10 000 | 0.94 | 8          | B4-U0-G1         |
| A3              |             | 120-277         | 480                    | 96           | 150          | 70  | 14 829                   | 99                      | 54 000               | 10 000 | 1.00 | 13         | B4-U0-G1         |
|                 |             | 347-480         | 480                    | 96           | 150          | 70  | 14 829                   | 99                      | 54 000               | 10 000 | 0.93 | 11         | B4-U0-G1         |
| 5 000 K         |             |                 |                        |              |              |     |                          |                         |                      |        |      |            |                  |
| A1              | DIFFUSE     | 120-277         | 525                    | 54           | 80           | 70  | 8 280                    | 130                     | 54 000               | 10 000 | 0.99 | 17         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 54           | 80           | 70  | 8 280                    | 130                     | 54 000               | 10 000 | 0.90 | 10         | B4-U0-G1         |
| A2              |             | 120-277         | 525                    | 72           | 100          | 70  | 10 014                   | 130                     | 54 000               | 10 000 | 0.99 | 15         | B4-U0-G1         |
|                 |             | 347-480         | 525                    | 72           | 100          | 70  | 10 014                   | 130                     | 54 000               | 10 000 | 0.94 | 8          | B4-U0-G1         |
| A3              |             | 120-277         | 480                    | 96           | 150          | 70  | 14 892                   | 130                     | 54 000               | 10 000 | 1.00 | 13         | B4-U0-G1         |
|                 |             | 347-480         | 480                    | 96           | 150          | 70  | 14 892                   | 130                     | 54 000               | 10 000 | 0.93 | 11         | B4-U0-G1         |

## PHOTOMETRIC DATA

C4F-LA1-2-D/4K120T • 10 059 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 2944.5  | 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       |

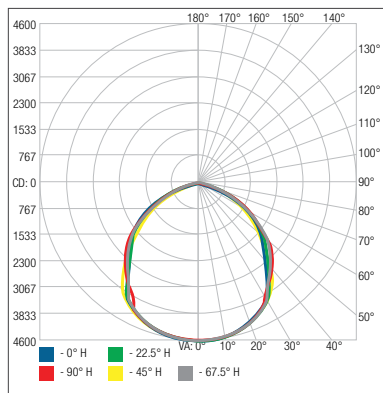
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |       | BEAM WIDTH |       |
|----------------|-------|------------|-------|
| 1.7'           | 1 286 | 4.4'       | 4.9'  |
| 3.3'           | 341   | 8.6'       | 9.5'  |
| 5.0'           | 149   | 13.0'      | 14.4' |
| 6.7'           | 82.8  | 17.4'      | 19.3' |
| 8.3'           | 54.0  | 21.6'      | 23.9' |
| 10'            | 37.2  | 26.0'      | 28.8' |

■ Vert. Spread: 104.8° ■ Hor. Spread: 110.4°

C4F-LA2-2-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       |

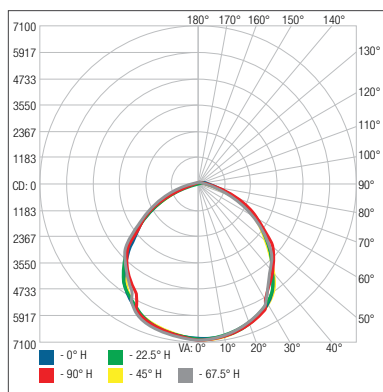
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |       | BEAM WIDTH |       |
|----------------|-------|------------|-------|
| 1.7'           | 1 396 | 4.4'       | 4.5'  |
| 3.3'           | 370   | 8.6'       | 8.8'  |
| 5.0'           | 161   | 13.1'      | 13.4' |
| 6.7'           | 89.9  | 17.5'      | 17.9' |
| 8.3'           | 58.6  | 21.7'      | 22.2' |
| 10'            | 40.3  | 26.2'      | 26.7' |

■ Vert. Spread: 105.2° ■ Hor. Spread: 106.4°

C4F-LA3-2-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

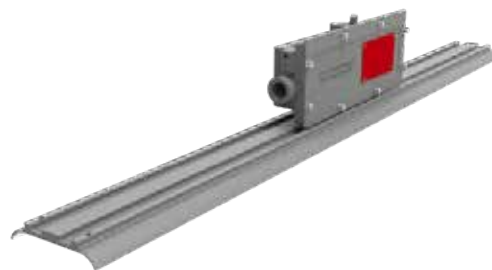
| CENTER BEAM FC |       | BEAM WIDTH |       |
|----------------|-------|------------|-------|
| 1.7'           | 2 436 | 4.7'       | 4.6'  |
| 3.3'           | 647   | 9.1'       | 8.9'  |
| 5.0'           | 282   | 13.8'      | 13.4' |
| 6.7'           | 157   | 18.5'      | 18.0' |
| 8.3'           | 102   | 22.9'      | 22.3' |
| 10'            | 70.4  | 27.6'      | 26.9' |

■ Vert. Spread: 108.1° ■ Hor. Spread: 106.7°

# C4L-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 C4L-L Hazardous Location LED linear luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present. The C4L-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 120-277V 50/60 Hz, or 347-480V 50/60 Hz. All drivers are non-

dimnable 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 C4L-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

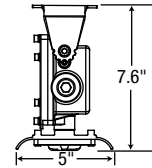
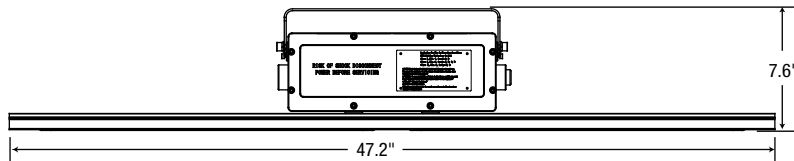
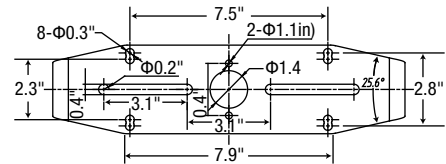
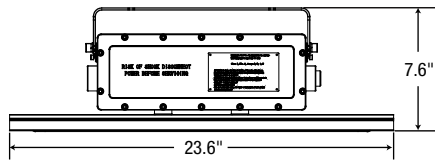
- Meets requirements of ICES-005 issue 4 for class A products
- 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
- IP66
- IK08
- UL1598A
- UL1598
- UL8750
- CSA C22.2 No.137
- CSA C22.2 No.250, No.250.13

| OVERVIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                       |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|---------------------|
| LIGHT SOURCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LED            | COLOR TEMPERATURE (K) | 3 000, 4 000, 5 000 |
| WATTS [W]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 40 - 80        | CRI                   | >70                 |
| LUMEN OUTPUT [LM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4 850 - 12 231 | WEIGHT [LBS]          | 12.1 - 16.7         |
| EFFICACY (LM/W)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 120 - 153      |                       |                     |
| <div>   QUICKSHIP            LED            66 IP RATING            ICES 005            IK08 IMPACT RESISTANCE         </div> <div>    </div> |                |                       |                     |

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](http://www.designlights.org/search)

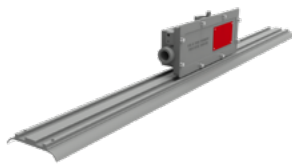
## DIMENSIONS

| PART #  | NET WEIGHT [LBS] | DIMENSIONS [LXWXH] |
|---------|------------------|--------------------|
| C4L-LA1 | 12.1             | 23.6 X 5 X 7.6"    |
| C4L-LA2 | 16.7             | 47.2 X 5 X 7.6"    |



## MOUNTING

### PENDANT (STANDARD)



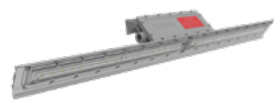
## ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

### CEILING MOUNT



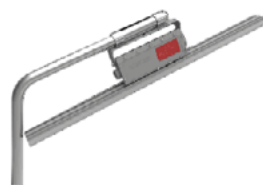
BKT761-LN

### WALL MOUNT



BKT761-LN

### POLE MOUNT



BKT775 + BKT761-LN

## QUICK SHIP ORDERING GUIDE



| PART NUMBER       | DLC UNIQUE<br>AIMLITE ID | WATTS<br>[W] | COLOR<br>TEMP.<br>[K] | LUMEN<br>OUTPUT<br>[LM] | EFFI-<br>CACY<br>[LM/W] | CRI | LIFE<br>L70<br>[HRS] | LM80  | LED<br>CURRENT<br>[MA] | PF   | THD<br>[%] | B.U.G.<br>RATING | BEAM<br>ANGLE<br>[°] | CASE<br>QTY<br>[MASTER] |
|-------------------|--------------------------|--------------|-----------------------|-------------------------|-------------------------|-----|----------------------|-------|------------------------|------|------------|------------------|----------------------|-------------------------|
| <b>120-277 V</b>  |                          |              |                       |                         |                         |     |                      |       |                        |      |            |                  |                      |                         |
| C4L-LA1-2-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                       |
| C4L-LA2-2-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                       |
| C4L-LA1-2-C/50K-T | PLSH9Y90XVPQ             | 40           | 5 000                 | 5 480                   | 135                     | 70  | 54 000               | 9 000 | 84                     | 1.00 | 16         | B4-U0-G1         | 110                  | 1                       |
| C4L-LA2-2-C/50K-T | PLZZSEDSND5V             | 80           | 5 000                 | 10 960                  | 137                     | 70  | 54 000               | 9 000 | 84                     | 0.99 | 9          | B4-U0-G1         | 110                  | 1                       |
| <b>347-480 V</b>  |                          |              |                       |                         |                         |     |                      |       |                        |      |            |                  |                      |                         |
| C4L-LA1-8-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                       |
| C4L-LA2-8-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                       |
| C4L-LA1-8-C/50K-T | PLVCFPEVVADM             | 40           | 5 000                 | 5 480                   | 132                     | 70  | 54 000               | 9 000 | 84                     | 0.89 | 16         | B4-U0-G1         | 110                  | 1                       |
| C4L-LA2-8-C/50K-T | PLUJ84YPCXZY             | 80           | 5 000                 | 10 960                  | 137                     | 70  | 54 000               | 9 000 | 84                     | 0.89 | 9          | B4-U0-G1         | 110                  | 1                       |

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

## ORDERING GUIDE

| C4L — L — — C / — |           |                                                           |                            |                                                             |                                           |                                                                      |
|-------------------|-----------|-----------------------------------------------------------|----------------------------|-------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------|
| SERIES            | LAMP TYPE | LUMEN PACKAGE <sup>1</sup>                                | VOLTS<br>[V AC]            | HAZLOC                                                      | COLOR TEMP.<br>[K]                        | LENS OPTION                                                          |
| C4L               | L - LED   | A1 - REFER TO<br>A2 LUMEN CHART<br>- TABLE FOR<br>DETAILS | 2 - 120-277<br>8 - 347-480 | C - CLASS I DIVISION 2,<br>CLASS II DIVISION 1<br>CLASS III | 30K - 3 000<br>40K - 4 000<br>50K - 5 000 | D - DIFFUSE POLYCARBONATE LENS<br>T - TRANSPARENT POLYCARBONATE LENS |

<sup>1</sup> A1-40W is a 2ft fixture; A2-80W is a 4 ft fixture.

## ACCESSORIES (ORDER SEPARATELY)

| PART #    | DESCRIPTION                                   |
|-----------|-----------------------------------------------|
| HAR1055   | STAINLESS STEEL SAFETY CABLE KIT <sup>1</sup> |
| BKT775    | STANCHION MOUNT PIPE CLAMP                    |
| BKT761-LN | U-BRACKET                                     |

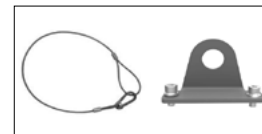
<sup>1</sup> Include 2 pipes per box.



**BKT775**  
Stanchion mount  
pipe clamp



**BKT761-LN**  
U-bracket



**HAR1055**  
Stainless steel  
safety cable kit

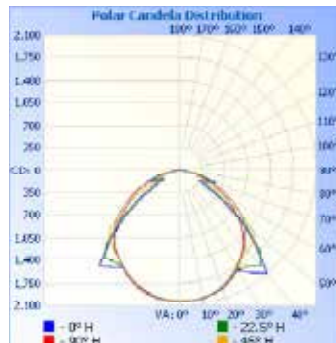
## LUMEN CHART TABLE

| ELECTRICAL DATA |             |                 |                        |              |              |     |                          |                         |                      |       |      |            |                  |
|-----------------|-------------|-----------------|------------------------|--------------|--------------|-----|--------------------------|-------------------------|----------------------|-------|------|------------|------------------|
| PACKAGE         | LENS TYPE   | VOLTS<br>[V AC] | LED<br>CURRENT<br>[MA] | # OF<br>LEDS | WATTS<br>[W] | CRI | LUMENS<br>OUTPUT<br>[LM] | EFFI-<br>CIENCY<br>LM/W | LIFE<br>L70<br>[HRS] | LM80  | PF   | THD<br>[%] | B.U.G.<br>RATING |
| 3 000 K         |             |                 |                        |              |              |     |                          |                         |                      |       |      |            |                  |
| A1              | 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         |
| A2              |             | 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         |
| A1              | 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         |
| A2              |             | 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         |             |                 |                        |              |              |     |                          |                         |                      |       |      |            |                  |
| A1              | 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         |
| A2              |             | 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         |             |                 |                        |              |              |     |                          |                         |                      |       |      |            |                  |
| A1              | 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         |
| A2              |             | 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 DATA

C4L-LA1-2-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       |

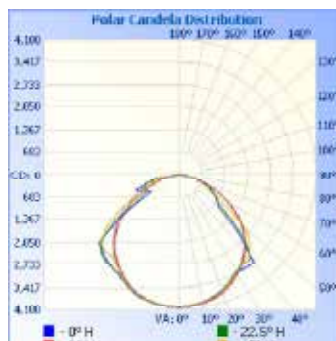
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | BEAM WIDTH |       |
|----------------|------|------------|-------|
| 1.7'           | 707  | 4.3'       | 3.4'  |
| 3.3'           | 188  | 8.3'       | 6.6'  |
| 5.0'           | 81.7 | 12.6'      | 10.0' |
| 6.7'           | 45.5 | 16.9'      | 13.5' |
| 8.3'           | 29.6 | 20.9'      | 16.7' |
| 10'            | 20.4 | 25.2'      | 20.1' |

■ Vert. Spread: 103° ■ Hor. Spread: 90.3°

C4L-LA2-2-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 | 4.3'       | 5.0'  |
| 3.3'           | 370   | 8.3'       | 9.7'  |
| 5.0'           | 161   | 12.5'      | 14.7' |
| 6.7'           | 89.9  | 16.8'      | 19.7' |
| 8.3'           | 58.6  | 20.8'      | 24.5' |
| 10'            | 40.3  | 25.1'      | 29.5' |

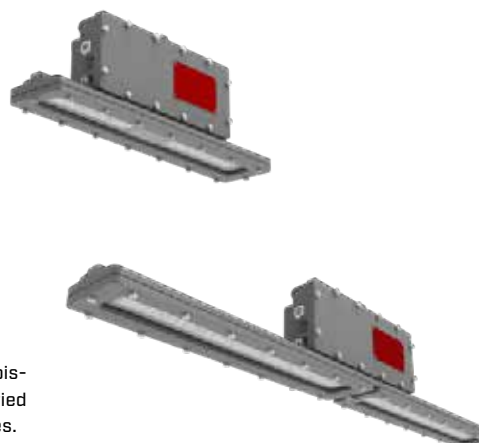
■ Vert. Spread: 102.9° ■ Hor. Spread: 111.7°

# C4LA-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 C4LA-L Hazardous Location LED linear luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present. The C4LA-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;

- 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 +50°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 A1 (40 W) or A2 (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 C4LA-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            | COLOR TEMPERATURE [K] | 3 000, 4 000, 5 000 |
| WATTS [W]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 40 - 80        | CRI                   | >70                 |
| LUMEN OUTPUT [LM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 511 - 10 456 | WEIGHT [LBS]          | 12.1 - 16.7         |
| EFFICACY [LM/W]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 92 - 133       |                       |                     |
| <div>   LED            IP RATING            ICES 005            IK07 IMPACT RESISTANCE              </div> |                |                       |                     |

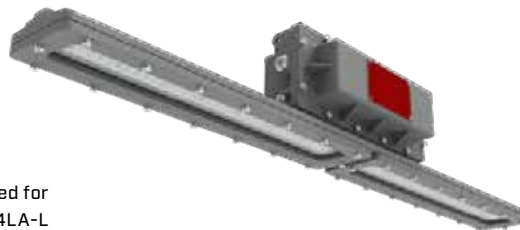
Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/search](http://www.designlights.org/search).

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.

All products are subject to change or may be discontinued any time without notice.

# C4LA-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 C4LA-L with emergency backup Hazardous Location LED linear luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present. The C4LA-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;

- 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 A2 (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 C4LA-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

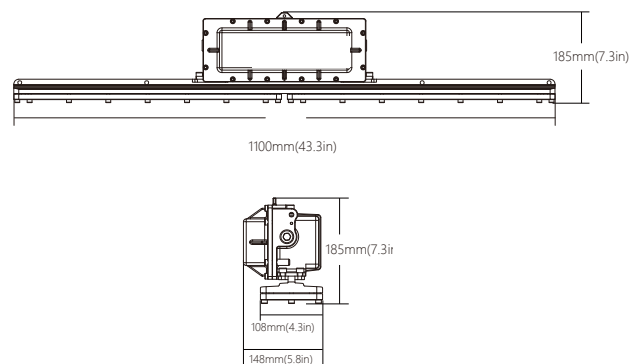
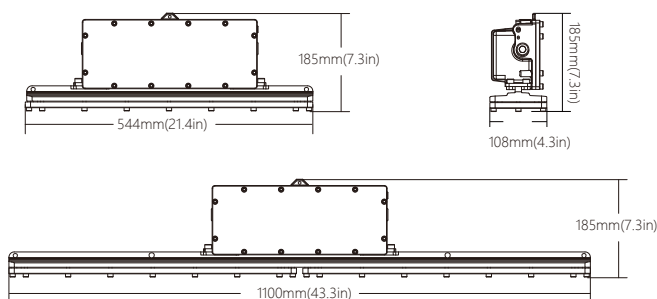
| OVERVIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                       |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|---------------------|
| LIGHT SOURCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LED            | COLOR TEMPERATURE (K) | 3 000, 4 000, 5 000 |
| WATTS [W]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 80             | CRI                   | >70                 |
| LUMEN OUTPUT [LM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7 604 - 10 456 | WEIGHT [LBS]          | 12.1 - 16.7         |
| EFFICACY [LM/W]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 94 - 130       |                       |                     |
| <div>   LED            IP RATING            ICES 005            IK07 IMPACT RESISTANCE            LISTED            MARINE LISTED         </div> |                |                       |                     |

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

## DIMENSIONS

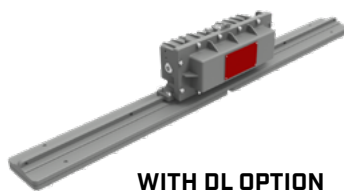
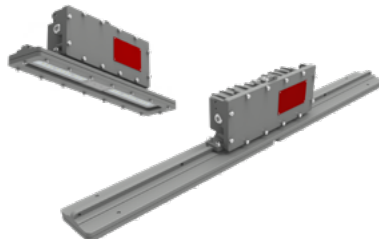
| PART #   | NET WEIGHT [LBS] | DIMENSIONS [LXWXH] [IN] |
|----------|------------------|-------------------------|
| C4LA-LA1 | 16.1             | 21.4 X 4.3 X 7.3        |
| C4LA-LA2 | 23.8             | 43.3 X 4.3 X 7.3        |

| PART #        | NET WEIGHT [LBS] | DIMENSIONS [LXWXH] [IN] |
|---------------|------------------|-------------------------|
| C4LA-LA2 [DL] | 26.9             | 43.3 X 5.8 X 7.3        |



## MOUNTING

### PENDANT (STANDARD)

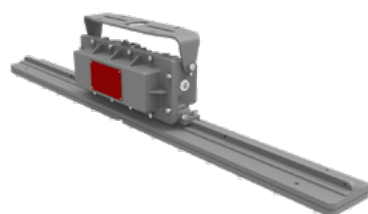


WITH DL OPTION

## ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

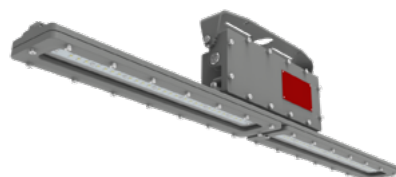
### CEILING MOUNT

BKT761-LN



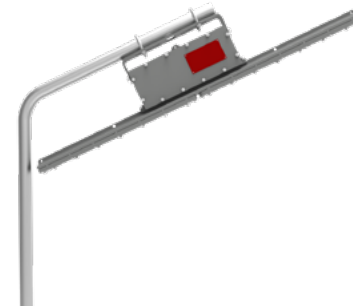
### WALL MOUNT

BKT761-LN



### POLE MOUNT

BKT775 + BKT761-LN



## ORDERING GUIDE

| C4LA   |           | L                                                                    |                        |                                            |                                        | B                                  |                                             | / |  |  |  |  |  |  |  |
|--------|-----------|----------------------------------------------------------------------|------------------------|--------------------------------------------|----------------------------------------|------------------------------------|---------------------------------------------|---|--|--|--|--|--|--|--|
| SERIES | LAMP TYPE | LUMEN PACKAGE                                                        | VOLTS [V]              | HAZLOC                                     | COLOR TEMP. [K]                        | BEAM ANGLE                         | LENS OPTION                                 |   |  |  |  |  |  |  |  |
| C4LA   | L - LED   | A1 - REFER TO THE<br>A2 - TECHNICAL SPECIFICATIONS TABLE FOR DETAILS | 2 - 120-277<br>B - 347 | B - CLASS I DIVISION 1, CLASS I DIVISION 2 | 3K - 3 000<br>4K - 4 000<br>5K - 5 000 | I - 60°<br>J - 110°<br>K - TYPE II | D - DIFFUSE GLASS¹<br>T - TRANSPARENT GLASS |   |  |  |  |  |  |  |  |

<sup>1</sup>Only available with the 110° optic.

## ORDERING GUIDE - WITH EMERGENCY BACKUP

| C4LA   | L         | A2                                                           | 2           | B                      | /                                      |                                    |                                                         | DL                                 |
|--------|-----------|--------------------------------------------------------------|-------------|------------------------|----------------------------------------|------------------------------------|---------------------------------------------------------|------------------------------------|
| SERIES | LAMP TYPE | LUMEN PACKAGE                                                | VOLTS [V]   | HAZLOC                 | COLOR TEMP. [K]                        | BEAM ANGLE                         | LENS OPTION                                             | OPTION                             |
| C4LA   | L - LED   | A2 - REFER TO THE TECHNICAL SPECIFICATIONS TABLE FOR DETAILS | 2 - 120-277 | B - CLASS I DIVISION 1 | 3K - 3 000<br>4K - 4 000<br>5K - 5 000 | I - 60°<br>J - 110°<br>K - TYPE II | D - DIFFUSE GLASS <sup>1</sup><br>T - TRANSPARENT GLASS | DL - EMERGENCY BACKUP <sup>2</sup> |

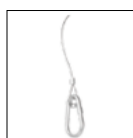
<sup>1</sup>Only available with the 110° optic.

<sup>2</sup>External test switch supplied by others.

## ACCESSORIES (ORDER SEPARATELY)

| PART #    | DESCRIPTION                             |
|-----------|-----------------------------------------|
| HAR1117   | STAINLESS STEEL SAFETY KIT              |
| BKT775    | STANCHION MOUNT PIPE CLAMP <sup>1</sup> |
| BKT761-LN | U-BRACKET                               |

<sup>1</sup> Include 2 pipes per box.



**HAR1117**  
Stainless steel safety kit



**BKT775**  
Stanchion mount pipe clamp



**BKT761-LN**  
U-bracket

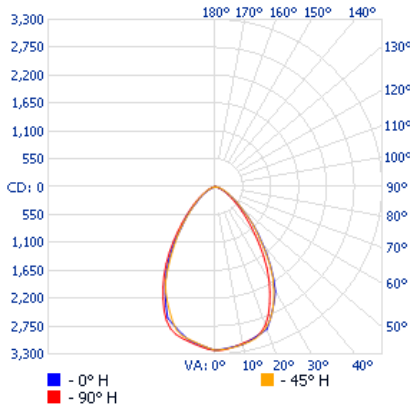
## LUMEN CHART TABLE

| LUMEN PACKAGE | OPTICS  | LENS TYPE   | VOLTS [V] | LED CURRENT [MA] | # OF LEDS | WATTS [W] | CRI | LUMENS OUTPUT [LM] | EFFICIENCY [LM/W] | LIFE L70 [HRS] | LM80 [HRS] | PF   | THD [%] |  |
|---------------|---------|-------------|-----------|------------------|-----------|-----------|-----|--------------------|-------------------|----------------|------------|------|---------|--|
| 3 000 K       |         |             |           |                  |           |           |     |                    |                   |                |            |      |         |  |
| A1            | 60°     | TRANSPARENT | 120-277   | 475              | 26        | 40        | 70  | 4 510.20           | 112.76            | ≥50 000        | 9 000      | 0.95 | 17      |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | 110°    |             | 120-277   |                  |           |           |     | 4 436.25           | 116.35            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | TYPE II |             | 120-277   |                  |           |           |     | 4 485.21           | 112.13            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
| A2            | 60°     | TRANSPARENT | 120-277   | 500              | 52        | 80        | 70  | 9 732.99           | 121.66            |                |            |      | 13      |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | 110°    |             | 120-277   |                  |           |           |     | 9 546.14           | 117.11            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | TYPE II |             | 120-277   |                  |           |           |     | 9 216.50           | 115.21            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
| A1            | 110°    | DIFFUSE     | 120-277   | 475              | 26        | 40        | 70  | 3 511.23           | 92.38             | ≥50 000        | 9 000      | 0.95 | 17      |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
| A2            | 110°    |             | 120-277   | 500              | 52        | 80        |     | 7 604.9            | 93.5              |                |            |      | 13      |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
| 4 000 K       |         |             |           |                  |           |           |     |                    |                   |                |            |      |         |  |
| A1            | 60°     | TRANSPARENT | 120-277   | 475              | 26        | 40        | 70  | 4 614.69           | 115.37            | ≥50 000        | 9 000      | 0.95 | 17      |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | 110°    |             | 120-277   |                  |           |           |     | 4 472.25           | 117.97            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | TYPE II |             | 120-277   |                  |           |           |     | 4 934.89           | 123.37            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
| A2            | 60°     | TRANSPARENT | 120-277   | 500              | 52        | 80        | 70  | 9 742.32           | 121.78            |                |            |      | 13      |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | 110°    |             | 120-277   |                  |           |           |     | 9 554.71           | 119.27            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | TYPE II |             | 120-277   |                  |           |           |     | 9 849.62           | 123.12            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
| A1            | 110°    | DIFFUSE     | 120-277   | 475              | 26        | 40        | 70  | 3 511.15           | 93.02             | ≥50 000        | 9 000      | 0.95 | 17      |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
| A2            | 110°    |             | 120-277   | 500              | 52        | 80        |     | 7 520.41           | 94.17             |                |            |      | 13      |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
| 5 000 K       |         |             |           |                  |           |           |     |                    |                   |                |            |      |         |  |
| A1            | 60°     | TRANSPARENT | 120-277   | 475              | 26        | 40        | 70  | 5 356.11           | 133.90            | ≥50 000        | 9 000      | 0.95 | 17      |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | 110°    |             | 120-277   |                  |           |           |     | 4 800.00           | 120.00            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | TYPE II |             | 120-277   |                  |           |           |     | 5 118.43           | 123.91            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
| A2            | 60°     | TRANSPARENT | 120-277   | 500              | 52        | 80        | 70  | 10 456.80          | 130.71            |                |            |      | 13      |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | 110°    |             | 120-277   |                  |           |           |     | 9 600.00           | 120.00            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               | TYPE II |             | 120-277   |                  |           |           |     | 10 249.5           | 128.82            |                |            |      |         |  |
|               |         |             | 347       |                  |           |           |     |                    |                   |                |            |      |         |  |
|               |         |             | 120-277   |                  |           |           |     |                    |                   |                |            |      |         |  |

## PHOTOMETRIC DATA

C4LA-LA1-2-B/4KIT • 4 615.7 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

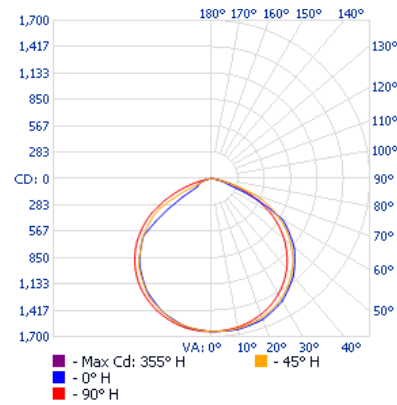
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 2 281.5 | 49.4%     |
| 0-40  | 3 308.7 | 71.7%     |
| 0-60  | 4 365.8 | 94.6%     |
| 60-90 | 249.9   | 5.4%      |
| 0-90  | 4 615.7 | 100%      |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                                           |      |  | BEAM WIDTH |       |
|--------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------------|-------|
| 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' |
| <div><div></div> Vert. Spread: 71.6°<div></div> Hor. Spread: 70.1°</div> |      |                                                                                     |            |       |

C4LA-LA1-2-B/4KJT • 4 472.8 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

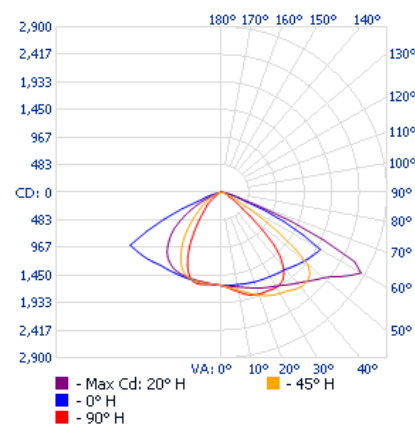
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 1 302.5 | 29.1%     |
| 0-40  | 2 157.2 | 48.2%     |
| 0-60  | 3 827.0 | 85.6%     |
| 60-90 | 645.8   | 14.4%     |
| 0-90  | 4 472.8 | 100%      |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                                              |      |  | BEAM WIDTH |        |
|-----------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------|------------|--------|
| 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' |
| <div><div></div> Vert. Spread: 112.6° <div></div> Hor. Spread: 114.4°</div> |      |                                                                                      |            |        |

C4LA-LA1-2-B/4KKT • 4 935.5 LM

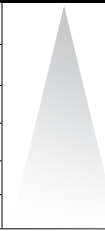
### POLAR CANDELA DISTRIBUTION



### 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%      |

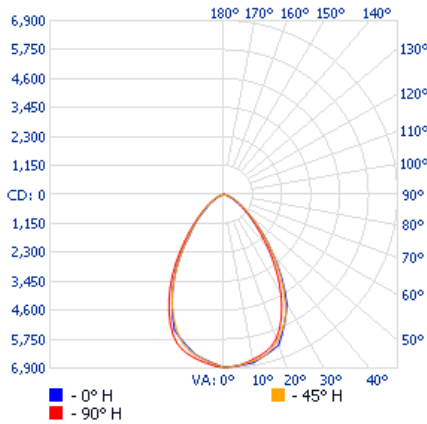
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                         |      |  | BEAM WIDTH |       |
|--------------------------------------------------------|------|---------------------------------------------------------------------------------------|------------|-------|
| 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' |
| <div>■ Vert. Spread: 131.4° ■ Hor. Spread: 32.4°</div> |      |                                                                                       |            |       |

## PHOTOMETRIC DATA

### C4LA-LA2-2-B/4KIT • 9 744.5 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

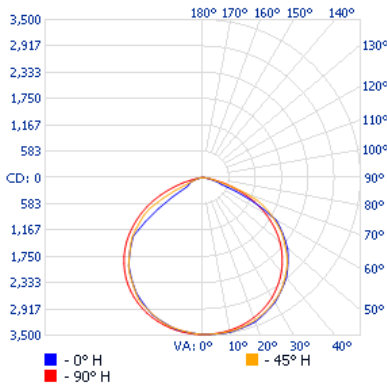
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 4 818.2 | 49.4%     |
| 0-40  | 6 981.6 | 71.7%     |
| 0-60  | 9 215.5 | 94.6%     |
| 60-90 | 528.9   | 5.4%      |
| 0-90  | 9 744.5 | 100%      |

#### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                                           |      |  | BEAM WIDTH |       |
|--------------------------------------------------------------------------|------|--|------------|-------|
| 8.3'                                                                     | 99.5 |  | 11.8'      | 11.7' |
| 16.7'                                                                    | 24.6 |  | 23.7'      | 23.5' |
| 25.0'                                                                    | 11.0 |  | 36.1'      | 35.2' |
| 33.3'                                                                    | 6.18 |  | 48.1'      | 46.9' |
| 41.7'                                                                    | 3.94 |  | 60.2'      | 58.7' |
| 50.0'                                                                    | 2.74 |  | 72.2'      | 70.4' |
| <div><div></div> Vert. Spread: 70.8°<div></div> Hor. Spread: 70.3°</div> |      |  |            |       |

### C4LA-LA2-2-B/4KJT • 9 555.8 LM

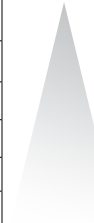
#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

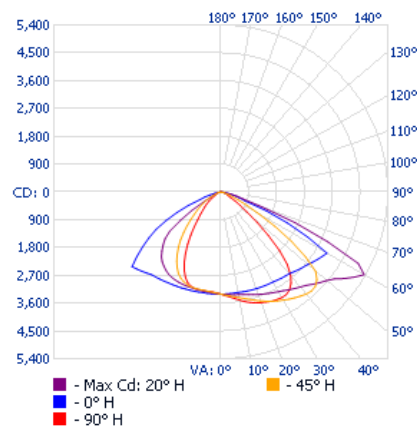
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 2 761.3 | 28.9%     |
| 0-40  | 2 577.4 | 47.9%     |
| 0-60  | 8 143.7 | 85.2%     |
| 60-90 | 1 412.2 | 14.8%     |
| 0-90  | 9 555.8 | 100%      |

#### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                                              |      |  | BEAM WIDTH |        |
|-----------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------|------------|--------|
| 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' |
| <div><div></div> Vert. Spread: 112.6° <div></div> Hor. Spread: 114.4°</div> |      |                                                                                      |            |        |

### C4LA-LA2-2-B/4KKT • 9 850.4 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

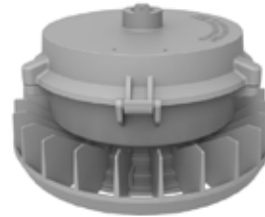
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 2 868.0 | 29.1%     |
| 0-40  | 4 900.3 | 49.7%     |
| 0-60  | 8 774.9 | 89.1%     |
| 60-90 | 1 075.5 | 10.9%     |
| 0-90  | 9 850.4 | 100%      |

#### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                              |      |  | BEAM WIDTH |       |
|---------------------------------------------|------|---------------------------------------------------------------------------------------|------------|-------|
| 8.3'                                        | 48.0 |                                                                                       | 34.4'      | 5.5'  |
| 16.7'                                       | 11.9 |                                                                                       | 69.1'      | 11.0' |
| 25.0'                                       | 5.29 |                                                                                       | 103.5'     | 16.5' |
| 33.3'                                       | 2.98 |                                                                                       | 137.8'     | 21.9' |
| 41.7'                                       | 1.90 |                                                                                       | 172.6'     | 27.4' |
| 50.0'                                       | 1.32 |                                                                                       | 207.0'     | 32.9' |
| ■ Vert. Spread: 128.4° ■ Hor. Spread: 36.4° |      |                                                                                       |            |       |

# C4A-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)



Pendant adapter



Ceiling/Wall stanchion adapter

The C4A-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 tem-

peratures can be expected. The C4A-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 colour 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 347 V (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 60W 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 lm/W to 171 lm/W. Driver input voltage are 120-277 V

or 347 V 50/60 Hz are non-dimmable and have 4kV 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 C4A-L is offered in either 3 000, 4 000 or 5 000 K with a colour 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

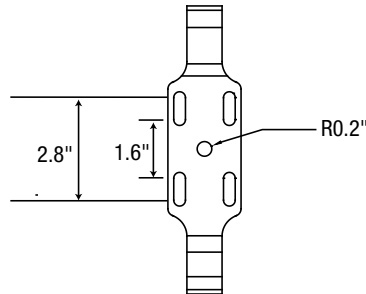
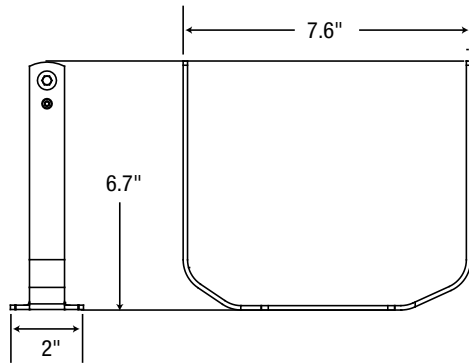
### COMPLIANCES

- 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

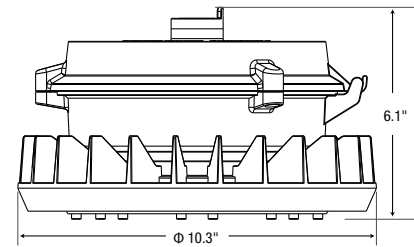
| OVERVIEW          |                                  |                       |                     |
|-------------------|----------------------------------|-----------------------|---------------------|
| LIGHT SOURCE      | LED                              | COLOR TEMPERATURE [K] | 3 000, 4 000, 5 000 |
| WATTS [W]         | 45-65 (120-277 V), 40-60 (347 V) | CRI                   | >70                 |
| LUMEN OUTPUT [LM] | 4 790 - 10 654                   | WEIGHT [LBS]          | 9.26                |
| EFFICIENCY [LM/W] | 118 - 171                        |                       |                     |

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](http://www.designlights.org/search).

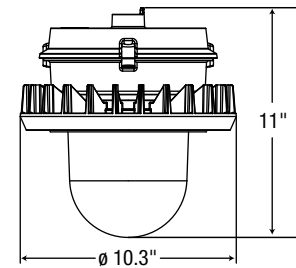
## DIMENSIONS



## WITH FLAT LENS GLASS



## WITH DROP LENS



| PART NUMBER | NET WEIGHT (LBS) | DIMENSIONS (LXWXH) |
|-------------|------------------|--------------------|
| C4A-LA1     | 9.26             | 10.2 X 5.9"        |
| C4A-LA2     |                  |                    |

## MOUNTINGS

### PENDANT [STANDARD] MOUNTING ADAPTER "P"



## ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

### CEILING/ WALL MOUNT



BKT761-HB

### CEILING/WALL STANCHION [OPTIONAL ADAPTER] MOUNTING ADAPTER "J"

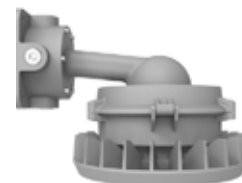


### CEILING MOUNT



JB018

### WALL MOUNT



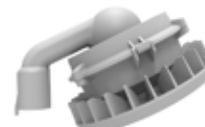
BKT771-25 OR BKT771-90

### POLE MOUNT



BKT773-P166 OR  
BKT773-P1900

### POLE MOUNT



BKT772-P166 OR  
BKT772-P1900

## QUICK SHIP ORDERING GUIDE



| PART NUMBER        | DLC UNIQUE<br>AIMLITE ID | MOUNTING<br>ADAPTER                | WATTS<br>[W] | COLOR<br>TEMP.<br>[K] | LUMEN<br>OUTPUT<br>[LM] | EFFI-<br>CIENCY<br>[LM/W] | CRI | LIFE<br>L70<br>[HRS] | LM80  | LED<br>CUR-<br>RENT<br>[MA] | PF   | THD<br>[%] | B.U.G.<br>RATING | BEAM<br>ANGLE<br>[°] | CASE<br>QTY<br>[MAS-<br>TER] |
|--------------------|--------------------------|------------------------------------|--------------|-----------------------|-------------------------|---------------------------|-----|----------------------|-------|-----------------------------|------|------------|------------------|----------------------|------------------------------|
| 120-277 V          |                          |                                    |              |                       |                         |                           |     |                      |       |                             |      |            |                  |                      |                              |
| C4A-LA1-2-C/40K-TP | PLQP1ZAGAXQJ             | PENDANT                            | 45           | 4 000                 | 6 750                   | 140                       | 70  | 54 000               | 9 000 | 42                          | 1.00 | 13         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA2-2-C/40K-TP | PL7PTC8CBGZH             |                                    | 65           | 4 000                 | 9 750                   | 144                       | 70  | 54 000               | 9 000 | 43                          | 0.99 | 11         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA1-2-C/50K-TP | PCSIVN09                 |                                    | 45           | 5 000                 | 6 750                   | 150                       | 70  | 54 000               | 9 000 | 42                          | 1.00 | 13         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA2-2-C/50K-TP | PRQZRC03                 |                                    | 65           | 5 000                 | 9 750                   | 150                       | 70  | 54 000               | 9 000 | 43                          | 0.99 | 11         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA1-2-C/40K-TJ | PLQP1ZAGAXQJ             | CEILING/<br>WALL<br>STAN-<br>CHION | 45           | 4 000                 | 6 750                   | 140                       | 70  | 54 000               | 9 000 | 42                          | 1.00 | 13         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA2-2-C/40K-TJ | PL7PTC8CBGZH             |                                    | 65           | 4 000                 | 9 750                   | 144                       | 70  | 54 000               | 9 000 | 43                          | 0.99 | 11         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA1-2-C/50K-TJ | N/A                      |                                    | 45           | 5 000                 | 6 750                   | 150                       | 70  | 54 000               | 9 000 | 42                          | 1.00 | 13         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA2-2-C/50K-TJ | N/A                      |                                    | 65           | 5 000                 | 9 750                   | 150                       | 70  | 54 000               | 9 000 | 43                          | 0.99 | 11         | B4-U0-G1         | 110                  | 1                            |
| 347 V              |                          |                                    |              |                       |                         |                           |     |                      |       |                             |      |            |                  |                      |                              |
| C4A-LA1-8-C/40K-TP | N/A                      | PENDANT                            | 45           | 4 000                 | 6 750                   | 157                       | 70  | 54 000               | 9 000 | 37                          | 0.97 | 13         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA2-8-C/40K-TP | N/A                      |                                    | 65           | 4 000                 | 9 750                   | 169                       | 70  | 54 000               | 9 000 | 41                          | 0.98 | 11         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA1-8-C/50K-TP | PLQGIV5NHX51             |                                    | 45           | 5 000                 | 6 750                   | 156                       | 70  | 54 000               | 9 000 | 37                          | 0.97 | 13         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA2-8-C/50K-TP | PLQAXAKUYXCF             |                                    | 65           | 5 000                 | 9 750                   | 171                       | 70  | 54 000               | 9 000 | 41                          | 0.98 | 11         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA1-8-C/40K-TJ | N/A                      | CEILING/<br>WALL<br>STAN-<br>CHION | 45           | 4 000                 | 6 750                   | 157                       | 70  | 54 000               | 9 000 | 37                          | 0.97 | 13         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA2-8-C/40K-TJ | N/A                      |                                    | 45           | 4 000                 | 9 750                   | 169                       | 70  | 54 000               | 9 000 | 41                          | 0.98 | 11         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA1-8-C/50K-TJ | N/A                      |                                    | 45           | 5 000                 | 6 750                   | 156                       | 70  | 54 000               | 9 000 | 37                          | 0.97 | 13         | B4-U0-G1         | 110                  | 1                            |
| C4A-LA2-8-C/50K-TJ | N/A                      |                                    | 65           | 5 000                 | 9 750                   | 171                       | 70  | 54 000               | 9 000 | 41                          | 0.98 | 11         | B4-U0-G1         | 110                  | 1                            |

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

## ORDERING GUIDE

| C4A    | L            |                                                           |                        | C                                                                                          | /                                         |                                                                                                       |                                                                 |
|--------|--------------|-----------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| SERIES | LAMP<br>TYPE | LUMEN PACKAGE<br>[LM]                                     | VOLTS<br>[VAC]         | HAZLOC                                                                                     | COLOR TEMP.<br>[K]                        | LENS OPTION                                                                                           | MOUNTING ADAPTER                                                |
| C4A    | L - LED      | A1 - REFER TO<br>A2 - LUMEN<br>CHART TABLE<br>FOR DETAILS | 2 - 120-277<br>8 - 347 | C - CLASS I<br>DIVISION 2<br>CLASS II<br>DIVISION 1<br>CLASS II<br>DIVISION 2<br>CLASS III | 30K - 3 000<br>40K - 4 000<br>50K - 5 000 | D - DIFFUSE<br>TEMPERED GLASS<br>T - TRANSPARENT<br>TEMPERED GLASS<br>L - DROP LENS<br>TEMPERED GLASS | P - NPT 3/4" PENDANT<br>J <sup>1</sup> - CEILING/WALL STANCHION |

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

## ACCESSORIES

TO BE USED WITH "J" MOUNTING ADAPTER (ORDER SEPARATELY)

| PART #       | DESCRIPTION                                 |
|--------------|---------------------------------------------|
| 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"]                   |
| WG0070       | STAINLESS STEEL WIRE GUARD                  |
| WG0071       | STAINLESS STEEL WIRE GUARD<br>FOR DROP LENS |
| HAR1056      | STAINLESS STEEL SAFETY<br>CABLE KIT         |



**JB018**  
Junction box  
NPT 3/4"



**BKT771-25**  
Wall mount 25°



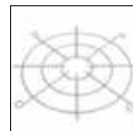
**BKT771-90**  
Wall mount 90°



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



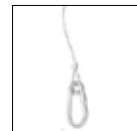
**BKT773-P166 OR  
BKT773-P1900**  
Stanchion-90°



**WG0070**  
Stainless steel  
wire guard



**WG0071**  
Stainless steel wire  
guard for drop lens



**HAR1056**  
Stainless steel  
safety cable kit

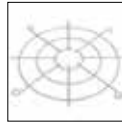
## ACCESSORIES

TO BE USED WITH "P" MOUNTING ADAPTER (ORDER SEPARATELY)

| PART #    | DESCRIPTION                              |
|-----------|------------------------------------------|
| BKT761-HB | U-BRACKET (SUS 304)                      |
| WG0070    | STAINLESS STEEL WIRE GUARD               |
| WG0071    | STAINLESS STEEL WIRE GUARD FOR DROP LENS |
| HAR1056   | STAINLESS STEEL SAFETY CABLE KIT         |



**BKT761-HB**  
U-Bracket  
(SUS 304)



**WG0070**  
Stainless steel  
wire guard



**WG0071**  
Stainless steel  
wire guard for  
drop lens



**HAR1056**  
Stainless steel  
safety cable kit

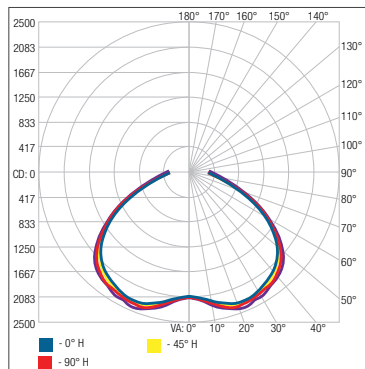
## TECHNICAL SPECIFICATION TABLE

| ELECTRICAL DATA |             |             |                  |           |           |     |                    |                   |                |       |      |         |            |
|-----------------|-------------|-------------|------------------|-----------|-----------|-----|--------------------|-------------------|----------------|-------|------|---------|------------|
| PACKAGE         | VOLTS [VAC] | LENS TYPE   | LED CURRENT [MA] | # OF LEDS | WATTS [W] | CRI | LUMENS OUTPUT [LM] | EFFI- CIENCY LM/W | LIFE L70 [HRS] | LM80  | PF   | THD [%] | BUG RATING |
| 3 000 K         |             |             |                  |           |           |     |                    |                   |                |       |      |         |            |
| A1              | 120-277     | TRANSPARENT | 42               | 40        | 45        | 70  | 8 483              | 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   |
| A2              | 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   |
| A1              | 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   |
| A2              | 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   |
| A1              | 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   |
| A2              | 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         |             |             |                  |           |           |     |                    |                   |                |       |      |         |            |
| A1              | 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   |
| A2              | 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   |
| A1              | 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   |
| A2              | 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         |             |             |                  |           |           |     |                    |                   |                |       |      |         |            |
| A1              | 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   |
| A2              | 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   |
| A1              | 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   |
| A2              | 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 DATA<sup>1</sup>

C4A-LA2-2-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

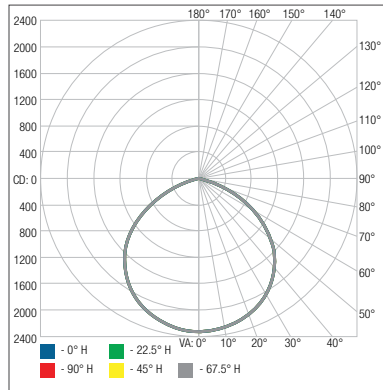
| CENTER BEAM FC |      | BEAM WIDTH |        |
|----------------|------|------------|--------|
| 17.0'          | 7.21 | 67.6'      | 67.8'  |
| 34.0'          | 1.80 | 135.3'     | 135.6' |
| 51.0'          | 0.80 | 202.9'     | 203.4' |
| 68.0'          | 0.45 | 270.6'     | 271.2' |
| 85.0'          | 0.29 | 338.2'     | 339.0' |
| 102.0'         | 0.20 | 405.9'     | 406.8' |

■ Vert. Spread: 126.6° ■ Hor. Spread: 126.7°

## PHOTOMETRIC DATA<sup>1</sup>

C4A-LA1-2-C/40K-T • 6 289.0 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

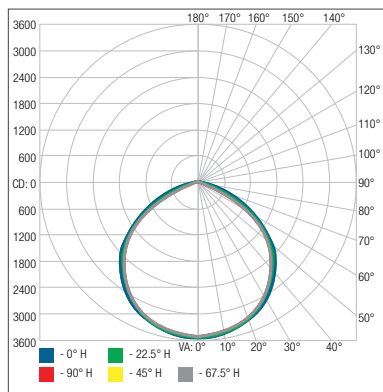
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 1 829.0 | 29.1      |
| 0-40  | 3 018.5 | 48        |
| 0-60  | 5 338.3 | 84.9      |
| 60-90 | 950.6   | 15.1      |
| 0-90  | 6 289.0 | 100       |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      |                                              | BEAM WIDTH |       |
|----------------|------|----------------------------------------------|------------|-------|
|                |      |                                              |            |       |
| 1.7'           | 804  |                                              | 5.1'       | 5.0'  |
| 3.3'           | 213  |                                              | 9.9'       | 9.6'  |
| 5.0'           | 93.0 |                                              | 14.9'      | 14.6' |
| 6.7'           | 51.8 |                                              | 20.0'      | 19.5' |
| 8.3'           | 33.7 |                                              | 24.8'      | 24.2' |
| 10.0'          | 23.2 |                                              | 29.9'      | 29.2' |
|                |      | ■ Vert. Spread: 112.4° ■ Hor. Spread: 111.1° |            |       |

C4A-LA2-2-C/40K-T • 9 337.9 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

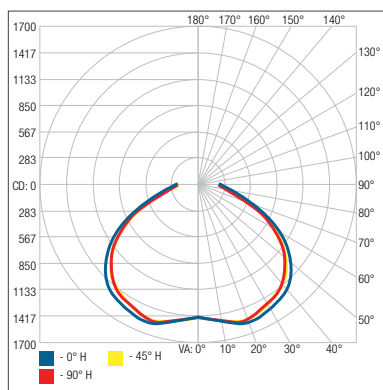
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 2 777.8 | 29.7      |
| 0-40  | 4 572.2 | 49        |
| 0-60  | 8 007.4 | 85.8      |
| 60-90 | 1 330.4 | 14.2      |
| 0-90  | 9 337.9 | 100       |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |       |                                              | BEAM WIDTH |       |
|----------------|-------|----------------------------------------------|------------|-------|
|                |       |                                              |            |       |
| 1.7'           | 1 230 |                                              | 5.1'       | 4.7'  |
| 3.3'           | 326   |                                              | 9.9'       | 9.1'  |
| 5.0'           | 142   |                                              | 15.1'      | 13.8' |
| 6.7'           | 79.2  |                                              | 20.2'      | 18.5' |
| 8.3'           | 51.6  |                                              | 25.0'      | 22.9' |
| 10.0'          | 35.5  |                                              | 30.1'      | 27.6' |
|                |       | ■ Vert. Spread: 112.8° ■ Hor. Spread: 108.2° |            |       |

C4A-LA1-2-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 |       |
|----------------|------|----------------------------------------------|------------|-------|
|                |      |                                              |            |       |
| 17.0'          | 4.98 |                                              | 67.0'      | 73.8  |
| 34.0'          | 1.24 |                                              | 134.1'     | 147.6 |
| 51.0'          | 0.55 |                                              | 201.1'     | 221.5 |
| 68.0'          | 0.31 |                                              | 268.2'     | 295.3 |
| 85.0'          | 0.20 |                                              | 335.2'     | 369.1 |
| 102.0'         | 0.14 |                                              | 402.3'     | 442.9 |
|                |      | ■ Vert. Spread: 126.2° ■ Hor. Spread: 130.5° |            |       |

# VWX4-L

## HAZARDOUS LOCATION LED VAPOR TIGHT

CLASS I, DIVISION 2 & CLASS III, DIVISION 1 & 2



The VWX4-L sealed 4ft 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).

### APPLICATIONS

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

### FEATURES AND SPECIFICATIONS

#### 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 ft

##### 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

**Ambient temperature**  
-40°C to +40°C

#### Mounting

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

#### ELECTRICAL

##### Driver

- 120-277V and 347V
- 0-10V dimming driver standard
- Suitable for cold location [-40°C]

#### 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 for class A products
- CSA certified to C22.2 #250.0, #250.13, #137
- CSA
- UL1598, UL8750

| OVERVIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |                          |                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------|------------------------------------------------------------------------------------------------------|
| LIGHT SOURCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LED              | CRI                      | 80+                                                                                                  |
| WATTS [W]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 43 - 85          | WEIGHT [LBS]             | 14.15                                                                                                |
| LUMEN OUTPUT [LM]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3862 - 7520      | AMBIENT TEMPERATURE [°C] | -40°C TO +40°C                                                                                       |
| EFFICIENCY [LM/W]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 88.4 - 89.8      | CONSTRUCTION             | FIBERGLASS HOUSING, IMPACT RESISTANT ACRYLIC LENS, POM LATCHES AND STAINLESS STEEL MOUNTING HARDWARE |
| COLOR TEMPERATURE [K]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3500, 4000, 5000 | MOUNTING                 | SURFACE, SUSPENDED                                                                                   |
| <div>   PREMIUM QUALITY            LED            WET LOCATION            HAZARDOUS LOCATION            66 IP RATING            67 IP RATING            ICES 005             </div> |                  |                          |                                                                                                      |

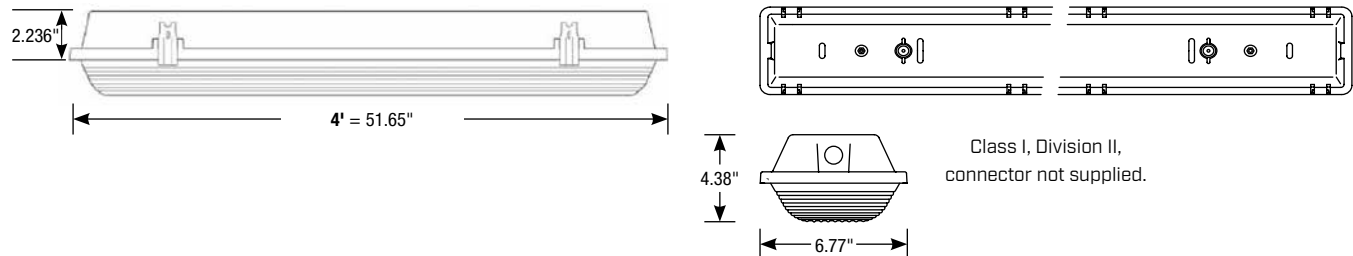
## ORDERING GUIDE

| VWX4 — L |           |                                                                                                 |                    |                        |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|----------|-----------|-------------------------------------------------------------------------------------------------|--------------------|------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SERIES   | LAMP TYPE | LUMEN PACKAGE [LM]                                                                              | CRI                | VOLTS [VAC]            | COLOR TEMP. [K]                                      | OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| VWX4     | L - LED   | A1A - REFER TO THE<br>A2A - TECHNICAL<br>A3A - SPECIFICATION<br>A4A - TABLE FOR MORE<br>DETAILS | 80 - 80<br>90 - 90 | 2 - 120-277<br>8 - 347 | 30K - 3000<br>35K - 3500<br>40K - 4000<br>50K - 5000 | SS - STAINLESS STEEL LATCHES<br>KV - 10KV SURGE PROTECTOR<br>DL - EMERGENCY BACK UP (0°C-25°C)<br>PC - POLYCARBONATE RIBBED FROSTED LENS<br>SFAL - SMOOTH FROSTED ACRYLIC LENS<br>SFPL - SMOOTH FROSTED POLYCARBONATE LENS<br>TP - VANDAL RESISTANT SCREWS<br>L6 - 6' WHITE POWER CORD<br>L10 - 10' WHITE POWER CORD<br>AC - AVIATION CABLE KIT<br>RGB-45 - WALL MOUNT BRACKET (45°)<br>L6-BK - 6' BLACK POWER CORD<br>L10-BK - 10' BLACK POWER CORD |  |

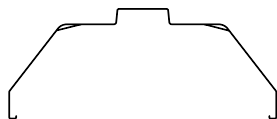
## TECHNICAL SPECIFICATION TABLE

| 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] |     |                |                          |              |         |
| A1A           | 31        | 120-277<br>347 | 3 797      | 124               | 3 889      | 127               | 3 999      | 130               | 4 141      | 135               | 80+ | 189 000        | 10 000                   | 0.97         | 11      |
| A2A           | 40        |                | 5 223      | 131               | 5 349      | 134               | 5 500      | 138               | 5 695      | 143               | 80+ | 189 000        | 10 000                   | 0.97         | 11      |
| A3A           | 60        |                | 7 314      | 123               | 7 490      | 126               | 7 703      | 130               | 7 976      | 134               | 80+ | 189 000        | 10 000                   | 0.98         | 9       |
| A4A           | 79        |                | 9 212      | 117               | 9 435      | 120               | 9 703      | 124               | 10 047     | 128               | 80+ | 189 000        | 10 000                   | 0.98         | 10      |

## DIMENSIONS



### CEILING MOUNTING BRACKETS<sup>1</sup>



### BAIL BRACKETS<sup>1</sup>



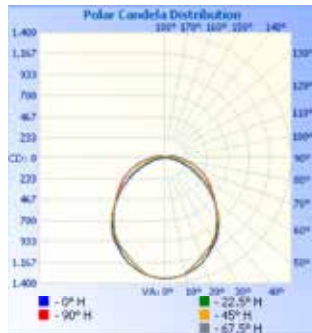
<sup>1</sup> Included.

# VWX4-L

## PHOTOMETRIC DATA

VWX4-LA1-(2/8)/40K • 3862.2LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 1006.6 | 26.1      |
| 0-40   | 1635.5 | 42.3      |
| 0-60   | 2804.4 | 72.6      |
| 60-90  | 871.5  | 22.6      |
| 70-100 | 542.5  | 14        |
| 90-120 | 174.9  | 4.5       |
| 0-90   | 3676.0 | 95.2      |
| 90-180 | 186.2  | 4.8       |
| 0-180  | 3862.2 | 100       |

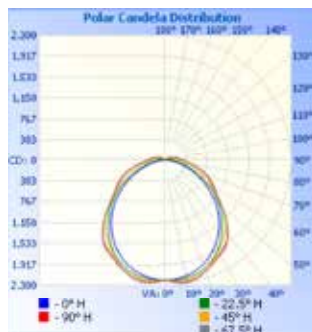
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | BEAM WIDTH |
|----------------|------------|
| 2.0'           | 336.8      |
| 4.0'           | 84.2       |
| 6.0'           | 37.4       |
| 8.0'           | 21.0       |
| 10.0'          | 13.5       |

■ Vert. Spread: 101.4° ■ Hor. Spread: 104.9°

VWX4-LA3-(2/8)/40K • 7131.8LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 1774.0 | 24.9      |
| 0-40   | 2918.0 | 40.9      |
| 0-60   | 5106.6 | 71.6      |
| 60-90  | 1648.0 | 23.1      |
| 70-100 | 1044.7 | 14.6      |
| 90-120 | 357    | 5         |
| 0-90   | 6754.6 | 94.7      |
| 90-180 | 377.3  | 5.3       |
| 0-180  | 7131.8 | 100       |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | BEAM WIDTH |
|----------------|------------|
| 2.0'           | 551.8      |
| 4.0'           | 137.9      |
| 6.0'           | 61.3       |
| 8.0'           | 34.5       |
| 10.0'          | 22.1       |

■ Vert. Spread: 104.8° ■ Hor. Spread: 112.4°

# VWX4-L

## HAZARDOUS LOCATION

## LED VAPOR TIGHT

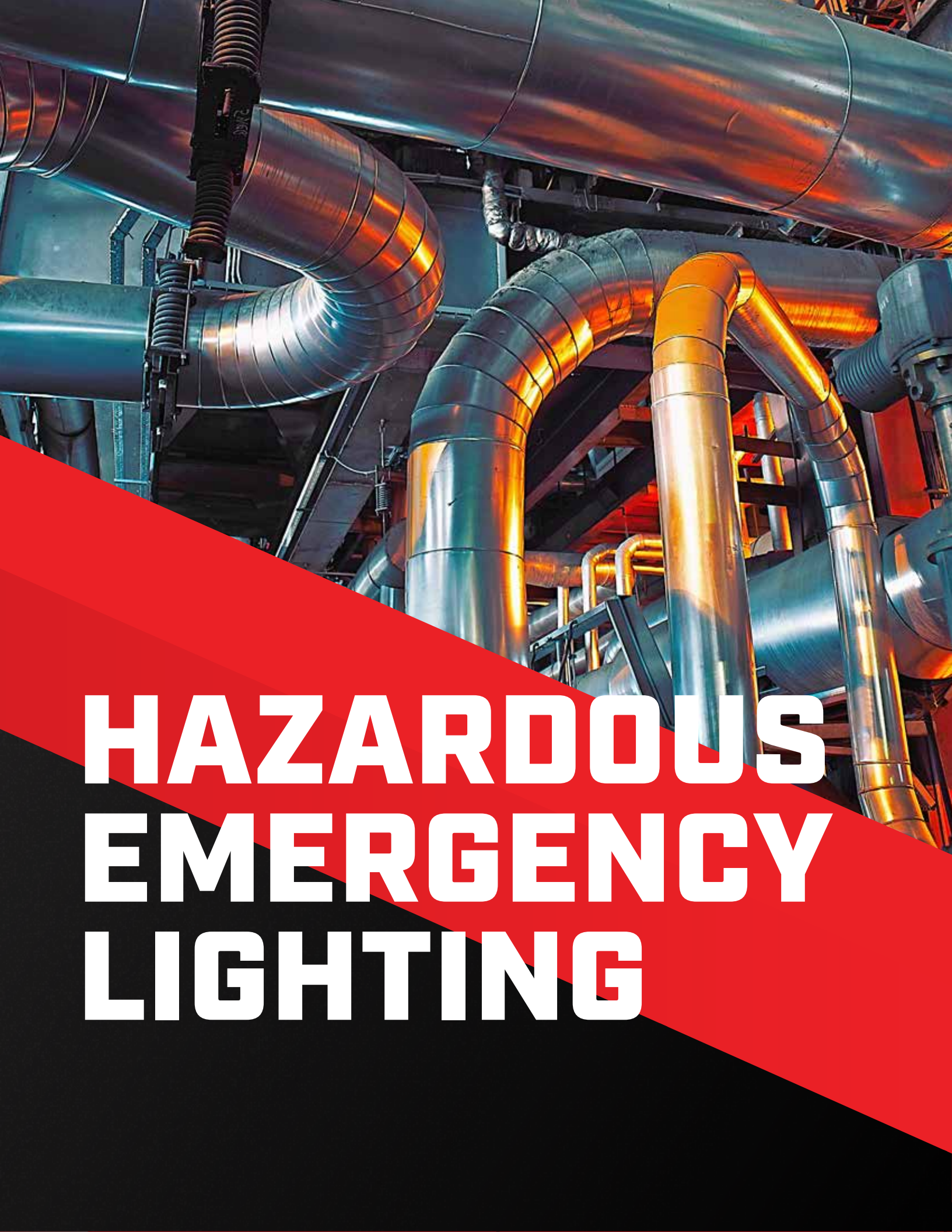
CLASS I, DIVISION 2 & CLASS III, DIVISION 1 & 2

The VWX4-L sealed 4ft 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).

## APPLICATIONS

- Clean rooms
- Chemical processing facility





# **HAZARDOUS EMERGENCY LIGHTING**

# RPHZ HAZARDOUS LOCATION

CLASS I, DIVISION 1 & 2, GROUPS C & D, ZONE 1 & 2,  
GROUPS IIA & IIB  
AC, AC/DC  
120/347VAC INPUT



The RPHZ 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 & SPECIFICATIONS

### CIRCUITRY - AC & AC/DC

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

### 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

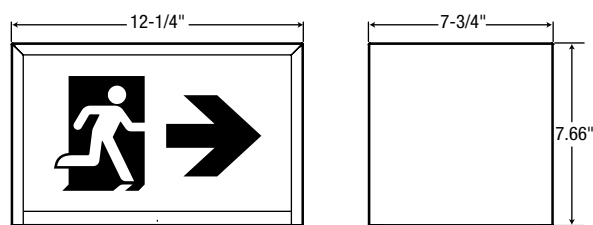
- Meets requirements of ICES-005

| OVERVIEW                                                                                                                                                                                                                                                                                                                                                                                                                   |             |                 |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|-----|
| LIGHT SOURCE                                                                                                                                                                                                                                                                                                                                                                                                               | LED         | INPUT POWER [W] | 3.4 |
| INPUT VOLTAGE [VAC]                                                                                                                                                                                                                                                                                                                                                                                                        | 120/347     | DC POWER [W]    | 1.8 |
| INPUT VOLTAGE [VDC]                                                                                                                                                                                                                                                                                                                                                                                                        | 6, 12 OR 24 |                 |     |
| <div>  LED            HAZARDOUS LOCATION            ICES 005            </div> |             |                 |     |

## ORDERING GUIDE

| RPHZ   |                                    |                                                          | 1     | 1    | CD     | /                                               |                                                                                                         |
|--------|------------------------------------|----------------------------------------------------------|-------|------|--------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| SERIES | NBR OF FACES                       | MOUNTING                                                 | CLASS | DIV. | GROUP  | VOLTS (VDC)                                     | OPTIONS                                                                                                 |
| RPHZ   | 1 - SINGLE FACE<br>2 - DOUBLE FACE | C - CEILING MOUNT<br>P - PENDANT MOUNT<br>W - WALL MOUNT | 1     | 1    | C<br>D | BLANK - AC ONLY<br>06 - 6<br>12 - 12<br>24 - 24 | SPW - SPECIAL WORDING OR GRAPHIC<br>0 - NO INDICATORS (DOUBLE FACE ONLY)<br>↓ ↑ ↗ ↘ ↙ ↘<br>D U URDRDLUL |

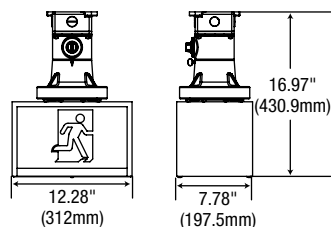
## DIMENSIONS



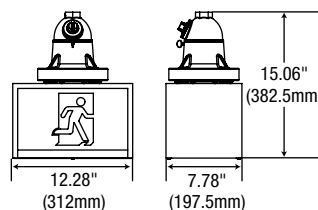
Comes standard (single face) with three pictogram legends for direction selection.

## MOUNTING

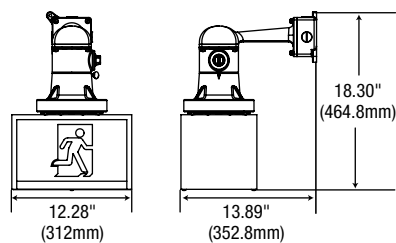
### CEILING



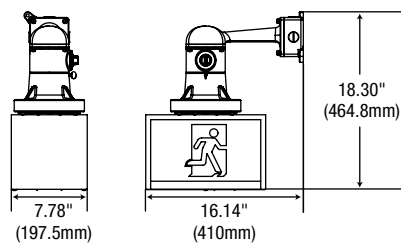
### PENDANT



### WALL - SINGLE FACE



### WALL - DOUBLE FACE



# RPZN2

## HAZARDOUS LOCATION

CLASS I, DIVISION 2, GROUPS A, B, C, D, ZONE 2,  
GROUPS IIA, IIB, IIC  
AC, AC/DC & SELF-POWERED

The RPZN2 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.



(self powered version)

### FEATURES & SPECIFICATIONS

#### ELECTRICAL - AC/DC

- LED ultra bright light source
- 120/347VAC Input, field selectable
- 3.6 Watt power consumption
- Emergency DC wattages as follows:  
**6VDC = 1.8W 12VDC = 1.8W**  
**24VDC = 1.8W**

#### ELECTRICAL - SELF-POWERED

- LED ultra bright light source
- 120/347VAC Input, field selectable
- 4 Watt 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

#### OVERVIEW

|                     |                             |                      |              |
|---------------------|-----------------------------|----------------------|--------------|
| LIGHT SOURCE        | LED                         | OUTPUT VOLTAGE (VDC) | 6, 12, OR 24 |
| INPUT VOLTAGE (VAC) | 120/347                     | DC POWER (W)         | 1.8          |
| INPUT POWER (W)     | 3.6 AC/DC<br>4 SELF-POWERED |                      |              |



LED



HAZARDOUS  
LOCATION



ICES  
005



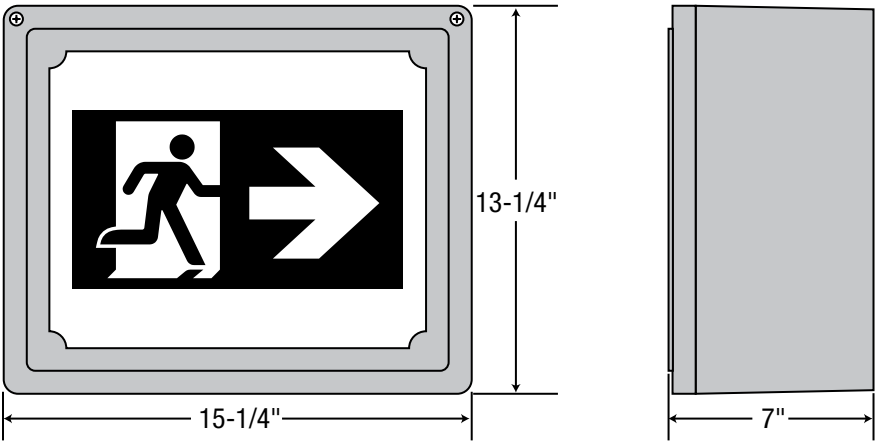
ORDERING GUIDE

|        |                 |            |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------|-----------------|------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RPZN2  | 1               | GRY        |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SERIES | NBR OF FACES    | COLOR      | OPERATION                                                                                | OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RPZN2  | 1 - SINGLE FACE | GRY - GREY | UNVDC - UNIVERSAL DC BACKUP VOLTAGE FROM 6 TO 24VDC<br>BAT - SELF-POWERED FOR 90 MINUTES |      <br>D U URDRDLUL |

TEMPERATURE CODES

|       |        |        |
|-------|--------|--------|
|       | [25°C] | [40°C] |
| UNVDC | T6     | T6     |
| BAT   | T6     | T5     |

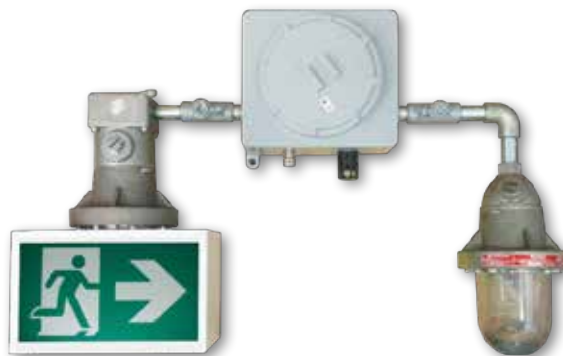
DIMENSIONS



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

# CRPHZ HAZARDOUS LOCATION RUNNING MAN COMBO

CLASS I, DIVISION 1, GROUPS C & D, ZONE 1 & 2,  
GROUPS IIA & IIB  
6VDC, 12VDC OR 24VDC MODELS  
120 OR 347VAC INPUT



Designed to meet the strictest codes and standards, the CRPHZ series of hazardous location combination running man signs and battery units provides safe and dependable operation. The CRPHZ 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 & 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 4.8W
- 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 C86D-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          | OUTPUT POWER (W)           | 36 - 320 |
| INPUT VOLTAGE (VAC)                                                                                                                                                                                                                                                                                                                                                             | 120 OR 347   | SIGN POWER CONSUMPTION (W) | 4.8      |
| OUTPUT VOLTAGE (VDC)                                                                                                                                                                                                                                                                                                                                                            | 6, 12, OR 24 | SIGN DC CONSUMPTION (W)    | 3.4      |
|  LED  HAZARDOUS LOCATION  ICES 005  |              |                            |          |

For complete warranty details, please see our terms and conditions on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.

All products are subject to change or may be discontinued any time without notice.

## ORDERING GUIDE

| CRPHZ  |                              |                        |                                    | 1     | 1    | CD     | —12              |                                                      | /                        |                                                                 |
|--------|------------------------------|------------------------|------------------------------------|-------|------|--------|------------------|------------------------------------------------------|--------------------------|-----------------------------------------------------------------|
| SERIES | VOLTS [VDC]                  | WATTS [W]              | NBR OF FACES                       | CLASS | DIV. | GROUP  | HEAD             | LAMP/HEAD                                            | LAMP                     | OPTIONS                                                         |
| CRPHZ  | 06 - 6<br>12 - 12<br>24 - 24 | SEE MODEL RATING BELOW | 1 - SINGLE FACE<br>2 - DOUBLE FACE | 1     | 1    | C<br>D | 12 - SINGLE HEAD | 1 - SINGLE LAMP ASSEMBLY<br>2 - DOUBLE LAMP ASSEMBLY | SEE LAMP SELECTION BELOW | 0 - NO INDICATORS (DOUBLE FACE ONLY)<br>↓ ↑ ↗ ↘<br>D U URDRDLUL |

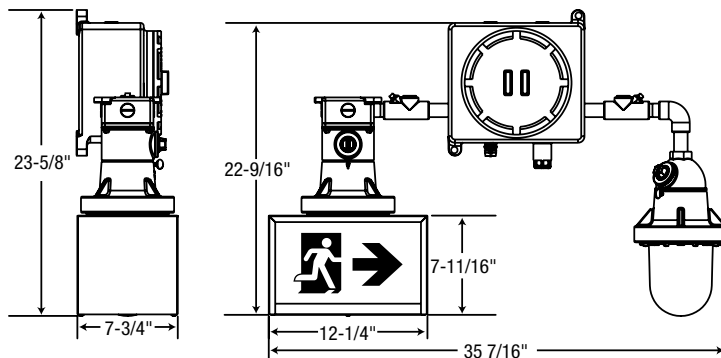
## LAMP SELECTION

|      | 6VDC       | 12VDC                  | 24VDC                  |
|------|------------|------------------------|------------------------|
| MR16 |            |                        |                        |
| LED  | 4WLR, 5WLA | 4WLR, 5WLA, 6WLA, 7WLA | 4WLR, 5WLA, 6WLA, 7WLA |

## MODEL RATINGS

| WATTAGE CAPACITIES |             |         |         |         |          |                            |
|--------------------|-------------|---------|---------|---------|----------|----------------------------|
| MODEL              | VOLTS [VDC] | 30 MIN. | 60 MIN. | 90 MIN. | 120 MIN. | HOUSING DIMENSIONS         |
| CRPHZ06036         | 6           | 36      | 18      | 12      | 9        | A: 10.63" X 9.25" X 6.75"  |
| CRPHZ06050         | 6           | 50      | 25      | 16      | 12       | A: 10.63" X 9.25" X 6.75"  |
| CRPHZ06072         | 6           | 72      | 36      | 24      | 18       | A: 10.63" X 9.25" X 6.75"  |
| CRPHZ12036         | 12          | 36      | 18      | 12      | 9        | A: 10.63" X 9.25" X 6.75"  |
| CRPHZ12050         | 12          | 50      | 25      | 16      | 12       | A: 10.63" X 9.25" X 6.75"  |
| CRPHZ12072         | 12          | 72      | 36      | 24      | 18       | A: 10.63" X 9.25" X 6.75"  |
| CRPHZ12100         | 12          | 100     | 50      | 33      | 25       | B: 12.44" X 12.44" X 8.44" |
| CRPHZ12160         | 12          | 160     | 80      | 55      | 40       | B: 12.44" X 12.44" X 8.44" |
| CRPHZ12200         | 12          | 200     | 100     | 75      | 50       | B: 12.44" X 12.44" X 8.44" |
| CRPHZ24144         | 24          | 144     | 72      | 48      | 36       | B: 12.44" X 12.44" X 8.44" |
| CRPHZ24320         | 24          | 320     | 160     | 106     | 80       | B: 12.44" X 12.44" X 8.44" |

## DIMENSIONS



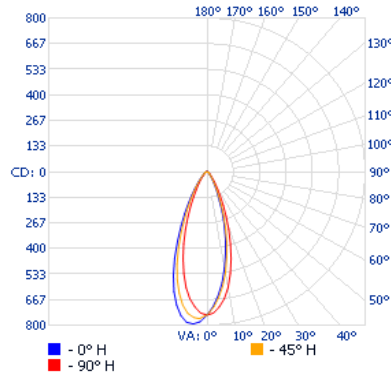
Comes standard (single face) with three pictogram legends for direction selection.

| HOUSING DIMENSIONS |                         |
|--------------------|-------------------------|
| A -                | 10.63" X 9.25" X 6.75"  |
| B -                | 12.44" X 12.44" X 8.44" |

## PHOTOMETRIC DATA

### MR16-06-24V4WLR • 228.7LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

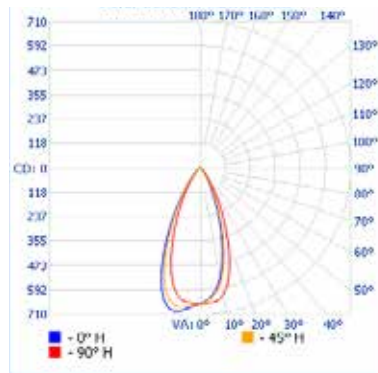
| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 164.4  | 71.9%     |
| 0-40   | 182.0  | 79.6%     |
| 0-60   | 214.8  | 93.9%     |
| 60-90  | 13.9   | 6.1%      |
| 70-100 | 4.1    | 1.8%      |
| 90-120 | 0      | 0%        |
| 0-90   | 228.7  | 100%      |
| 90-180 | 0      | 0%        |
| 0-180  | 228.7  | 100%      |

#### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC        |      |  | BEAM WIDTH |  |
|-----------------------|------|-------------------------------------------------------------------------------------|------------|--|
| 1.7'                  | 168  |                                                                                     | 1.1'       |  |
| 3.3'                  | 44.5 |                                                                                     | 2.1'       |  |
| 5.0'                  | 19.4 |                                                                                     | 3.2'       |  |
| 6.7'                  | 10.8 |                                                                                     | 4.3'       |  |
| 8.3'                  | 7.04 |                                                                                     | 5.3'       |  |
| 10.0'                 | 4.85 |                                                                                     | 6.4'       |  |
| ■ Vert. Spread: 35.4° |      |                                                                                     |            |  |

### MR16-06-24V5WLA • 440.7LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

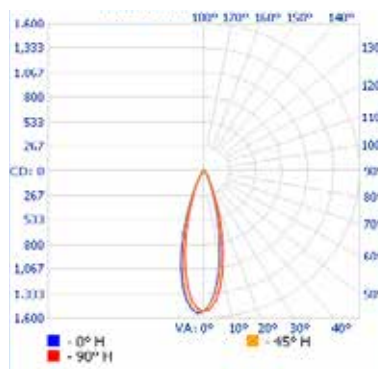
| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 352.6  | 80%       |
| 0-40   | 391.8  | 88.9%     |
| 0-60   | 427.2  | 96.9%     |
| 60-90  | 13.5   | 3.1%      |
| 70-100 | 4.3    | 1%        |
| 90-120 | 0      | 0%        |
| 0-90   | 440.7  | 100%      |
| 90-180 | 0      | 0%        |
| 0-180  | 440.7  | 100%      |

#### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                                           |      |  | BEAM WIDTH |      |
|--------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------|------------|------|
| 1.7'                                                                     | 407  |                                                                                      | 0.9'       | 1.0' |
| 3.3'                                                                     | 108  |                                                                                      | 1.7'       | 1.9' |
| 5.0'                                                                     | 47.0 |                                                                                      | 2.6'       | 2.8' |
| 6.7'                                                                     | 26.2 |                                                                                      | 3.5'       | 3.8' |
| 8.3'                                                                     | 17.1 |                                                                                      | 4.3'       | 4.7' |
| 10.0'                                                                    | 11.8 |                                                                                      | 5.2'       | 5.7' |
| <div><div></div> Vert. Spread: 29.3°<div></div> Hor. Spread: 31.7°</div> |      |                                                                                      |            |      |

### MR16-12-24V6WLA • 508.7LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 407.0  | 80%       |
| 0-40   | 452.3  | 88.9%     |
| 0-60   | 493.1  | 96.9%     |
| 60-90  | 15.6   | 3.1%      |
| 70-100 | 4.9    | 1%        |
| 90-120 | 0      | 0%        |
| 0-90   | 508.7  | 100%      |
| 90-180 | 0      | 0%        |
| 0-180  | 508.7  | 100%      |

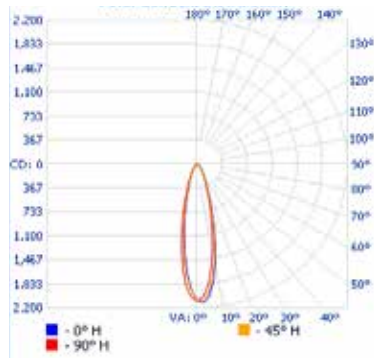
#### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                        |      |  | BEAM WIDTH |      |
|-------------------------------------------------------|------|---------------------------------------------------------------------------------------|------------|------|
| 1.7'                                                  | 470  |                                                                                       | 0.9'       | 1.0' |
| 3.3'                                                  | 125  |                                                                                       | 1.7'       | 1.9' |
| 5.0'                                                  | 54.3 |                                                                                       | 2.6'       | 2.8' |
| 6.7'                                                  | 30.2 |                                                                                       | 3.5'       | 3.8' |
| 8.3'                                                  | 19.7 |                                                                                       | 4.3'       | 4.7' |
| 10.0'                                                 | 13.6 |                                                                                       | 5.2'       | 5.7' |
| <div>■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°</div> |      |                                                                                       |            |      |

## PHOTOMETRIC DATA

MR16-12-24V7WLA • 635.2LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 508.2  | 80%       |
| 0-40   | 564.7  | 88.9%     |
| 0-60   | 615.7  | 96.9%     |
| 60-90  | 19.5   | 3.1%      |
| 70-100 | 6.1    | 1%        |
| 90-120 | 0      | 0%        |
| 0-90   | 635.2  | 100%      |
| 90-180 | 0      | 0%        |
| 0-180  | 635.2  | 100%      |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | BEAM WIDTH |      |
|----------------|------|------------|------|
| 1.7'           | 587  | 0.9'       | 1.0' |
| 3.3'           | 156  | 1.7'       | 1.9' |
| 5.0'           | 67.8 | 2.6'       | 2.8' |
| 6.7'           | 37.8 | 3.5'       | 3.8' |
| 8.3'           | 24.6 | 4.3'       | 4.7' |
| 10.0'          | 16.9 | 5.2'       | 5.7' |

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

# CRPZN2 HAZARDOUS LOCATION COMBO

CLASS I, DIVISION 2, GROUPS A, B, C, D, ZONE 2,  
GROUPS IIA, IIB, IIC  
12 V DC, 36-200W

The CRPZN2 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.



## BOTTOM VIEW

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

## FEATURES & 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

| OVERVIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |                            |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------|----------|
| LIGHT SOURCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LED     | DC POWER [W]               | 36 - 200 |
| INPUT VOLTAGE [V AC]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 120/347 | SIGN POWER CONSUMPTION [W] | 3.6      |
| OUTPUT VOLTAGE [V DC]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12      | SIGN DC CONSUMPTION [W]    | 1.8      |
| <div style="display: flex; align-items: center; gap: 10px;"> <div style="text-align: center;">  LED         </div> <div style="text-align: center;">  HAZARDOUS LOCATION         </div> <div style="text-align: center;">  ICES 005         </div> <div style="text-align: center;">  Energy Verified         </div> </div> |         |                            |          |

For complete warranty details, please see our terms and conditions on our website.

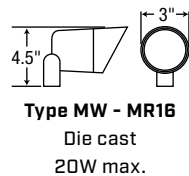
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

## ORDERING GUIDE

| CRPZN2 |                 |                        | —                                                                            |                                | GRY        | /                |  |
|--------|-----------------|------------------------|------------------------------------------------------------------------------|--------------------------------|------------|------------------|--|
| SERIES | NBR OF FACES    | WATTS [W]              | HEAD/LAMP                                                                    | LAMP                           | COLOR      | OPTIONS          |  |
| CRPZN2 | 1 - SINGLE FACE | SEE MODEL RATING BELOW | 0 - NO HEADS<br>1MW - ONE MR16 WEATHER-PROOF<br>2MW - TWO MR16 WEATHER-PROOF | SEE LAMP SELECTION CHART BELOW | GRY - GREY | <br>D U URDRDLUL |  |

## LAMP SELECTION

| 12 VOLTS                        |                        |
|---------------------------------|------------------------|
| MR16 - SMALL HEAD C/W MR16 LAMP |                        |
| QUARTZ HALOGEN                  | 12WQ, 20WQ             |
| LED                             | 4WLR, 5WLA, 6WLA, 7WLA |



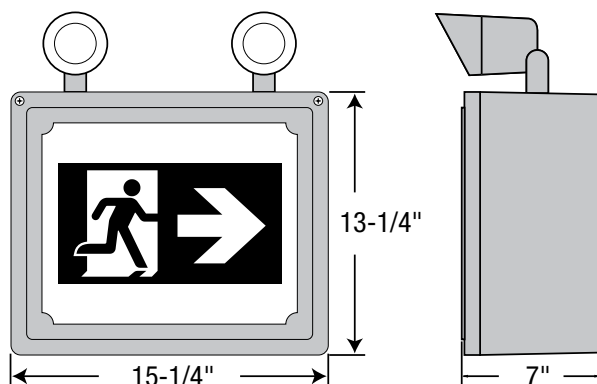
## TEMPERATURE CODES

| HEAD/LAMP | TEMPERATURE CODE [25°C] | TEMPERATURE CODE [40°C] |
|-----------|-------------------------|-------------------------|
| 00        | T5                      | T4A                     |
| MW4L      | T5                      | T4A                     |
| MW5L      | T3C                     | T3B                     |
| MW6L      | T4                      | T3C                     |
| MW7L      | T4                      | T3C                     |
| MW12Q     | T3C                     | T3B                     |
| MW20Q     | T2D                     | T2C                     |
| MW35Q     | T2B                     | T2A                     |
| MW50Q     | T1                      | T1                      |

## MODEL RATINGS

| WATTAGE CAPACITIES |              |         |         |         |          |
|--------------------|--------------|---------|---------|---------|----------|
| MODEL              | VOLTS [V DC] | 30 MIN. | 60 MIN. | 90 MIN. | 120 MIN. |
| CRPZN2_12036       | 12           | 36      | 18      | 12      | 9        |
| CRPZN2_12050       | 12           | 50      | 25      | 16      | 12       |
| CRPZN2_12072       | 12           | 72      | 36      | 24      | 18       |
| CRPZN2_12100       | 12           | 100     | 50      | 33      | 25       |
| CRPZN2_12160       | 12           | 160     | 80      | 53      | 40       |
| CRPZN2_12200       | 12           | 200     | 100     | 66      | 50       |

## DIMENSIONS

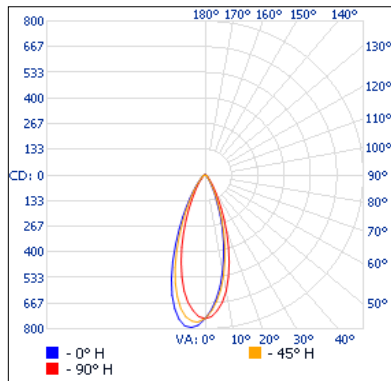


Comes standard [single face] with three pictogram legends for direction selection.

## PHOTOMETRIC DATA

### MR16-06-24V4WLR • 228.7LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 164.4  | 71.9%     |
| 0-40   | 182.0  | 79.6%     |
| 0-60   | 214.8  | 93.9%     |
| 60-90  | 13.9   | 6.1%      |
| 70-100 | 4.1    | 1.8%      |
| 90-120 | 0      | 0%        |
| 0-90   | 228.7  | 100%      |
| 90-180 | 0      | 0%        |
| 0-180  | 228.7  | 100%      |

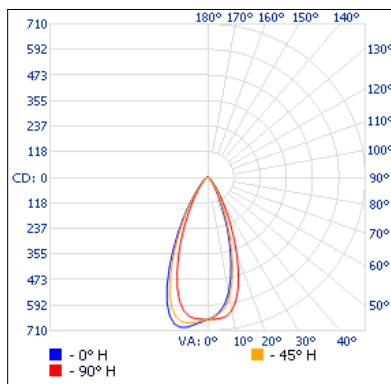
#### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | BEAM WIDTH |
|----------------|------------|
| 1.7'           | 1.1'       |
| 3.3'           | 2.1'       |
| 5.0'           | 3.2'       |
| 6.7'           | 4.3'       |
| 8.3'           | 5.3'       |
| 10.0'          | 6.4'       |

Vert. Spread: 35.4°

### MR16-12-24V5WLA • 440.7LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 352.6  | 80%       |
| 0-40   | 391.8  | 88.9%     |
| 0-60   | 427.2  | 96.9%     |
| 60-90  | 13.5   | 3.1%      |
| 70-100 | 4.3    | 1%        |
| 90-120 | 0      | 0%        |
| 0-90   | 440.7  | 100%      |
| 90-180 | 0      | 0%        |
| 0-180  | 440.7  | 100%      |

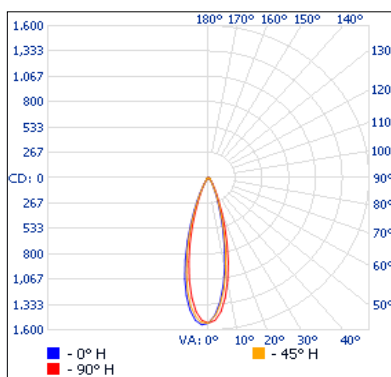
#### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | BEAM WIDTH |
|----------------|------------|
| 1.7'           | 0.9' 1.0'  |
| 3.3'           | 1.7' 1.9'  |
| 5.0'           | 2.6' 2.8'  |
| 6.7'           | 3.5' 3.8'  |
| 8.3'           | 4.3' 4.7'  |
| 10.0'          | 5.2' 5.7'  |

Vert. Spread: 29.3° Hor. Spread: 31.7°

### MR16-12-24V6WLA • 508.7LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 407.0  | 80%       |
| 0-40   | 452.3  | 88.9%     |
| 0-60   | 493.1  | 96.9%     |
| 60-90  | 15.6   | 3.1%      |
| 70-100 | 4.9    | 1%        |
| 90-120 | 0      | 0%        |
| 0-90   | 508.7  | 100%      |
| 90-180 | 0      | 0%        |
| 0-180  | 508.7  | 100%      |

#### ILLUMINANCE AT A DISTANCE

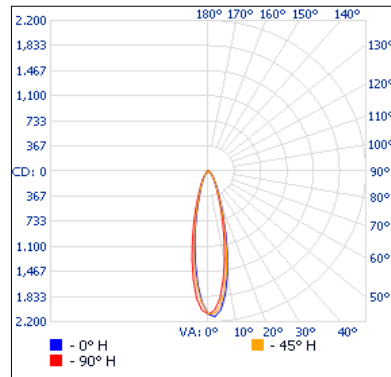
| CENTER BEAM FC | BEAM WIDTH |
|----------------|------------|
| 1.7'           | 0.9' 1.0'  |
| 3.3'           | 1.7' 1.9'  |
| 5.0'           | 2.6' 2.8'  |
| 6.7'           | 3.5' 3.8'  |
| 8.3'           | 4.3' 4.7'  |
| 10.0'          | 5.2' 5.7'  |

Vert. Spread: 29.3° Hor. Spread: 31.7°

## PHOTOMETRIC DATA

MR16-12-24V7WLA • 635.2LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 508.2  | 80%       |
| 0-40   | 564.7  | 88.9%     |
| 0-60   | 615.7  | 96.9%     |
| 60-90  | 19.5   | 3.1%      |
| 70-100 | 6.1    | 1%        |
| 90-120 | 0      | 0%        |
| 0-90   | 635.2  | 100%      |
| 90-180 | 0      | 0%        |
| 0-180  | 635.2  | 100%      |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | BEAM WIDTH |      |
|----------------|------|------------|------|
| 1.7'           | 587  | 0.9'       | 1.0' |
| 3.3'           | 156  | 1.7'       | 1.9' |
| 5.0'           | 67.8 | 2.6'       | 2.8' |
| 6.7'           | 37.8 | 3.5'       | 3.8' |
| 8.3'           | 24.6 | 4.3'       | 4.7' |
| 10.0'          | 16.9 | 5.2'       | 5.7' |

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

# EBHZ HAZARDOUS LOCATION BATTERY UNIT

CLASS I, DIVISION 1, GROUPS C & D, ZONE 1 & 2,  
GROUPS IIA & IIB  
6, 12 OR 24VDC MODELS  
120/347VAC INPUT

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



## FEATURES & SPECIFICATIONS

### CIRCUITRY

- Range of input voltages 120 or 347VAC
- Single or double internal MR16 lamp assemblies
- 6VDC, 12VDC or 24VDC emergency power output versions (as specified)
- Wattage capacities from 36 to 320W
- 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 OR 347  | OUTPUT POWER [W] | 36 - 320 |
| OUTPUT VOLTAGE [VDC]                                                                                                                                                                                                                                                                                                       | 6, 12 OR 24 |                  |          |
| <div>  <div>HAZARDOUS LOCATION</div>  <div>ICES 005</div>  </div> |             |                  |          |

For complete warranty details, please see our terms and conditions on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

## ORDERING GUIDE

| EBHZ   |                              |                              | 1     | 1    | CD     |                 | —                          |                                                      |                             |  |
|--------|------------------------------|------------------------------|-------|------|--------|-----------------|----------------------------|------------------------------------------------------|-----------------------------|--|
| SERIES | VOLTS [VDC]                  | WATTS [W]                    | CLASS | DIV. | GROUP  | VOLTS [VAC]     | HEAD                       | LAMP/HEAD                                            | LAMP                        |  |
| EBHZ   | 06 - 6<br>12 - 12<br>24 - 24 | SEE MODEL<br>RATING<br>BELOW | 1     | 1    | C<br>D | BLANK - 120/347 | 1Z - SINGLE<br>2Z - DOUBLE | 1 - SINGLE LAMP ASSEMBLY<br>2 - DOUBLE LAMP ASSEMBLY | SEE LAMP<br>SELECTION BELOW |  |

## LAMP SELECTION

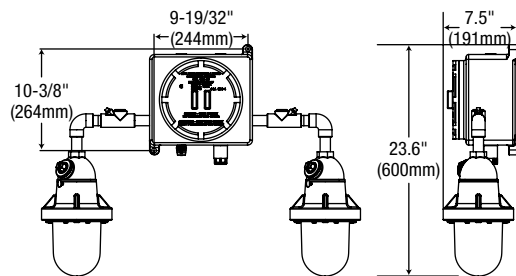
|      | 6VDC       | 12VDC                     | 24VDC                     |
|------|------------|---------------------------|---------------------------|
| MR16 |            |                           |                           |
| LED  | 4WLR, 5WLA | 4WLR, 5WLA,<br>6WLA, 7WLA | 4WLR, 5WLA,<br>6WLA, 7WLA |

## MODEL RATINGS

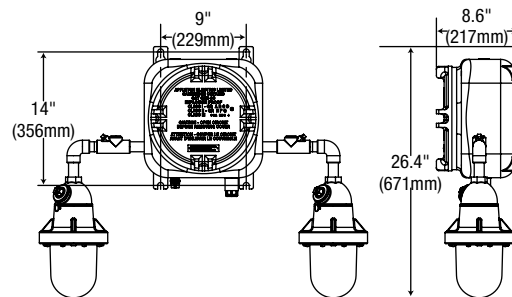
| WATTAGE CAPACITIES |           |             |         |         |         |          |
|--------------------|-----------|-------------|---------|---------|---------|----------|
| MODEL              | ENCLOSURE | VOLTS [VDC] | 30 MIN. | 60 MIN. | 90 MIN. | 120 MIN. |
| EBHZ06036          | A         | 6           | 36      | 18      | 12      | 9        |
| EBHZ06050          | A         | 6           | 50      | 25      | 16      | 12       |
| EBHZ06072          | A         | 6           | 72      | 36      | 24      | 18       |
| EBHZ12036          | A         | 12          | 36      | 18      | 12      | 9        |
| EBHZ12050          | A         | 12          | 50      | 25      | 16      | 12       |
| EBHZ12072          | A         | 12          | 72      | 36      | 24      | 18       |
| EBHZ12100          | A         | 12          | 100     | 50      | 33      | 25       |
| EBHZ12160          | B         | 12          | 160     | 80      | 53      | 40       |
| EBHZ12200          | B         | 12          | 200     | 100     | 66      | 50       |
| EBHZ24144          | A         | 24          | 144     | 72      | 48      | 36       |
| EBHZ24320          | B         | 24          | 320     | 160     | 106     | 80       |

## DIMENSIONS

### ENCLOSURE A



### ENCLOSURE B



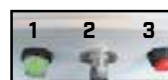
Dimensions are subject to change according to exact Class, Division & Group specifications.

# EBZN2

## HAZARDOUS LOCATION BATTERY UNIT

CLASS I, DIVISION 2, GROUPS A, B, C, D, ZONE 2, GROUPS IIA, IIB, IIC

The EBZN2 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.



### BOTTOM VIEW

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

## FEATURES & SPECIFICATIONS

### CIRCUITRY

- 120/347 V AC 60Hz Input, field selectable
- High efficiency, rapid recovery, precision control charging system
- 12 V DC emergency voltage output
- Wattage capacities from 36 to 200W
- 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 POWER [W] | 36 - 200 |
| OUTPUT VOLTAGE [V DC]                                                                                                                                                                                                                                                                                                    | 12      |                  |          |
| <div>  HAZARDOUS LOCATION            ICES 005            </div> |         |                  |          |

For complete warranty details, please see our terms and conditions on our website

## ORDERING GUIDE

EBZN2

| SERIES | VOLTS [V DC] | WATTS [W]              | HEAD/LAMP                                                                    | LAMP                           |
|--------|--------------|------------------------|------------------------------------------------------------------------------|--------------------------------|
| EBZN2  | 12 - 12      | SEE MODEL RATING BELOW | 0 - NO HEADS<br>1MW - ONE MR16 WEATHER-PROOF<br>2MW - TWO MR16 WEATHER-PROOF | SEE LAMP SELECTION CHART BELOW |

Note: For detailed options descriptions, please consult the options page.

## LAMP SELECTION

| 12 VOLTS                        |                        |
|---------------------------------|------------------------|
| MR16 - SMALL HEAD C/W MR16 LAMP |                        |
| QUARTZ HALOGEN                  | 12WQ, 20WQ             |
| LED                             | 4WLR, 5WLA, 6WLA, 7WLA |



Type MW - MR16

Die cast  
20W max.

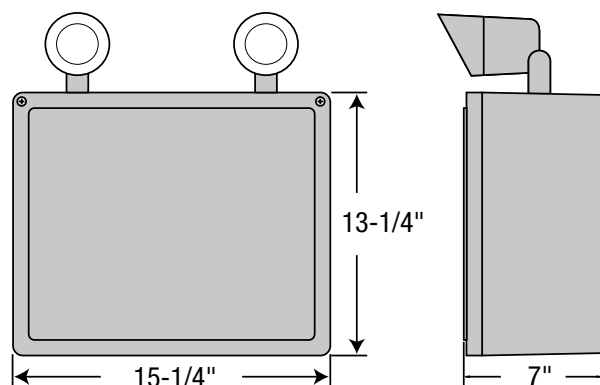
## TEMPERATURE CODES

| HEAD/LAMP | TEMPERATURE CODE [25°C] | TEMPERATURE CODE [40°C] |
|-----------|-------------------------|-------------------------|
| 00        | T5                      | T4A                     |
| MW4L      | T5                      | T4A                     |
| MW5L      | T3C                     | T3B                     |
| MW6L      | T4                      | T3C                     |
| MW7L      | T4                      | T3C                     |
| MW12Q     | T3C                     | T3B                     |
| MW20Q     | T2D                     | T2C                     |
| MW35Q     | T2B                     | T2A                     |
| MW50Q     | T1                      | T1                      |

## MODEL RATINGS

| WATTAGE CAPACITIES |              |         |         |         |          |
|--------------------|--------------|---------|---------|---------|----------|
| MODEL              | VOLTS [V DC] | 30 MIN. | 60 MIN. | 90 MIN. | 120 MIN. |
| EBZN212036         | 12           | 36      | 18      | 12      | 9        |
| EBZN212050         | 12           | 50      | 25      | 16      | 12       |
| EBZN212072         | 12           | 72      | 36      | 24      | 18       |
| EBZN212100         | 12           | 100     | 50      | 33      | 25       |
| EBZN212160         | 12           | 160     | 80      | 53      | 40       |
| EBZN212200         | 12           | 200     | 100     | 66      | 50       |

## DIMENSIONS



# RMHZ

## HAZARDOUS LOCATION REMOTE FIXTURE

CLASS I, DIVISION 1, GROUPS C & D, ZONE 1 & 2,  
GROUPS IIA & IIB  
6, 12 OR 24VDC MODELS  
WALL, CEILING OR PENDANT MOUNT



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

### FEATURES & 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 OR LED                                                                                | OUTPUT VOLTAGE (VDC)                                                                |
| 6, 12 OR 24                                                                             |                                                                                                        |                                                                                              |                                                                                     |
|  LED |  HAZARDOUS LOCATION |  ICES 005 |  |

For complete warranty details, please see our terms and conditions on our website.

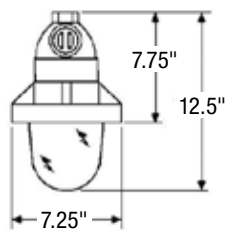
Data is based upon tests performed in a controlled environment. Actual performance may vary depending on operating conditions.

## ORDERING GUIDE - LED

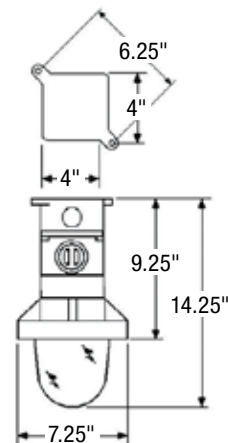
| RMHZ   |                                          |                                                            |                               |           |           |                      | 11CD             | /                            |                                 |  |
|--------|------------------------------------------|------------------------------------------------------------|-------------------------------|-----------|-----------|----------------------|------------------|------------------------------|---------------------------------|--|
| SERIES | HEAD                                     | NBR OF LAMPS                                               | VOLTS [VDC]                   | WATTS [W] | LAMP TYPE | MOUNTING             | CLASS DIV. GROUP |                              | OPTIONS                         |  |
| RMHZ   | 1 - SINGLE<br>2 - DOUBLE<br>(WITH J-BOX) | 1 - SINGLE LAMP<br>PER HEAD<br>2 - DOUBLE LAMP<br>PER HEAD | 06-24V 6- 24<br>OPERATIONAL   | 4W - 4    | LR - LED  | C - CEILING<br>MOUNT | 11CD             | CLASS 1 DIV 1<br>GROUP C & D | LGD - DIE CAST<br>LENS<br>GUARD |  |
|        |                                          |                                                            |                               | 5W - 5    | LA - LED  | P - PENDANT<br>MOUNT |                  |                              |                                 |  |
|        |                                          |                                                            | 12-24V 12 - 24<br>OPERATIONAL | 6W - 6    | LA - LED  | W - WALL<br>MOUNT    |                  |                              |                                 |  |
|        |                                          |                                                            |                               | 7W - 7    |           |                      |                  |                              |                                 |  |

## DIMENSIONS

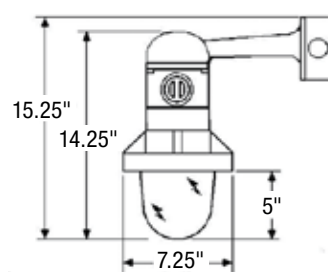
PENDANT MOUNT



CEILING MOUNT



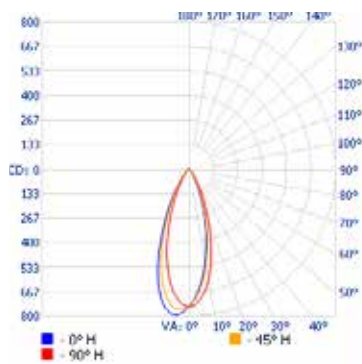
WALL MOUNT



## PHOTOMETRIC DATA

MR16-06-24V4WLR - 228.7LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 164.4  | 71.9      |
| 0-40   | 182.0  | 79.6      |
| 0-60   | 2114.8 | 93.9      |
| 60-90  | 13.9   | 6.1       |
| 70-100 | 4.1    | 1.8       |
| 90-120 | 0      | 0         |
| 0-90   | 228.7  | 100       |
| 90-180 | 0      | 0         |
| 0-180  | 228.7  | 100       |

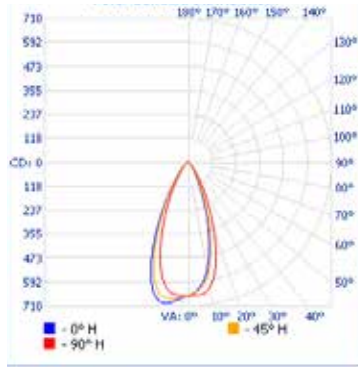
ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC        |      | TABLE TITLE                                                                           |     |
|-----------------------|------|---------------------------------------------------------------------------------------|-----|
| 1.7                   | 167  |  | 1.1 |
| 3.3                   | 44.5 |                                                                                       | 2.1 |
| 5.0                   | 19.4 |                                                                                       | 3.2 |
| 6.7                   | 10.8 |                                                                                       | 4.3 |
| 8.3                   | 7.04 |                                                                                       | 5.3 |
| 10.0                  | 4.65 |                                                                                       | 6.4 |
| ■ Vert. Spread: 35.4° |      |                                                                                       |     |

## PHOTOMETRIC DATA

MR16-06-24V5WLA • 440.7LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 352.6  | 80        |
| 0-40   | 391.8  | 88.9      |
| 0-60   | 427.2  | 96.9      |
| 60-90  | 13.5   | 3.1       |
| 70-100 | 4.3    | 1         |
| 90-120 | 0      | 0         |
| 0-90   | 440.7  | 100       |
| 90-180 | 0      | 0         |
| 0-180  | 440.7  | 100       |

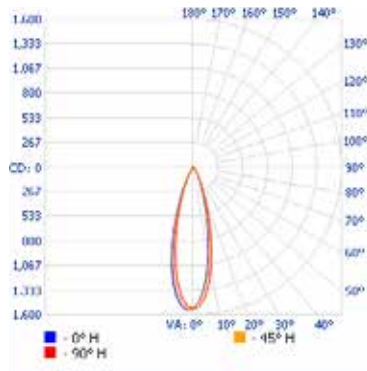
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | TABLE TITLE |     |
|----------------|------|-------------|-----|
| 1.7            | 407  | 0.9         | 1.0 |
| 3.3            | 108  | 1.7         | 1.9 |
| 5.0            | 47.0 | 2.6         | 2.8 |
| 6.7            | 26.2 | 3.5         | 3.8 |
| 8.3            | 17.1 | 4.3         | 4.7 |
| 10.0           | 11.8 | 5.2         | 5.7 |

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

MR16-12-24V6WLA • 508.7LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 407.0  | 80        |
| 0-40   | 452.3  | 88.9      |
| 0-60   | 493.1  | 96.9      |
| 60-90  | 15.6   | 3.1       |
| 70-100 | 4.9    | 1         |
| 90-120 | 0      | 0         |
| 0-90   | 508.7  | 100       |
| 90-180 | 0      | 0         |
| 0-180  | 508.7  | 100       |

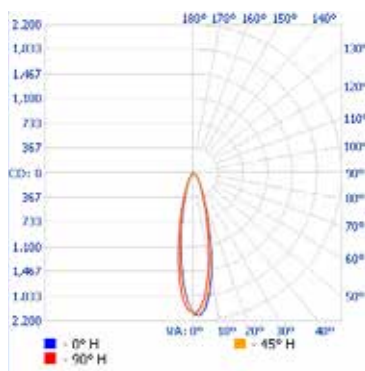
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | TABLE TITLE |     |
|----------------|------|-------------|-----|
| 1.7            | 470  | 0.9         | 1.0 |
| 3.3            | 125  | 1.7         | 1.9 |
| 5.0            | 54.3 | 2.6         | 2.8 |
| 6.7            | 30.2 | 3.5         | 3.8 |
| 8.3            | 19.7 | 4.3         | 4.7 |
| 10.0           | 13.6 | 5.2         | 5.7 |

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

MR16-12-24V7WLA • 635.2LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 508.2  | 80        |
| 0-40   | 564.7  | 88.9      |
| 0-60   | 615.7  | 96.9      |
| 60-90  | 19.5   | 3.1       |
| 70-100 | 6.1    | 1         |
| 90-120 | 0      | 0         |
| 0-90   | 635.2  | 100       |
| 90-180 | 0      | 0         |
| 0-180  | 635.2  | 100       |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | TABLE TITLE |     |
|----------------|------|-------------|-----|
| 1.7            | 587  | 0.9         | 1.0 |
| 3.3            | 156  | 1.7         | 1.9 |
| 5.0            | 67.8 | 2.6         | 2.8 |
| 6.7            | 37.8 | 3.5         | 3.8 |
| 8.3            | 24.6 | 4.3         | 4.7 |
| 10.0           | 16.9 | 5.2         | 5.7 |

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

# AIMVC

## 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 AIMVC series of hazardous location remote fixtures provides safe and dependable operation. The AIMVC 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 & 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                                                                                |                                                                                                        |                                                                                              |                                                                                     |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| OUTPUT VOLTAGE [V DC]                                                                   |                                                                                                        | 6, 12 OR 24                                                                                  |                                                                                     |
|  LED |  HAZARDOUS LOCATION |  ICES 005 |  |

## ORDERING GUIDE - LED

| AIMVC  |                                        | —                                                        |                               |           |           |                                                          | /                            |  |
|--------|----------------------------------------|----------------------------------------------------------|-------------------------------|-----------|-----------|----------------------------------------------------------|------------------------------|--|
| SERIES | HEAD                                   | NBR OF LAMPS                                             | VOLTS (V DC)                  | WATTS [W] | LAMP TYPE | MOUNTING                                                 | OPTIONS¹                     |  |
| AIMVC  | 1- SINGLE<br>2- DOUBLE<br>[WITH J-BOX] | 1- SINGLE LAMP<br>PER HEAD<br>2- DOUBLE LAMP<br>PER HEAD | 06-24V - 6-24<br>OPERATIONAL  | 4W - 4    | LR - LED  | C - CEILING MOUNT<br>P - PENDANT MOUNT<br>W - WALL MOUNT | LGD - DIE CAST LENS<br>GUARD |  |
|        |                                        |                                                          |                               | 5W - 5    | LA - LED  |                                                          |                              |  |
|        |                                        |                                                          | 12-24V 12 - 24<br>OPERATIONAL | 6W - 6    | LA - LED  |                                                          |                              |  |
|        |                                        |                                                          |                               | 7W - 7    |           |                                                          |                              |  |

<sup>1</sup> For detailed options descriptions, please consult the options page.

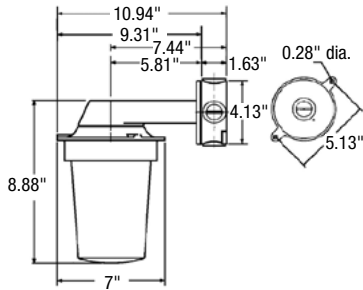
## TEMPERATURE CODE

| HEAD/LAMP | TEMPERATURE CODE<br>[25°C] | TEMPERATURE CODE<br>[40°C] | SIMULTANEOUS<br>CLASS I, II AND III |
|-----------|----------------------------|----------------------------|-------------------------------------|
| 4WLR      | T3C                        | T3A                        | T2D                                 |
| 5WLA      | T3A                        | T3                         | T2D                                 |
| 6WLA      | T3A                        | T3                         | T2D                                 |
| 7WLA      | T3A                        | T3A                        | T2D                                 |

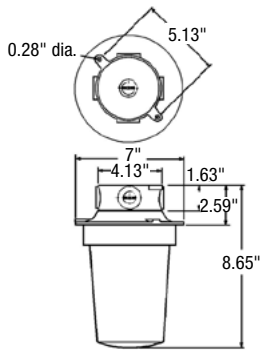
## DIMENSIONS

### SINGLE HEAD

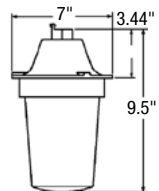
#### WALL MOUNT



#### CEILING MOUNT

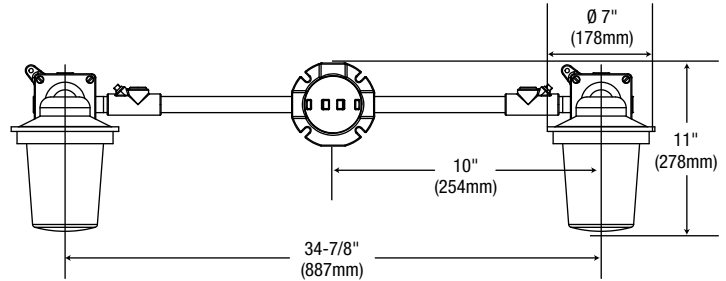


#### PENDANT MOUNT

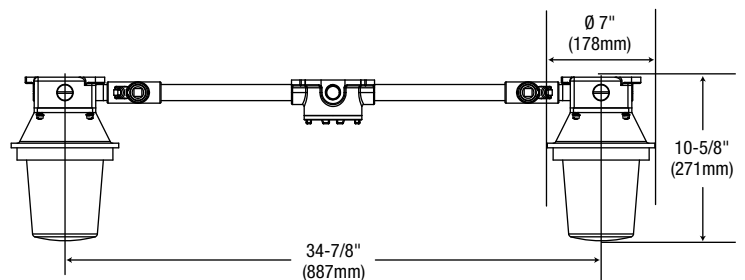
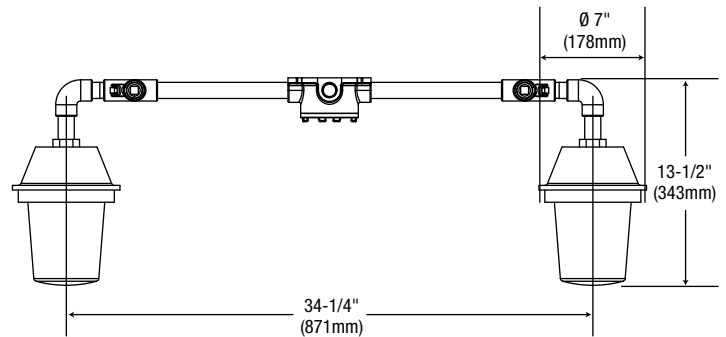


### DOUBLE HEAD

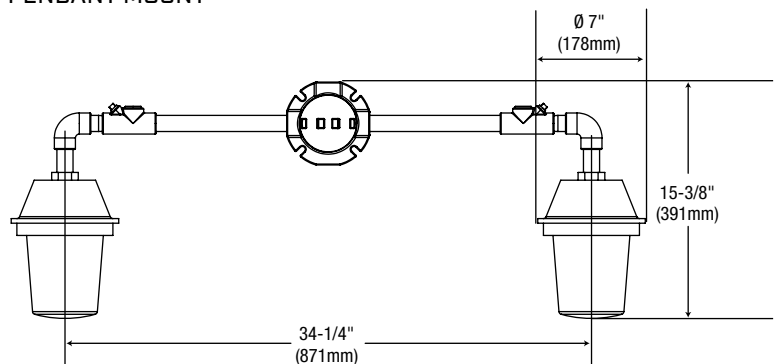
#### WALL MOUNT



#### CEILING MOUNT



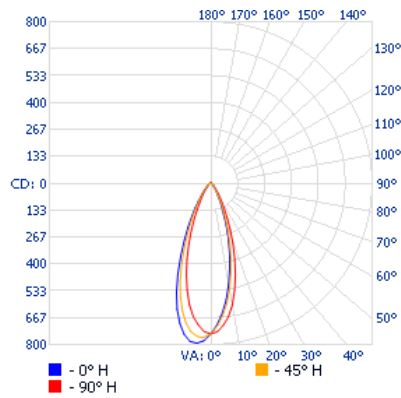
#### PENDANT MOUNT



## PHOTOMETRIC DATA

### MR16-06-12V4WLR • 228.7LM

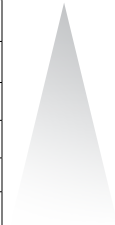
#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

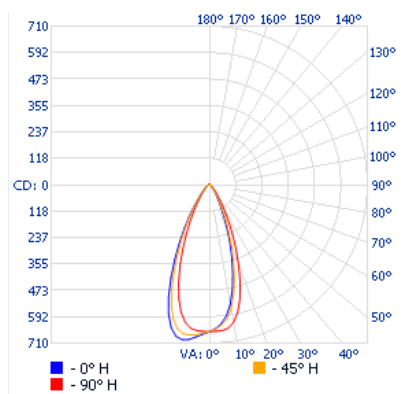
| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 164.4  | 71.9      |
| 0-40   | 182.0  | 79.6      |
| 0-60   | 214.8  | 93.9      |
| 60-90  | 13.9   | 6.1       |
| 70-100 | 4.1    | 1.8       |
| 90-120 | 0      | 0         |
| 0-90   | 228.7  | 100       |
| 90-180 | 0      | 0         |
| 0-180  | 228.7  | 100       |

#### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                   |      |  | BEAM WIDTH |  |
|----------------------------------|------|-------------------------------------------------------------------------------------|------------|--|
| 1.7                              | 168  |                                                                                     | 1.1        |  |
| 3.3                              | 44.5 |                                                                                     | 2.1        |  |
| 5.0                              | 19.4 |                                                                                     | 3.2        |  |
| 6.7                              | 10.8 |                                                                                     | 4.3        |  |
| 8.3                              | 7.04 |                                                                                     | 5.3        |  |
| 10.0                             | 4.85 |                                                                                     | 6.4        |  |
| <div>■ Vert. Spread: 35.4°</div> |      |                                                                                     |            |  |

### MR16-06-24V5WLA • 440.7LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

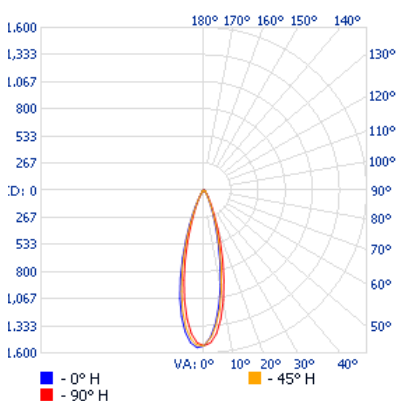
| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 352.6  | 80        |
| 0-40   | 391.8  | 88.9      |
| 0-60   | 427.2  | 96.9      |
| 60-90  | 13.5   | 3.1       |
| 70-100 | 4.3    | 1         |
| 90-120 | 0      | 0         |
| 0-90   | 440.7  | 100       |
| 90-180 | 0      | 0         |
| 0-180  | 440.7  | 100       |

#### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                             |      |  | BEAM WIDTH |     |
|--------------------------------------------|------|--|------------|-----|
| 1.7                                        | 407  |  | 0.9        | 1.0 |
| 3.3                                        | 108  |  | 1.7        | 1.9 |
| 5.0                                        | 47.0 |  | 2.6        | 2.8 |
| 6.7                                        | 26.2 |  | 3.5        | 3.8 |
| 8.3                                        | 17.1 |  | 4.3        | 4.7 |
| 10.0                                       | 11.8 |  | 5.2        | 5.7 |
| ■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7° |      |  |            |     |

### MR16-12-24V6WLA • 508.7LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 407.0  | 80        |
| 0-40   | 452.3  | 88.9      |
| 0-60   | 493.1  | 96.9      |
| 60-90  | 15.6   | 3.1       |
| 70-100 | 4.9    | 1         |
| 90-120 | 0      | 0         |
| 0-90   | 508.7  | 100       |
| 90-180 | 0      | 0         |
| 0-180  | 508.7  | 100       |

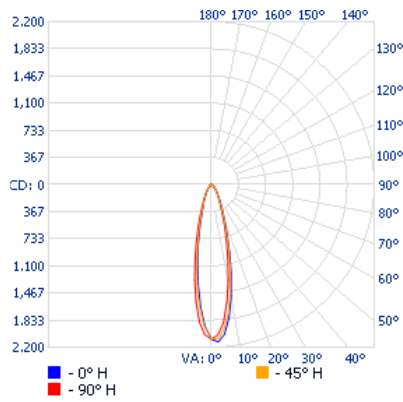
#### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                             |      |  | BEAM WIDTH |     |
|--------------------------------------------|------|--|------------|-----|
| 1.7                                        | 470  |  | 0.9        | 1.0 |
| 3.3                                        | 125  |  | 1.7        | 1.9 |
| 5.0                                        | 54.3 |  | 2.6        | 2.8 |
| 6.7                                        | 30.2 |  | 3.5        | 3.8 |
| 8.3                                        | 19.7 |  | 4.3        | 4.7 |
| 10.0                                       | 13.6 |  | 5.2        | 5.7 |
| ■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7° |      |  |            |     |

## PHOTOMETRIC DATA

MR16-12-24V7WLA - 635.2LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS | % FIXTURE |
|--------|--------|-----------|
| 0-30   | 508.2  | 80        |
| 0-40   | 564.7  | 88.9      |
| 0-60   | 615.7  | 96.9      |
| 60-90  | 19.5   | 3.1       |
| 70-100 | 6.1    | 1         |
| 90-120 | 0      | 0         |
| 0-90   | 635.2  | 100       |
| 90-180 | 0      | 0         |
| 0-180  | 635.2  | 100       |

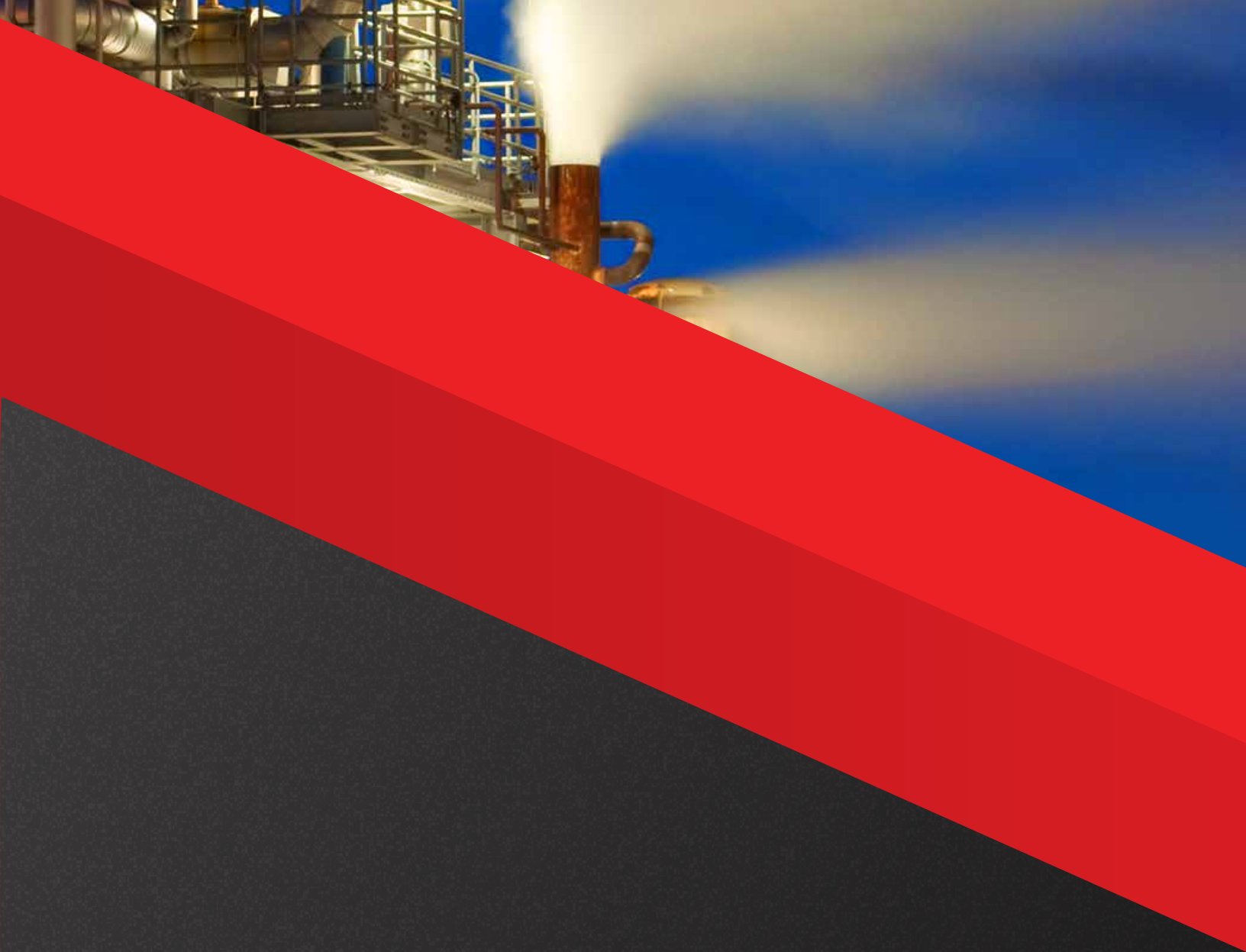
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | BEAM WIDTH |     |
|----------------|------|------------|-----|
| 1.7            | 587  | 0.9        | 1.0 |
| 3.3            | 156  | 1.7        | 1.9 |
| 5.0            | 67.8 | 2.6        | 2.8 |
| 6.7            | 37.8 | 3.5        | 3.8 |
| 8.3            | 24.6 | 4.3        | 4.7 |
| 10.0           | 16.9 | 5.2        | 5.7 |

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°



# NOTES



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