



# Luminaires For Use In Hazardous Locations

## L1102J

### Standards:

- UL 844
- UL 1598 Luminaires
- UL 8750
- CSA C22.2 No. 137-18
- CSA C22.2 No. 250.0
- CSA C22.2 No. 250.13

### Protection:

- Class I, Division 2 Group A, B, C, D
- IP67 / NEMA 6

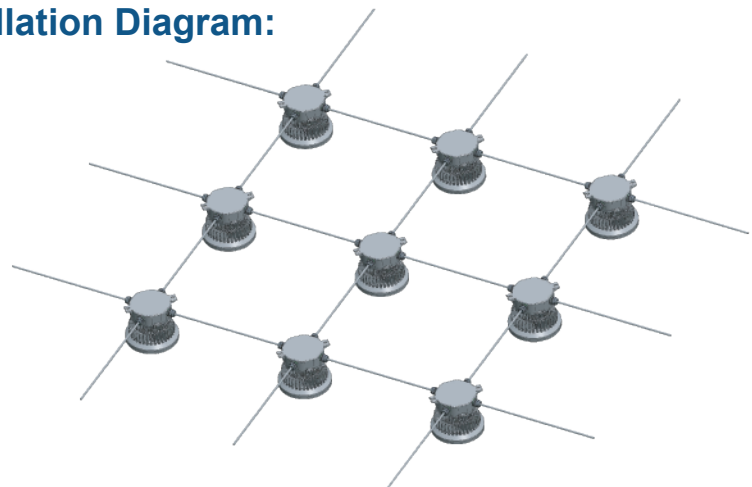
### Ambient Temperature:

•-40°C ~ +40°C

### Applications:

- Power Plants
- Heavy Industrials
- Storage Facility
- Paper Mills
- Wastewater Treatment Plants
- Loading Docks
- Platforms
- Shipyards
- Chemical Processing Facility
- Petrochemical Processing Facility

### Installation Diagram:



Net Weight: 6.5 kg (14.3 lb)

### Electrical:

| COB  | 60W   | 80W   | 100W  |
|------|-------|-------|-------|
| 120V | 0.50A | 0.67A | 0.83A |
| 277V | 0.22A | 0.29A | 0.36A |
| 480V | 0.13A | 0.17A | 0.21A |

| SMD  | 65W   | 75W   | 95W   |
|------|-------|-------|-------|
| 120V | 0.54A | 0.63A | 0.79A |
| 277V | 0.23A | 0.27A | 0.34A |

|              |  |
|--------------|--|
| Power Factor | $\cos \geq 0.9$ , $\cos \geq 0.87(480V)$ |
| Frequency    | 50 / 60 Hz                               |

### Mechanical:

|                 |   |
|-----------------|---|
| Enclosure       | Aluminum Alloy  |
| Glass           | Tempered Glass <span style="color: red;">★Frosted Glass is available upon request.</span> |
| Cable Gland     | Stainless Steel   |
| Cable           | 600V, 105°C   |
| Entrance Thread | M20, M25, NPT 1/2", NPT 3/4" x 1~5 thread holes   |

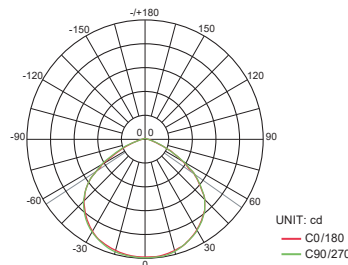
### Optical:

|                       |  |        |        |         |       |        |        |        |
|-----------------------|--|--------|--------|---------|-------|--------|--------|--------|
| Color of LED Light    | 3000K (Warm White) / 5000K (Cool White)      |        |        |         |       |        |        |        |
| CRI                   | Warm White $\geq 80$ / Cool White $\geq 70$  |        |        |         |       |        |        |        |
| Beam Angle            | X-110° / Y-110°                              |        |        |         |       |        |        |        |
| Lm / W ( $\pm 10\%$ ) | Warm White $\geq 95$ / Cool White $\geq 100$ |        |        |         |       |        |        |        |
| Lumen ( $\pm 10\%$ )  | COB  | 60W    | 80W    | 100W    | SMD   | 65W    | 75W    | 95W    |
|                       | 3000K  | 5700lm | 7600lm | 9000lm  | 3000K | 6175lm | 7215lm | 8550lm |
|                       | 5000K  | 6000lm | 8000lm | 10000lm | 5000K | 6500lm | 7500lm | 9500lm |

### Optical Report:

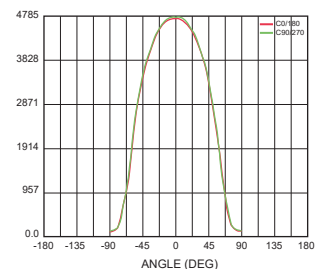
COB test

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram

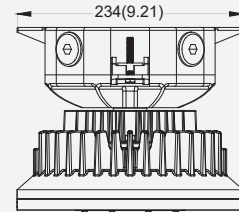
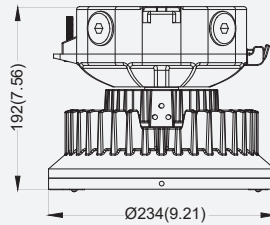
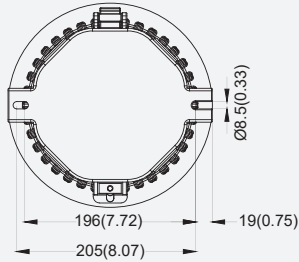
AVERAGE BEAM ANGLE (50%) : 111.64 DEG



### Mounting Option & Dimension : In mm (inches)

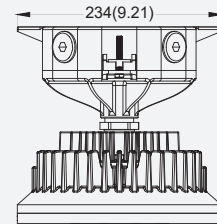
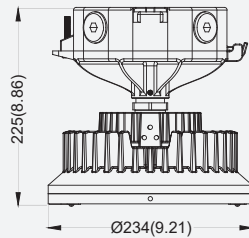
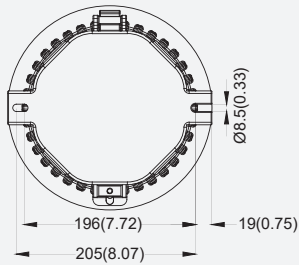
#### Without Nipple-Ceiling Mount 6.0 kg (13.2 lb)

90° (C90)



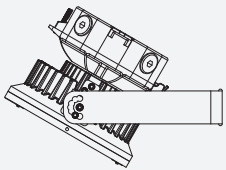
#### With Nipple-Ceiling Mount 6.5 kg (14.3 lb)

90° (C90)

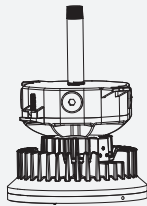


#### Optional Mounting:

Wall Mount 25°  
[WHT(W25)]



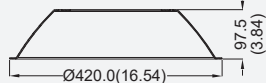
Pendant(P90)



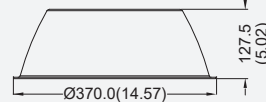
\*Two-position (wall/hanging) adjustable trunion, each position with two aiming angles (25° and 90° adjustable).

#### Optional Accessory :

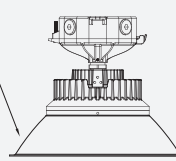
Reflector A



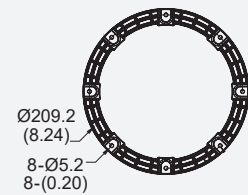
Reflector B



Reflector



PC Cover - Diffuser (P1)



### Model Code:

|     |   |      |   |   |   |   |   |    |     |   |
|-----|---|------|---|---|---|---|---|----|-----|---|
| THT | H | 1102 | J | E | K | C | 9 | P0 | C90 | R |
|     |   |      |   | ① | ② | ③ | ④ | ⑤  | ⑥   | ⑦ |

#### ① Top Cover

C=Ceiling Bracket Cover with Nipple  
E=Ceiling Bracket Cover without Nipple

#### ② LED Module

B=COB LED  
K=SMD LED

#### ③ C.C.T.

C=Cool White  
W=Warm White

#### ④ Voltage

6=120V, 9=277V, C=480V

#### ⑤ Wattage

J0=100W, I5=95W, H0=80W  
G5=75W, F5=65W, F0=60W

#### ⑥ Mounting Bracket Type

C90=Ceiling mounting 90°  
WHT(W25/90)=Wall Mount 25°/90°  
WHT(H25/90)=Hanging Mount 25°/90°  
P90=Pendant Mount

#### ⑦ Optional Accessory

R=Reflector  
P1=PC Cover-Translucent or Transparent PC  
(Keep the code blank if no accessory is needed.)