



## PD-GB-02 Series LED Explosion proof High Bay Light

### Hazardous Locations



lighting solutions  
solutions d'éclairage

1435, chemin Saint-Armand  
Saint-Armand (Québec)  
J0J 1T0 Canada

(514) 433.3386  
[www.purrrplelighting.com](http://www.purrrplelighting.com)  
[info@purrrpledistribution.com](mailto:info@purrrpledistribution.com)

- Available from 30W (3,600lm) - 200W (24,000lm)
- Offered with 5 mounting options: Ceiling mount, Drop mount, Wall mount, U-Bracket mount, Pole mount
- 1-10V Dimming is available(dimming and non-dimming optional)
- Motion sensor, photocell and Controller options are available
- 50,000+ hours LED lifespan



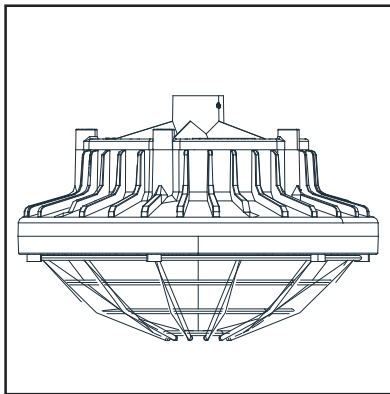
• **Damp and Wet Locations;**

• **UL 844, UL1598, UL8750, CSA C22.2 No.137;**

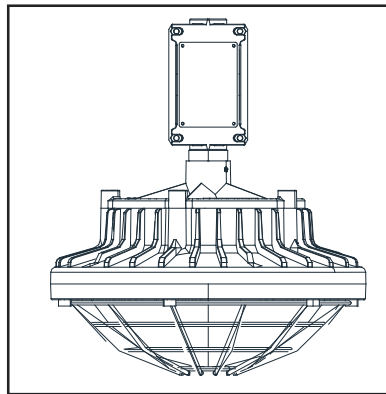
UL Marking: Class I, Division 2, Groups A, B, C and D;

Class II, Division 2, Groups F and G;

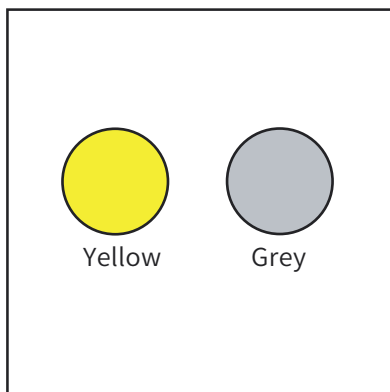
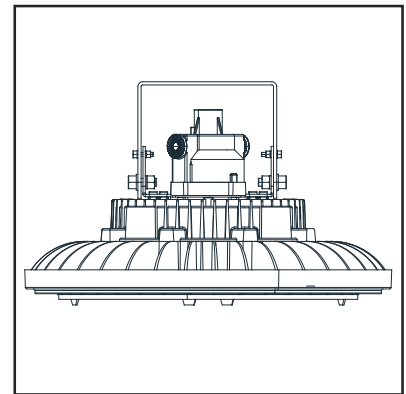
Class III;



Offer several mounting options to support a variety of applications.



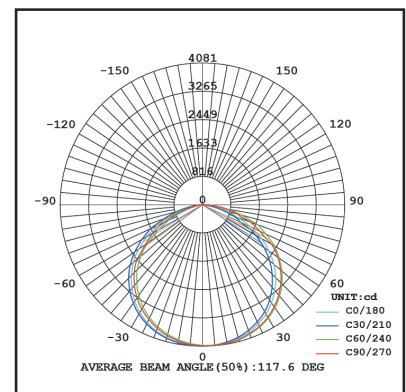
(30~80W) Junction box optional



Yellow/grey available  
(grey has no texture)



The is a complete cutoff, fully shielded area light that minimizes glare, while reducing light trespass. (The maximum luminous beam angle 120°)



Photometric Data ( 120° )

# Specifications

## UL:

Suitable for wet locations

Operating temperature: -40°C to +50°C (-40°F to 122°F)

## LEDs:

Long-life, high-efficiency, surface mount LEDs

## Drivers(s):

Class 2, 50/60Hz. 100 - 277V, 4kV standard, 6kV optional surge protection.

## Lifespan:

50,000+ hours LED lifespan based on IES LM-80 results & TM-21 calculations at 25°C, and ERP>6000h.

## IP Rating:

IEC60598 Ingress Protection rating of NEMA 4/4X (IP66) for dust and water.

## Housing:

Die-cast aluminum housing

## Mounting:

U-Bracket, slipfitter or wall mount options available

## Lens:

High transmittance tempered glass

## Effective Projected Area:

EPA = 0.61

## Vibration Rating:

3G vibration tested per ANSI C136.31 and IEC60598

## Dimming Driver:

Driver includes dimming control wiring for 1-10V dimming systems. Requires separate 1-10V DC dimming circuit. Dims as low as 10%.(Optional dimming and non-dimming)

## CCT:

Available in 2700K-6500K color temperature

## CRI:

CRI ≥70

## Beam angle:

Standard distribution is NEMA high/low bay lights (Type5)

## Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-years period.

## Color Uniformity:

range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

## Finish:

Formulated for high durability and long-lasting color

## Green Technology:

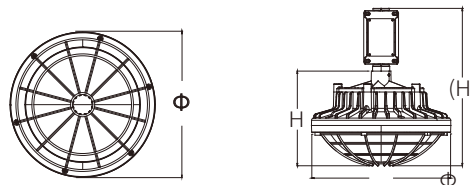
Mercury and UV free. RoHS-compliant components

## IESNA LM-79 Testing:

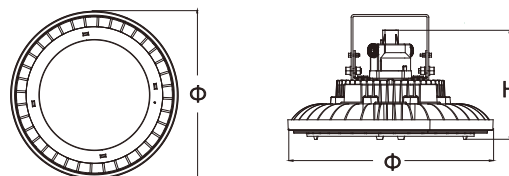
LED luminaires have been tested by an independent laboratory in accordance with IESNALM-79 and IEC60598.

## Product size:

| Series models    | Size(Φ*H)                         |
|------------------|-----------------------------------|
| PD-GB-02-30/40   | Φ200*157(292) mm/Φ7.9*6.2"(11.5") |
| PD-GB-02-60/80   | Φ300*204(339)mm/Φ11.8*8"(13.3")   |
| PD-GB-02-100-200 | Φ460*243mm/Φ18.1*9.6"             |



PD-GB-02-(30~80W) Junction box optional



PD-GB-02-(100~200W)

# Performance and Packaging

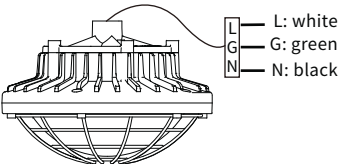
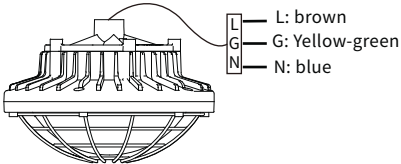
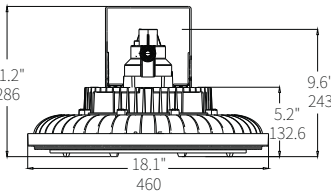
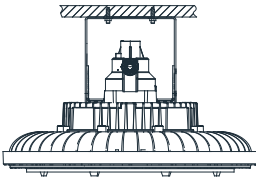
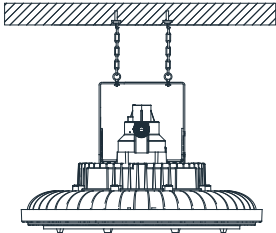
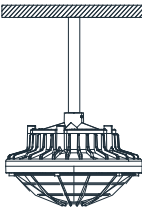
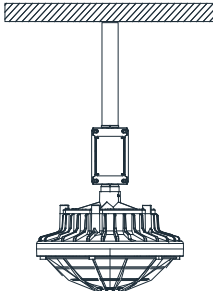
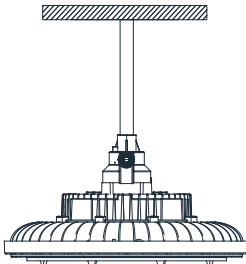
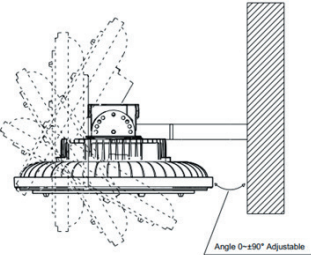
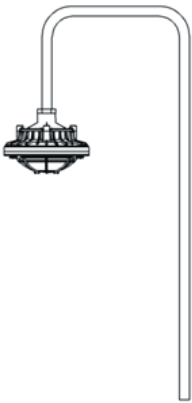
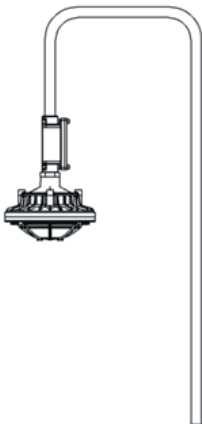
## Performance

| Product Model               | PD-GB-02-30/40                                                                                                                                       | PD-GB-02-60/80                  | PD-GB-02-100-200                 |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------|
| Type                        | LED Explosion proof High Bay Light                                                                                                                   |                                 |                                  |
| Mounting                    | (30W~80W) Ceiling mount / Drop mount / Wall mount / Pole mount<br>(100W~200W) Ceiling mount / Drop mount / Wall mount / Pole mount / U-Bracket mount |                                 |                                  |
| Power (W)                   | 30W / 40W                                                                                                                                            | 60W / 80W                       | 100W / 120W / 150W / 185W / 200W |
| Voltage - Frequency         | 100-277Vac 50-60Hz                                                                                                                                   |                                 |                                  |
| Color Temp                  | 5000K (Provides 2700K to 6500K)                                                                                                                      |                                 |                                  |
| CRI (Ra) (typ.)             | ≥70                                                                                                                                                  |                                 |                                  |
| Luminous Flux (lm)          | 120lm/W                                                                                                                                              |                                 |                                  |
| Bare Lamp efficacy (LPW)    | 120                                                                                                                                                  |                                 |                                  |
| Beam Angle                  | 120°                                                                                                                                                 |                                 |                                  |
| Power Factor                | >0.95                                                                                                                                                |                                 |                                  |
| Rated Lifetime - L70 (hrs.) | 50,000                                                                                                                                               |                                 |                                  |
| Product Size                | Φ200*157(292) mm/Φ7.9*6.2"(11.5")                                                                                                                    | Φ300*204(339)mm/Φ11.8*8"(13.3") | Φ460*243mm/Φ18.1*9.6"            |
| Housing                     | ADC12 Aluminum+Tempered glass                                                                                                                        |                                 |                                  |

## Packaging

| Product Model | Product Size                    | Carton Size                              | QTY/CTN | Net Weight                 | Gross Weight               |
|---------------|---------------------------------|------------------------------------------|---------|----------------------------|----------------------------|
| PD-GB-02-30   | Φ200×157(292)mm/Φ7.9×6.2(11.5)" | 270×270×280(430)mm/10.7×10.7×11.1(17.0)" | 1       | 3.0(3.6) kg/6.7(8.0) lbs   | 3.1(3.9) kg/6.9(8.6) lbs   |
| PD-GB-02-40   | Φ200×157(292)mm/Φ7.9×6.2(11.5)" | 270×270×280(430)mm/10.7×10.7×11.1(17.0)" | 1       | 3.0(3.6) kg/6.7(8.0) lbs   | 3.1(3.9) kg/6.9(8.6) lbs   |
| PD-GB-02-60   | Φ300×204(339)mm/Φ11.8×8(13.3)"  | 370×370×340(490)mm/14.6×14.6×13.4(19.3)" | 1       | 7.0(8.2) kg/15.5(18.1) lbs | 8.0(8.8) kg/17.7(19.4) lbs |
| PD-GB-02-80   | Φ300×204(339)mm/Φ11.8×8(13.3)"  | 370×370×340(490)mm/14.6×14.6×13.4(19.3)" | 1       | 7.0(8.2) kg/15.5(18.1) lbs | 8.0(8.8) kg/17.7(19.4) lbs |
| PD-GB-02-100  | Φ460×243mm/Φ18.1×9.6"           | 530×530×390mm/20.9×20.9×15.4"            | 1       | 14.3 kg/29.6 lbs           | 17.2 kg/37.9 lbs           |
| PD-GB-02-120  | Φ460×243mm/Φ18.1×9.6"           | 530×530×390mm/20.9×20.9×15.4"            | 1       | 14.3 kg/29.6 lbs           | 17.2 kg/37.9 lbs           |
| PD-GB-02-150  | Φ460×243mm/Φ18.1×9.6"           | 530×530×390mm/20.9×20.9×15.4"            | 1       | 14.3 kg/29.6 lbs           | 17.2 kg/37.9 lbs           |
| PD-GB-02-185  | Φ460×243mm/Φ18.1×9.6"           | 530×530×390mm/20.9×20.9×15.4"            | 1       | 14.3 kg/29.6 lbs           | 17.2 kg/37.9 lbs           |
| PD-GB-02-200  | Φ460×243mm/Φ18.1×9.6"           | 530×530×390mm/20.9×20.9×15.4"            | 1       | 14.3 kg/29.6 lbs           | 17.2 kg/37.9 lbs           |

# Mountings Dimensions

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                             |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <p>Wire colour</p>                    | <p>UL:</p>                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>ATEX:<br/>IECEX:</p>  |
| <p>Ceiling mount /<br/>Drop mount</p> |       |                                                                                                             |
| <p>WM - Wall Mount</p>                |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                             |
| <p>PA-Stanchion mount</p>             |                                                                                                                                                                                                                                                          |                                                                                                             |