• 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

• **IP66, 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;
• **IEC/EN 60079-0, 7, 28, 31;**
  Ex Mark: II 3G Ex ec op is IIC T* Gc
  II 3D Ex tc op is III C T* Dc

![Offer several mounting options to support a variety of applications.](image1)

(30–80W) Junction box optional

![Yellow and Grey](image2)

Yellow/grey available (grey has no texture)

![The CESP is a complete cutoff, fully shielded area light that minimizes glare, while reducing light trespass. (The maximum luminous beam angle 120°)](image3)

**Photometric Data (120°)**
Specifications

UL, ATEX & IECEx:
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 3000K, 4000K, 6500K color temperature

CRI:
CRI ≥70

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

Color Stability:
LED color temperature is warranted to shift no more than 200K in CCT over a 5-years period

Color Uniformity:

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components

IESNA LM-79 Testing:
CESP LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and IEC60598

Product size:

<table>
<thead>
<tr>
<th>Series models</th>
<th>Size(Φ*H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES-EX-GB-02-30/40XXXX</td>
<td>Φ200<em>157(292) mm/Φ7.9</em>6.2&quot;(11.5&quot;)</td>
</tr>
<tr>
<td>CES-EX-GB-02-60/80XXXX</td>
<td>Φ300<em>204(339)mm/Φ11.8</em>8&quot;(13.3&quot;)</td>
</tr>
<tr>
<td>CES-EX-GB-02-100~200XXXX</td>
<td>Φ460<em>243mm/Φ18.1</em>9.6&quot;</td>
</tr>
</tbody>
</table>

CES-EX-GB-02-(30-80W)
Junction box optional

CES-EX-GB-02-(100~200W)
## Performance

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

## Product Model

<table>
<thead>
<tr>
<th>Product Model</th>
<th>Product Size</th>
<th>Carton Size</th>
<th>QTY/CTN</th>
<th>Net Weight</th>
<th>Gross Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES-EX-GB-02-30XXXX</td>
<td>Φ200<em>157(292) mm/ Φ7.9</em>6.2&quot;(11.5&quot;)</td>
<td>600<em>260</em>330mm/23.6<em>10.2</em>13&quot;</td>
<td>1</td>
<td>4kg/8.8 lbs</td>
<td>4.6kg/10.1lbs</td>
</tr>
<tr>
<td>CES-EX-GB-02-40XXXX</td>
<td>Φ200<em>157(292) mm/ Φ7.9</em>6.2&quot;(11.5&quot;)</td>
<td>600<em>260</em>330mm/23.6<em>10.2</em>13&quot;</td>
<td>1</td>
<td>4kg/8.8 lbs</td>
<td>4.6kg/10.1lbs</td>
</tr>
<tr>
<td>CES-EX-GB-02-60XXXX</td>
<td>Φ300<em>204(339)mm/ Φ11.8</em>8&quot;(13.3&quot;)</td>
<td>810<em>760</em>420mm/31.9<em>29.9</em>16.5&quot;</td>
<td>1</td>
<td>7kg/15.4lbs</td>
<td>8kg/17.6lbs</td>
</tr>
<tr>
<td>CES-EX-GB-02-80XXXX</td>
<td>Φ300<em>204(339)mm/ Φ11.8</em>8&quot;(13.3&quot;)</td>
<td>810<em>760</em>420mm/31.9<em>29.9</em>16.5&quot;</td>
<td>1</td>
<td>7kg/15.4lbs</td>
<td>8kg/17.6lbs</td>
</tr>
<tr>
<td>CES-EX-GB-02-100XXXX</td>
<td>Φ460<em>243mm/ Φ18.1</em>9.6&quot;</td>
<td>880<em>520</em>350mm/34.6<em>20.5</em>13.8&quot;</td>
<td>1</td>
<td>13kg/28.7lbs</td>
<td>14.4kg/31.7lbs</td>
</tr>
<tr>
<td>CES-EX-GB-02-120XXXX</td>
<td>Φ460<em>243mm/ Φ18.1</em>9.6&quot;</td>
<td>880<em>520</em>350mm/34.6<em>20.5</em>13.8&quot;</td>
<td>1</td>
<td>13kg/28.7lbs</td>
<td>14.4kg/31.7lbs</td>
</tr>
<tr>
<td>CES-EX-GB-02-150XXXX</td>
<td>Φ460<em>243mm/ Φ18.1</em>9.6&quot;</td>
<td>880<em>520</em>350mm/34.6<em>20.5</em>13.8&quot;</td>
<td>1</td>
<td>13kg/28.7lbs</td>
<td>14.4kg/31.7lbs</td>
</tr>
<tr>
<td>CES-EX-GB-02-185XXXX</td>
<td>Φ460<em>243mm/ Φ18.1</em>9.6&quot;</td>
<td>880<em>520</em>350mm/34.6<em>20.5</em>13.8&quot;</td>
<td>1</td>
<td>13kg/28.7lbs</td>
<td>14.4kg/31.7lbs</td>
</tr>
<tr>
<td>CES-EX-GB-02-200XXXX</td>
<td>Φ460<em>243mm/ Φ18.1</em>9.6&quot;</td>
<td>880<em>520</em>350mm/34.6<em>20.5</em>13.8&quot;</td>
<td>1</td>
<td>13kg/28.7lbs</td>
<td>14.4kg/31.7lbs</td>
</tr>
</tbody>
</table>
## Mountings Dimensions

| Wire colour | UL: L: white  
G: green  
N: black | ATEX: L: brown  
G: Yellow-green  
N: blue | IECEX: |
|-------------|--------------------------------|------------------|
| **Top loading** | ![UL Top loading diagram]  
![ATEX Top loading diagram]  
![IECEX Top loading diagram] | ![UL Top loading diagram]  
![ATEX Top loading diagram]  
![IECEX Top loading diagram] |
| **WM - Wall Mount** | ![WM Wall Mount diagram] | ![WM Wall Mount diagram] |
| **PA - Stanchion mount** | ![PA Stanchion mount diagram]  
![PA Stanchion mount diagram]  
![PA Stanchion mount diagram] | ![PA Stanchion mount diagram]  
![PA Stanchion mount diagram]  
![PA Stanchion mount diagram] |

Dimensions:
- UL: Width: 112.2\(\text{in}\)  
Height: 240\(\text{in}\)  
Depth: 13.1\(\text{in}\)  
- ATEX: Width: 112.2\(\text{in}\)  
Height: 240\(\text{in}\)  
Depth: 13.1\(\text{in}\)  
- IECEX: Width: 9.8\(\text{in}\)  
Height: 240\(\text{in}\)  
Depth: 9.8\(\text{in}\)