• Available from 40W (4,800 lm) - 150W (18,000 lm)
• Offered with 3 mounting options: U-bracket, Ceiling Mount, Wall mounting
• 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 IIIC T* Gc
  II 3D Ex tc op is IIIC T* Dc

---

![Standard product picture](image1)

![Tangerine red](image2)

Tangerine red

The CESP 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, 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, Ceiling Mount, Wall mounting

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 warrantied to shift no
more than 200K in CCT over a 5-years period

Color Uniformity:
CESP’s range of CCT (Correlated Color
Temperature) follows the guidelines of the
American National Standard for Specifications
for the Chromaticity of Solid State Lighting (SSL)

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

<table>
<thead>
<tr>
<th>Series models</th>
<th>Size(L<em>W</em>H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES-EX-LN-02-40-60XXX</td>
<td>596<em>126</em>114mm (23.5<em>5</em>4.5”)</td>
</tr>
<tr>
<td>CES-EX-LN-02-80-150XXX</td>
<td>566<em>202</em>112mm (21.9<em>8</em>4.4”)</td>
</tr>
</tbody>
</table>

![Image of CES-EX-LN-02(40~60W)]

![Image of CES-EX-LN-02(80~150W)]
## Performance and Packaging

### Performance

<table>
<thead>
<tr>
<th></th>
<th>CES-EX-LN-02-40~60XXXX Series</th>
<th>CES-EX-LN-02-80~150XXXX Series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Model</strong></td>
<td>CES-EX-LN-02-40~60XXXX Series</td>
<td>CES-EX-LN-02-80~150XXXX Series</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>LED Explosion proof Linear Light</td>
<td>LED Explosion proof Linear Light</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td>U-bracket/Ceiling Mount /Wall mounting</td>
<td>U-bracket/Ceiling Mount /Wall mounting</td>
</tr>
<tr>
<td><strong>Power (W)</strong></td>
<td>40/50/60</td>
<td>80/100/120/150</td>
</tr>
<tr>
<td><strong>Voltage - Frequency</strong></td>
<td>100-277Vac 50-60Hz</td>
<td>100-277Vac 50-60Hz</td>
</tr>
<tr>
<td><strong>Color Temp</strong></td>
<td>5000K (Provides 2700K to 6500K)</td>
<td>5000K (Provides 2700K to 6500K)</td>
</tr>
<tr>
<td><strong>CRI (Ra) (typ.)</strong></td>
<td>≥70</td>
<td>≥70</td>
</tr>
<tr>
<td><strong>Luminous Flux (lm)</strong></td>
<td>120lm/W</td>
<td>120lm/W</td>
</tr>
<tr>
<td><strong>Bare Lamp efficacy (LPW)</strong></td>
<td>120</td>
<td>120</td>
</tr>
<tr>
<td><strong>Beam Angle</strong></td>
<td>120°</td>
<td>120°</td>
</tr>
<tr>
<td><strong>Power Factor</strong></td>
<td>&gt;0.95</td>
<td>&gt;0.95</td>
</tr>
<tr>
<td><strong>Rated Lifetime - L70 (hrs.)</strong></td>
<td>50,000</td>
<td>50,000</td>
</tr>
<tr>
<td><strong>Product Size</strong></td>
<td>596<em>126</em>114mm(23.5*4.5&quot;)</td>
<td>566<em>202</em>112mm(21.9*8.4&quot;)</td>
</tr>
<tr>
<td><strong>Housing</strong></td>
<td>ADC12 and 6063 Aluminum+Tempered glass</td>
<td>ADC12 and 6063 Aluminum+Tempered glass</td>
</tr>
</tbody>
</table>

### This Product is Packed With U-type bracket as Standard Package.

<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-LN-02-40XXXX</td>
<td>596<em>126</em>114mm(23.5*4.5&quot;)</td>
<td>To be confirmed</td>
<td>1</td>
<td>6</td>
<td>To be confirmed</td>
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<tr>
<td>CES-EX-LN-02-50XXXX</td>
<td>596<em>126</em>114mm(23.5*4.5&quot;)</td>
<td>To be confirmed</td>
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<td>6</td>
<td>To be confirmed</td>
</tr>
<tr>
<td>CES-EX-LN-02-60XXXX</td>
<td>596<em>126</em>114mm(23.5*4.5&quot;)</td>
<td>To be confirmed</td>
<td>1</td>
<td>6</td>
<td>To be confirmed</td>
</tr>
<tr>
<td>CES-EX-LN-02-80XXXX</td>
<td>566<em>202</em>112mm(21.9*4.4&quot;)</td>
<td>To be confirmed</td>
<td>1</td>
<td>11</td>
<td>To be confirmed</td>
</tr>
<tr>
<td>CES-EX-LN-02-100XXXX</td>
<td>566<em>202</em>112mm(21.9*4.4&quot;)</td>
<td>To be confirmed</td>
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<td>11</td>
<td>To be confirmed</td>
</tr>
<tr>
<td>CES-EX-LN-02-120XXXX</td>
<td>566<em>202</em>112mm(21.9*4.4&quot;)</td>
<td>To be confirmed</td>
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<td>11</td>
<td>To be confirmed</td>
</tr>
<tr>
<td>CES-EX-LN-02-150XXXX</td>
<td>566<em>202</em>112mm(21.9*4.4&quot;)</td>
<td>To be confirmed</td>
<td>1</td>
<td>11</td>
<td>To be confirmed</td>
</tr>
</tbody>
</table>

### Mounting:

- **Ceiling Mount**
- **Wall mounting**

![Diagram of Ceiling Mount and Wall mounting](image)