LED Anti-explosive Lights

UL844:  Class I Division 2  Group A B C D
ATEX:  Group II Zone 1 & Zone 2, Zone21 & Zone22
IECEX: Group II Zone 1 & Zone 2, Zone21 & Zone22
CNEX:  Group II Zone 1 & Zone 2, Zone21 & Zone22
FEATURES

1. High Efficacy low decay 700MA LED chip
2. High heat transmit die cast housing ADC12 aluminum, patent design, IP68
3. Shock and vibration resistant tempered glass, super clear 95% light transmit rate
4. Anti-glare. Scientific optical reflector design, making the light more focus, even, comfortable for eyes
5. Original Bridgelux LED source, high luminous efficacy and long lifespan
6. MEANWELL HLG series driver, the highest level of MEANWELL driver
7. Surface treatment-Powder painted, salt resistant and chemical resistant, also hard for dust to accumulate on the surface
8. 2.0mm aluminum PCB with heat index 2.5, keep LED working under cool temperature
9. Working temperature: -30ºC to 50ºC.

Certification: ATEX, UL, CUL, DLC, PSE, SAA&C-TICK, CQC, CE, ROHS, IP68

APPLICATIONS

1. Suitable for gas station, petroleum and chemical industries, coal mine, military, airport, warehouse, marine etc.
2. Zone1 & Zone2 gaseous environment, and Zone21 & Zone22 dust environment.
3. Class I Division 2 Group A, B, C, D
**DETAILS**

UL TUV CB EMC CE certified MW HLG series power driver, IP67 protective level.

The integration of reflective optical design, install directly in the light body, make the light more focus and comfortable for eyes.

High pressure die casting alloy aluminum housing, create through high pressure (1600 ton) in one piece, high explosion proof level and IP68 waterproof protection.

LED chip with 2.0mm thick Aluminum PCB board installed directly onto Aluminum Shell. As a result, the whole lamp is integrated as a radiator for the LED chips. Besides, the distance of LEDS are good enough for spreading heat, to ensure long lifespan, and with special circuit design, each LED chip won’t affect the others when fail to work, so the lamp will keep working even if some LED chips stopped.
# TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Item No</th>
<th>Rated Power</th>
<th>Size(mm)</th>
<th>Beam Angle</th>
<th>Certificate for Europe</th>
<th>Certificate for US &amp; Canada</th>
<th>Certificate for Pacific</th>
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<tbody>
<tr>
<td>CES-J200</td>
<td>200W</td>
<td>400<em>400</em>185mm</td>
<td>120°x120°</td>
<td>ATEX/CE/ROHS</td>
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## LED Specification

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<th>Item No</th>
<th>LED QTY</th>
<th>Lumens</th>
<th>Lumen Lm/W</th>
<th>CCT</th>
<th>CRI</th>
<th>Input V</th>
<th>Input Current</th>
<th>PF</th>
<th>THD</th>
<th>Type</th>
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<td>156 pcs</td>
<td>21645</td>
<td>117Lm/W</td>
<td>2700-6500K</td>
<td>&gt;70</td>
<td>AC100-277V</td>
<td>350mA</td>
<td>&gt;0.98</td>
<td>&lt;10%</td>
<td>HLG MEANWELL Driver with IP68 protective Aluminum Housing</td>
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PHOTOMETRIC CURVE

COLOR TEMPERATURE

120°x120° (40W/100W/185W)
- Fixture is equipped with Bracket
- Connection outlet conduit: 3/4” NPT
- Conduit and pole are not included in products.
- All installation must conduct by qualify electrician.
- Seal must be placed in each conduit
MOUTING KITS OPTIONS

1. U shaped bracket

2. Adjustable Wall/Ceiling Mount Plate

3. High bay mount hook
4. Recessed mount holder

Dimensions

- CES-J40S
  - 200mm x 200mm
  - 270mm x 270mm

- CES-J60 – J100
  - 300mm x 300mm
  - 175mm x 175mm

- CES-J120 – J200
  - 400mm x 400mm
  - 185mm x 185mm