BC9300
Explosion Proof Platform Light

Drawing of dimension (Dimensions in mm)

Ceiling Mounting (optional)

Side wall mounting 90°

Side wall mounting 150°

Guardrail mounting

Flange mounting

Accessories order information (Guardrail mounting)

Order number | No. | Specification | Quantity
---|---|---|---
P05 | 1 | Guardrail pole | 1
2 | U type bolts | 2

Accessories order information (Flange mounting)

Order number | No. | Specification | Quantity
---|---|---|---
P06 | 1 | Flange pole | 1

Accessories order information (Wall mounting 90°deg)

Order number | No. | Specification | Quantity
---|---|---|---
P04 | 1 | Expansion screw hook | 1
2 | Chain | 1
3 | C-C turn buckle | 1
4 | G3/4" bend pipe 90° | 1

Accessories order information (Wall mounting 150°deg)

Order number | No. | Specification | Quantity
---|---|---|---
P03 | 1 | Expansion screw hook | 1
2 | Chain | 1
3 | C-C turn buckle | 1
4 | G3/4" bend pipe 150° | 1

Technical Parameters

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage (V)</td>
<td>90-264VAC</td>
</tr>
<tr>
<td>Rated frequency</td>
<td>50Hz / 60Hz</td>
</tr>
<tr>
<td>Light source</td>
<td>LED</td>
</tr>
<tr>
<td>Life time (h)</td>
<td>100,000</td>
</tr>
<tr>
<td>CRI (Ra)</td>
<td>75</td>
</tr>
<tr>
<td>CCT</td>
<td>4250K ±250K</td>
</tr>
<tr>
<td>Cable entry</td>
<td>G3/4&quot;</td>
</tr>
<tr>
<td>Loading-in cable diameter</td>
<td>ø 9mm~ ø 14mm</td>
</tr>
<tr>
<td>Dimension (mm)</td>
<td>424 × 177 × 77</td>
</tr>
<tr>
<td>Net weight (kg)</td>
<td>4.1</td>
</tr>
</tbody>
</table>

Application

- Approved for safe use in the explosive environment under the coal mine where the methane and the explosive dust exist.
- It is the idea lighting solution for the underground tunnel in the underground chamber in the mining field.

Characteristics

- Its reflector is specially designed for the tunnel. At the height of 3.5meters, 24W can reach 35Lux, 48W can reach 80Lux. The Light distribution distance is more than 15meters. It can save 65% on energy than the metal halide lamp.
- It adopts American CREE LED as light source, service life reach 100,000 hours
- Equipment with world famous brand electrical appliance, has a highly stable performance.
- The LED is seamless connected to the heat sink, which help to heat dissipating, ensured the LED’S life span.
- Supplied with stainless chain which have hooks on the end and the chain’s length is adjustable.
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof, make the lamp an excellent option for all kinds of high stress environment.

Main Specification
Chain type mounting (standard)

<table>
<thead>
<tr>
<th>Model number</th>
<th>Rated wattage (W)</th>
<th>Light output (lm)</th>
<th>Space height ratio</th>
<th>Mounting height (m)</th>
<th>Equivalents</th>
</tr>
</thead>
<tbody>
<tr>
<td>DGS10/127L(A)</td>
<td>10W</td>
<td>950</td>
<td>2.4</td>
<td>3-6m</td>
<td>MH</td>
</tr>
<tr>
<td>DGS24/127L(A)</td>
<td>24W</td>
<td>2000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DGS35/127L(A)</td>
<td>35W</td>
<td>3200</td>
<td></td>
<td></td>
<td>70W</td>
</tr>
<tr>
<td>DGS48/127L(A)</td>
<td>48W</td>
<td>3900</td>
<td></td>
<td></td>
<td>100W</td>
</tr>
</tbody>
</table>

Side wall mounting (optional)

<table>
<thead>
<tr>
<th>Model number</th>
<th>Rated wattage (W)</th>
<th>Light output (lm)</th>
<th>Space height ratio</th>
<th>Mounting height (m)</th>
<th>Equivalents</th>
</tr>
</thead>
<tbody>
<tr>
<td>DGS10/127L(A)</td>
<td>10W</td>
<td>950</td>
<td>2.4</td>
<td>3-6m</td>
<td>MH</td>
</tr>
<tr>
<td>DGS24/127L(A)</td>
<td>24W</td>
<td>2000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DGS35/127L(A)</td>
<td>35W</td>
<td>3200</td>
<td></td>
<td></td>
<td>70W</td>
</tr>
<tr>
<td>DGS48/127L(A)</td>
<td>48W</td>
<td>3900</td>
<td></td>
<td></td>
<td>100W</td>
</tr>
</tbody>
</table>

Ordering Reference

<table>
<thead>
<tr>
<th>Order number</th>
<th>No.</th>
<th>Specification</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>P010</td>
<td>1</td>
<td>chain</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Self locking hook</td>
<td>4</td>
</tr>
</tbody>
</table>

Accessories order information (Chain type mounting)

<table>
<thead>
<tr>
<th>Order number</th>
<th>No.</th>
<th>Specification</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>P011</td>
<td>1</td>
<td>bracket</td>
<td>1</td>
</tr>
</tbody>
</table>

Accessories order information (side wall mounting)

| Unit: m |

Application

- Coal mine tunnel, chamber, pumping stations, substations, parking area, etc.

Intelligent performance features (customized)

- When the lamp is powered on for the first time, it will be 100% lit. When the set time is not detected, the lamp will be reduced to 10%/ 20%/ 30%/ 50% brightness, and the brightness will be maintained until the set brightness is maintained. The light will illuminate 100% when the object is on.
- When the microwave detects the movement of the person or object, the light is 100% lit, and the lighting time can be set to 5S/ 30S/ 60S/ 5Min/ 10Min/ 20Min/ 30min. When the time is exceeded, the luminaire will enter the hold mode.
- The microwave detection range has a radius of 2.2-2.5 m and a diameter of 4.5-5.0 m.
- Compared with traditional HID light source lamps, the intelligent LED lamps can achieve a maximum energy saving of 90%.
- Through the automatic detection function, the power consumption of the lamp is reduced, and the life of the lamp is greatly improved. While saving energy, the maintenance workload is also reduced.

Characteristics

- According to the operator’s requirements for different height requirements of the ground, walls, and top of the coal mine roadway, the entire roadway space is illuminated in the most energy-efficient and efficient way.
- The light source adopts the world famous brand, and electricity consumption is only 40% of the metal halide lamp.
- The key components of the power supply are all world-class brands, efficient and stable.
- The unique heat dissipation structure is used to accelerate the heat conduction by the heat transfer heat conduction method, thereby effectively ensuring efficient heat dissipation of the LED, so that the LED life can reach 100,000 hours.
- Ceiling-mounted, parallel-connected, side-to-side, optimized for wiring design.
- The explosion-proof type has the highest explosion-proof grade and can be used in the inflammable and explosive places of the coal mining industry.
- The shell is treated with high-tech surface spray technology, which is wear-resistant, corrosion-resistant, waterproof and dustproof, and is suitable for various harsh environments.
- The intelligent module control system can be customized, and the humanized control lamps are bright and dark.

Technical Parameters

- Input voltage (V): 90-264VAC/127~300VDC
- Rated Frequency: 50Hz / 60Hz
- Anti corrosion grade: WF2
- Insulation grade: I
- Spacing height ratio: 3.5
- CCT: 5000K (3000K/4000K optional)
- Cable entry: G3/4"
- Leading-in cable diameter: 6 mm~ 14mm
- Dimension (mm): 240 ÷ 245 mm
- Net weight (kg): 5.2Kgs