

Explosion protected for Zone 1, 2, 21 and 22:

Light fitting with high performance

The LPL high power LED Pendant is designed to use high power (10W- 30W) white COB LED array which can deliver longer life, high efficiency. The lighting system power is 60W - 150W to replace 70W-250W MH luminaries perfectly. Copper free aluminum housing, heat - and impact-resistant glass globe, Ex d protection design, IP66 rate and innovated LED designed in, all the elements enhance the safety, energy efficiency and long life for this "Green" LED lighting.

Multiple applications

The LPL LED Pendant is suitable for Zone 1 & Zone 2 Ex-gas and Zone 21/22 Ex-dust hazardous area, such as heavy industrial, chemical, petrochemical or pharmaceutical facilities, platforms, shipyard, electric power, loading docks, wastewater treatment, paper mill.

Perfect temperature and optical performance for wide application

Best T - Rating: T6;

permissible ambient temperature for standard LED (6000K):

60 W/85 W/100 W: -35°C to +50°C;

125 W/150 W: -35°C to +40°C;

special colour temperature 3300K warm white product is also available for special environment, such as fog or smoke.

Standard U shape mounting bracket for ceiling and wall mounting is offered with lighting freely

Pole mounting accessories is available, need to be purchased separately, please refer to drawing for detail.

High efficiency, energy saving

Standard product (cool white 6000K) includes 5 optional rated wattages, 40% energy-saving comparing to metal halide:

| | |
|----------|-------------------------------|
| 60W LED | - retrofit 70W/100W MH light |
| 85W LED | - retrofit 150W MH light |
| 100W LED | - retrofit 175W MH light |
| 125W LED | - retrofit 175W-250W MH light |
| 150W LED | - retrofit 250W MH light |

- Copper free aluminum housing, temped and impact resistant glass globe, heat & corrosion proof.
- High degree of protection IP66
- Ex de design for Zone 1 & Zone 2, Zone 21 & Zone 22 both gas and dust Ex - hazardous area.
- High quality LED application, shock - and vibration resistant.
- Excellent thermal management, EOL over 50,000 hours under appropriate ambient temperature



Pendant Light Fitting LPL LED

COOPER Crouse-Hinds



LPL LED

Technical Data

LPL04 LED / LPL06 LED

| | |
|--|--|
| Marking to 94/9/EC | ⊕ II 2 G Ex d e IIC T6 Gb / ⊕ II 2 D Ex tb IIIC T80°C Db |
| EC-Type Examination Certificate | DNV-11 ATEX 06805X |
| IECEX Certificate of Conformity | IECEX CM 12.0007X |
| Permissible ambient temperature | -35 °C up to +50 °C (60 W, 85 W, 100 W) / -35 °C up to +40 °C (125 W, 150 W) |
| Rated voltage | AC 100 V - 277 V |
| Frequency | 50/60 Hz |
| Power consumption | 60 W, 85 W, 100 W, 125 W, 150 W |
| Power factor | >0.9 |
| Colour temperature | 6000 K cool white (3300 K warm white on request) |
| CRI | ≥ 65 |
| Light angle | 120° |
| Cable glands/Gland plates/Enclosure drilling | 2 x M 25 x 1.5, 1 entry plugged |
| Connecting terminals | 3 x 0.5 mm ² up to 6.0 mm ² for solid wire |
| Degree of protection accd. EN 60529 | IP 66 |
| Insulation class | I |
| Enclosure material | Copper free aluminium |
| Protective cover/protective bowl | impact resistant glass globe |
| Weight | 17 kg |
| Dimensions (L x W x H) | ∅ 350 mm x 240 mm |

Ordering details

| Type | Scope of delivery | Wattage | Ambient Temperature | Colour temperature | Order No. |
|----------------|----------------------|---------|---------------------|--------------------|--------------|
| LPL04-C60-60W | with U shape bracket | 60 W | -35 °C up to +50 °C | 6000 K | CCL 1090001A |
| LPL04-C60-85W | with U shape bracket | 85W | -35 °C up to +50 °C | 6000 K | CCL 1090002A |
| LPL04-C60-100W | with U shape bracket | 100 W | -35 °C up to +50 °C | 6000 K | CCL 1090003A |
| LPL06-C60-125W | with U shape bracket | 125 W | -35 °C up to +40 °C | 6000 K | CCL 1090004A |
| LPL06-C60-150W | with U shape bracket | 150 W | -35 °C up to +40 °C | 6000 K | CCL 1090005A |

Accessories

| Type | Order No. |
|---------------------------|-------------|
| Pole mounting accessories | CCL 1076003 |

Dimension drawing | Polar curve

