



CES-EX-SC SERIES EXPLOSION PROOF LED PORTABLE ELECTRIC HAND LAMPS

CESP hazardous locations

Exclusive Distributor by:
EGE TECHNOLOGY SDN BHD (201201031202)
www.egetech.com.my

CES-EX-SC SERIES

EXPLOSION PROOF LED PORTABLE ELECTRIC HAND LAMPS



Product description

This LED explosion-proof hand lamp use high-efficiency LED chips and do not require ballasts. it is produced by the device with a color temperature of 6000K (optional), which is clearer and whiter than the light produced by incandescent lamps, and there is no glare, 180° or 360° luminous angle. It is durable, corrosion-resistant, and has undergone extreme hydraulic and heavy pressure testing to withstand 7J impact. It has the characteristics of small size, light weight, portable etc. No hot when operate at the highest temperature, internal locking can prevent the cable from pulling out. Applicable to zone 1, zone 21, zone 2, zone 22 dangerous areas.

Features

- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- LED: LM80 certified, high efficacy, low decay, long lifespan. 130lm/W ± 5 , up to 4200lm.

Material

Hook: 316 stainless steel, Protective cage - Low-carbon steel.

Lens: tempered glass, shock & vibration resistant, Super clear, >90% light transmit.

Housing: Aluminum alloy, ADC12 (high pressure), powder coated.

Handle part: aluminum alloy inside + rubber cover.

Certification

ATEX:

- Ex II 2G Ex db eb IIC T6 Gb;
- Ex II 2D Ex tb IIIC T 80°C Db;
- IP66;
- Certificate No: SEV 20 ATEX 0369 X;

IECEX:

- Ex db eb IIC T6 Gb;
- Ex tb IIIC T 80°C Db;
- IP66;
- Certificate No: IECEX SEV 20.0003X;

Application

Wastewater treatment, oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, tunnels, outdoor or indoor mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

Warranty

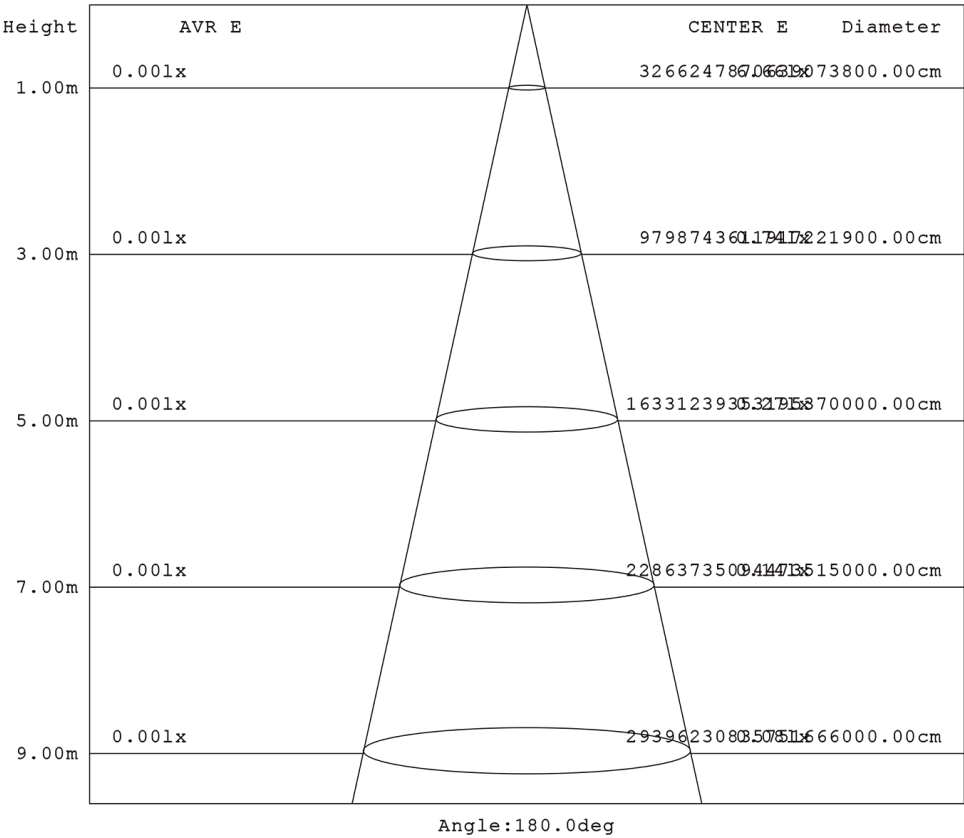
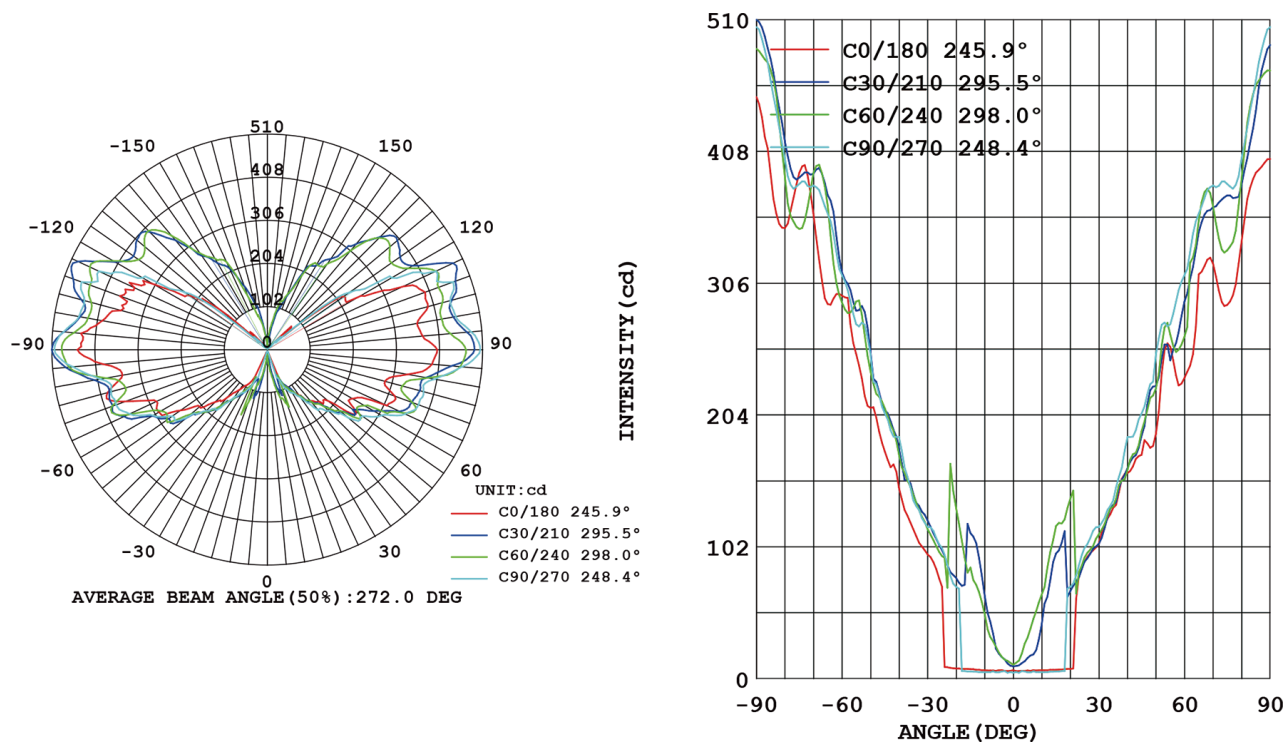
5-Year Standard Warranty



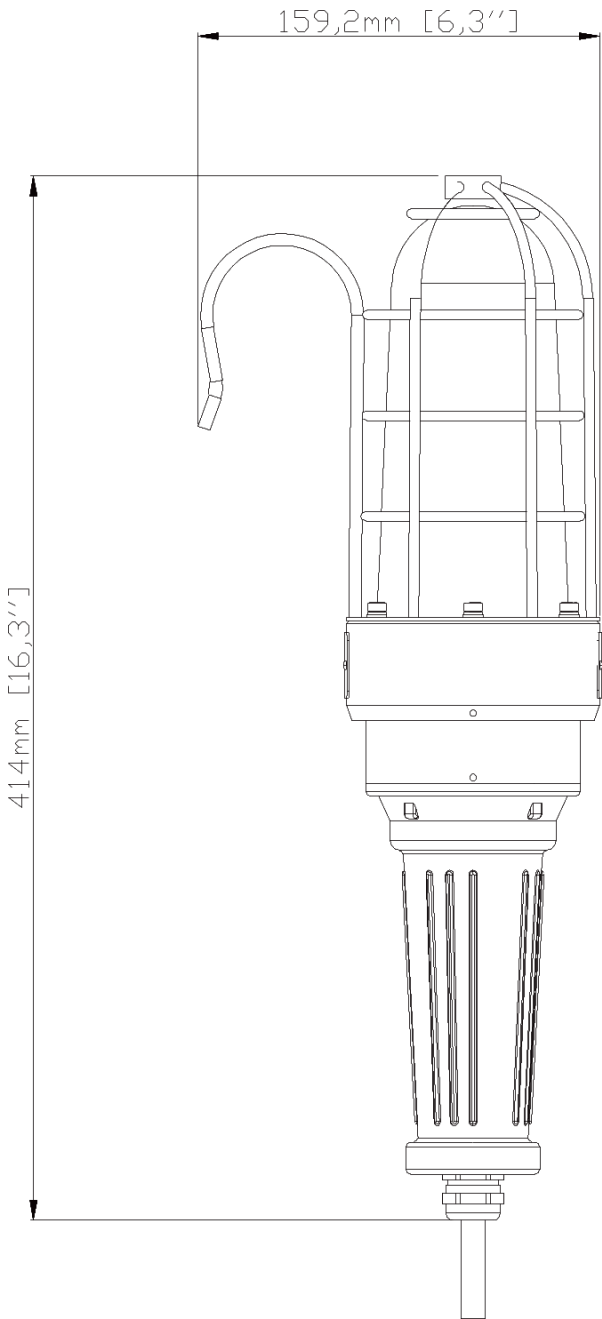
(Please see the specification of UL HazLoc version)



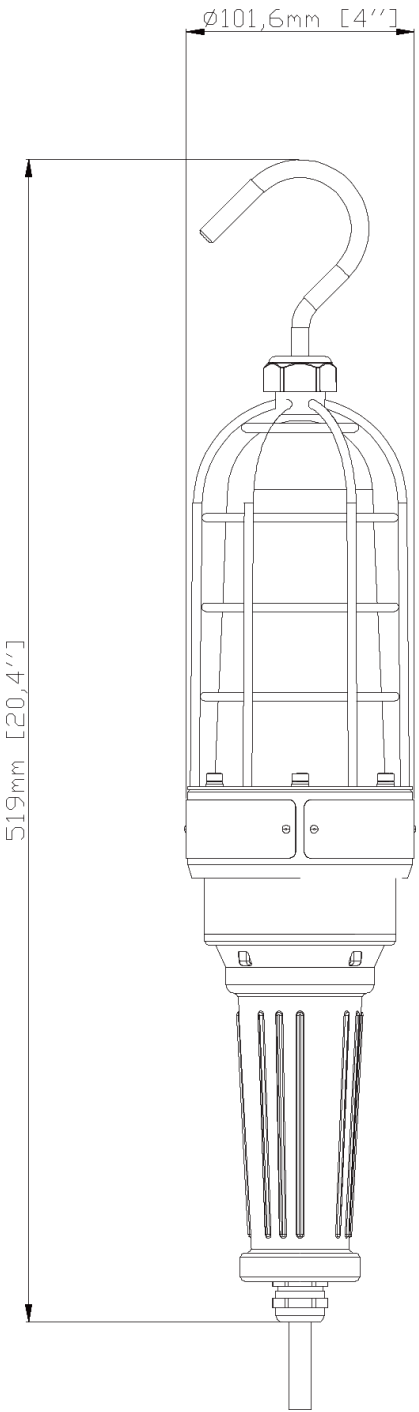
LightingDistribution



Size and packaging



| Product Model | Product Size | Carton Size | QTY/CTN | Net Weight | Gross Weight |
|----------------------------|---------------------------------|-------------------------------|---------|----------------|---------------|
| CES-EX-SC10-02 (Side hook) | 101.6×159.2×414mm / 4×6.3×16.3" | 475×200×150mm / 18.7×7.9×5.9" | 1 | 2.4KG / 5.3lbs | 2.65KG / 6lbs |
| CES-EX-SC10-02 (Side hook) | 101.6×159.2×414mm / 4×6.3×16.3" | 475×200×150mm / 18.7×7.9×5.9" | 1 | 2.4KG / 5.3lbs | 2.65KG / 6lbs |
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| Product Model | Product Size | Carton Size | QTY/CTN | Net Weight | Gross Weight |
|---------------------------|-------------------------|-------------------------------|---------|----------------|--------------|
| CES-EX-SC10-02 (Top hook) | Φ101.6×519mm / Φ4*20.4" | 570×140×150mm / 22.4×5.5×5.9" | 1 | 2.4KG / 5.3lbs | 2.7KG / 6lbs |
| CES-EX-SC10-02 (Top hook) | Φ101.6×519mm / Φ4*20.4" | 570×140×150mm / 22.4×5.5×5.9" | 1 | 2.4KG / 5.3lbs | 2.7KG / 6lbs |
| CES-EX-SC10-02 (Top hook) | Φ101.6×519mm / Φ4*20.4" | 570×140×150mm / 22.4×5.5×5.9" | 1 | 2.4KG / 5.3lbs | 2.7KG / 6lbs |

Technical parameter

| ProductModel | CES-EX-SC Series |
|-----------------------------|--|
| Type | Portable Electric Hand Lamps |
| luminous efficiency | 130 lm/W |
| Power (W) | 10W / 20W / 30W |
| Voltage - Frequency | Optional 1:110-277VAC; Optional 2:110VDC; Optional 3:12-24VDC |
| Color Temp | 5000K (Provides 3000K to 6500K) |
| CRI (Ra) (typ.) | ≥70 |
| Power Supply | High Efficiency LED driver, more than 50000 hours lifespan |
| Beam Angle | 180° /360° |
| Power Factor | >0.95 |
| Rated Lifetime - L70 (hrs.) | 50,000 |
| THD | <10% |
| Operating temperature | -40 °C to +50 °C |
| Entry Size | M20 X1.5 |
| Cable | Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard) |

Installation method



CES-EX-SC10-02 (Side hook)



CES-EX-SC10-02 (Top hook)