

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

CESP hazardous locations

# 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

- Lens - tempered glass(10mm), shock & vibration resistant, Super clear, >90% light transmit.
- 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.
- Pass the multi-angle drop test;
- Ergonomic design to ensure that the handle temperature is suitable for the hand;
- The internal locking device can effectively prevent the cable from being pulled out;

## 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.

## Certification

### ATEX:

- Ex II 2G Ex db eb IIC T6 Gb;
- Ex II 2D Ex tb IIIC T 80°C Db;
- IP66;

### IECEX:

- Ex db eb IIC T6 Gb;
- Ex tb IIIC T 80°C Db;
- IP66;

## Warranty

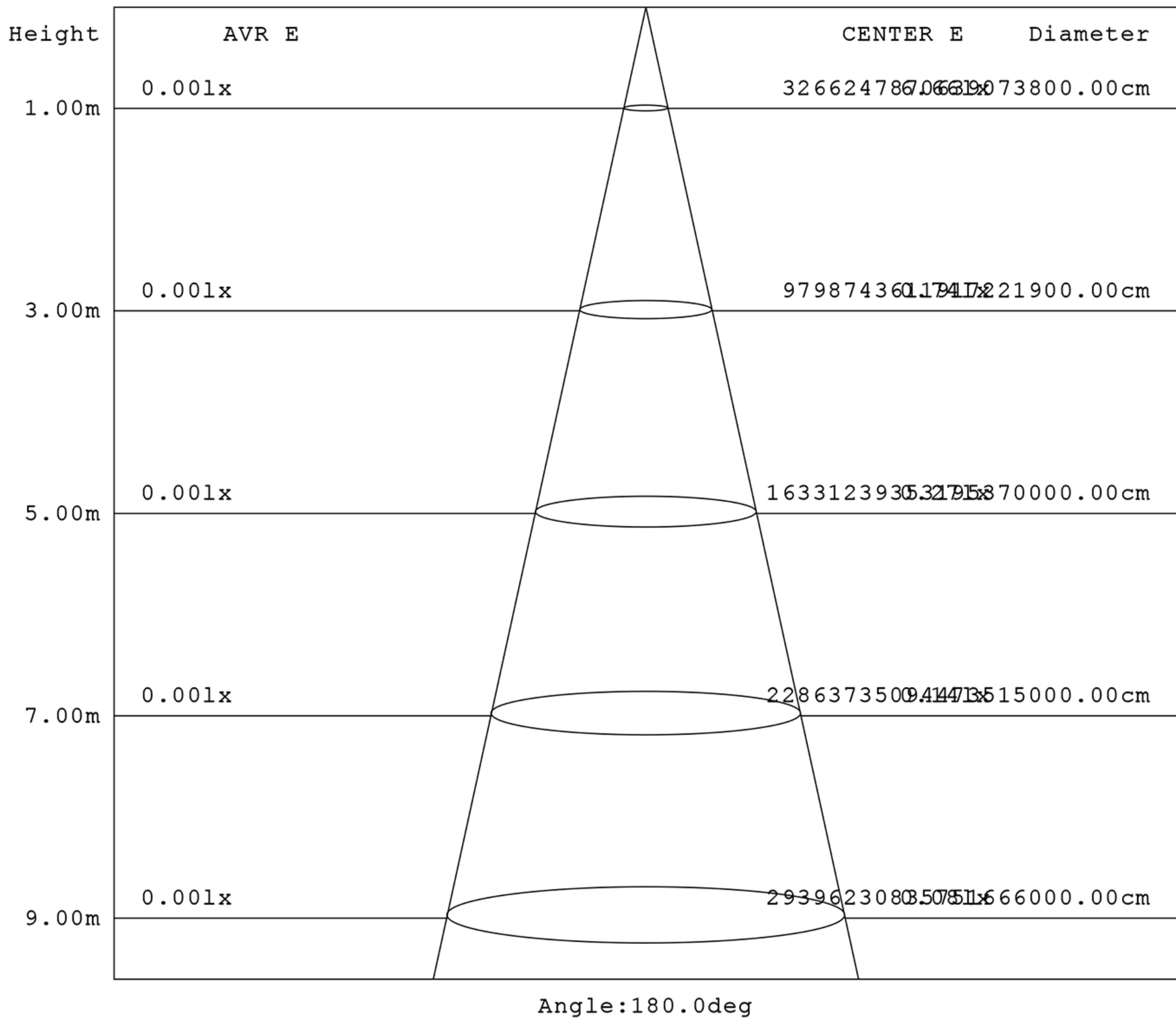
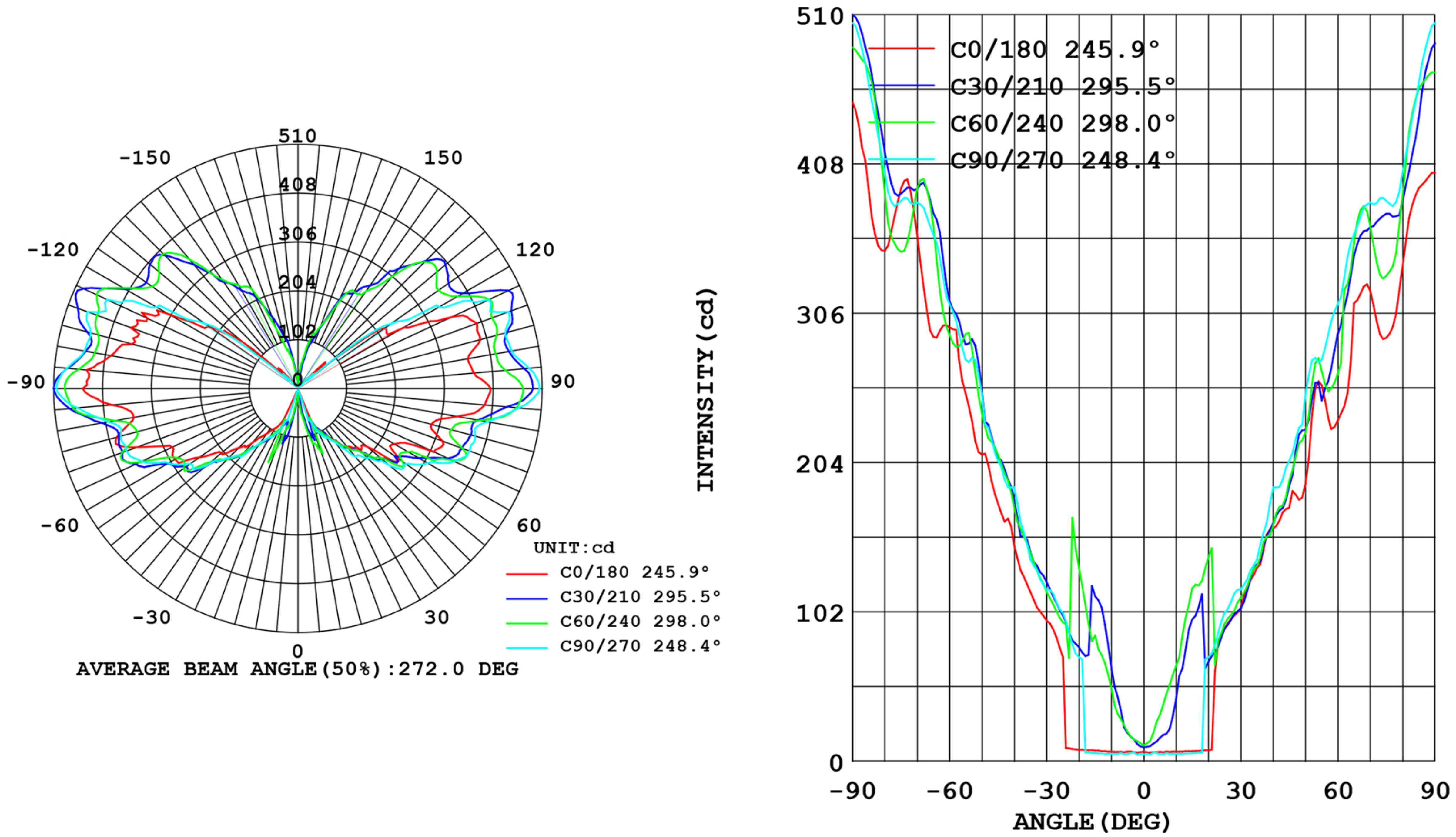
5-Year Standard Warranty



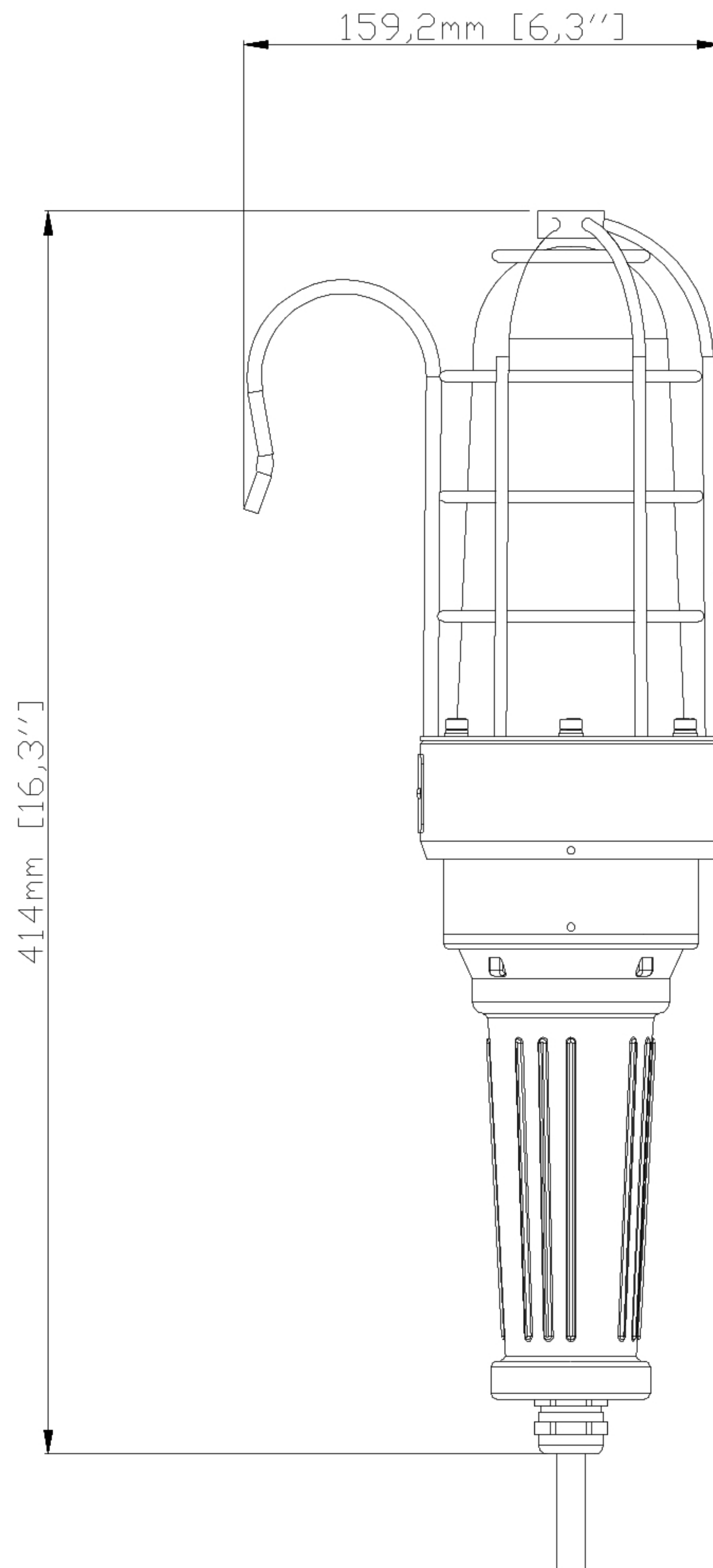
(Please see the specification of UL HazLoc version)



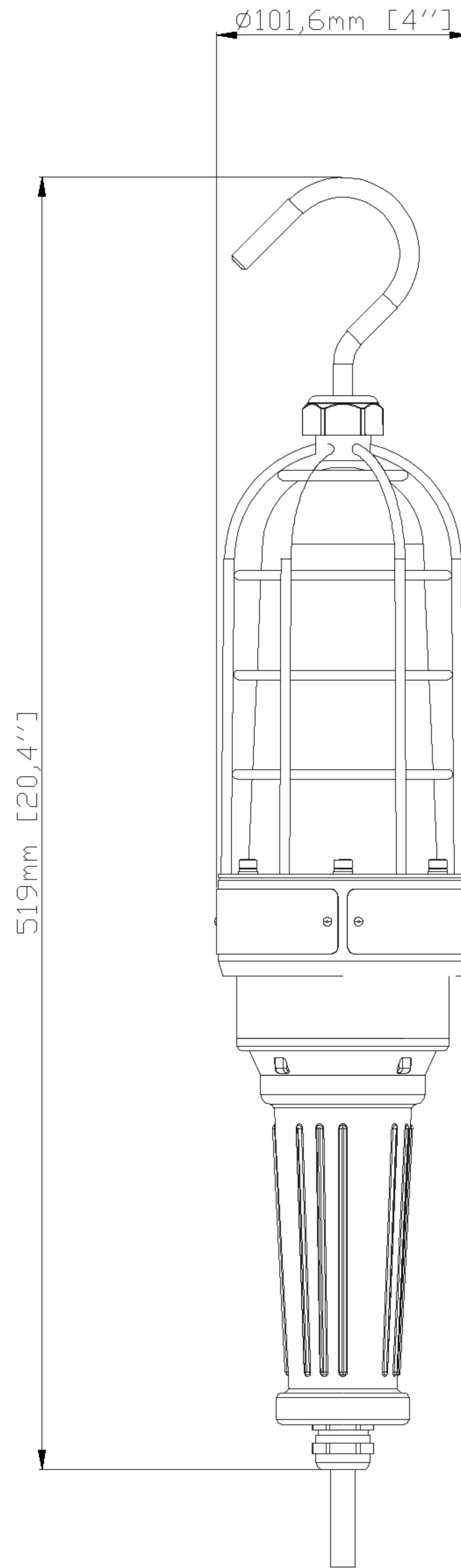
Lighting Distribution



**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	120 lm/W
Power (W)	10W / 20W / 30W
Voltage - Frequency	1100Vac, 110Vdc, 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	3/4"-14 NPT or M25 X1.5 or M26 X1.5
Cable	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)

## Product display



CES-EX-SC10-02 (Side hook)



CES-EX-SC10-02 (Top hook)