

LPL Ex High Power LED Pendant

Product Introduction

The Zone 1 LPL product Series LED Luminaires are designed to provide full-spectrum, white light. Multiple version of the LPL LED are available, providing ideal solutions for a wide range of applications.

LPL offering provides the same durability and reliability of a traditional HID fixture, coupled with the low cost of ownership and energy efficiency of Crouse-Hinds LED technology. High-performance LEDs and a solid-state electronic driver provide light where you need it, at a fraction of the operating costs of HID lighting technologies.

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.



Product Features

- **High Efficient**

Model	Nominal Lumens	Wattage	Equivalent HID Luminaire
LPL18-C57-4L	4270lm	43W	70W-100W
LPL18-C57-5L	4994lm	53W	70W-100W
LPL18-C57-6L	6418lm	62W	150W-175W
LPL18-C57-7L	6680lm	70W	150W-175W
LPL18-C57-9L	8998lm	87W	175W
LPL18-C57-10L	9974lm	105W	250W
LPL18-C57-12L	11700lm	125W	250W-400W
LPL18-C57-14L	13721lm	141W	400W

*Warm color limen Please contact Crouse-Hinds sales.

- **Outstanding Safety & Reliability; Robust Construction, Maintenance Free**

- Copper free aluminum housing, temped and impact resistant glass globe, heat & corrosion proof.
- IP66 Protection.
- Ex de design, suitable for Zone 1 & Zone 2, Zone 21 & Zone 22 both gas and dust Ex - hazardous area.

- **Perfect Temperature and Optical Performance for Wide Application**

- Best T- Rating: T6/T5
- Permissible temp. range:
 - 40°C~+40°C/+45°C/+55°C(Nor)
 - 40°C~+55°C(EM)
- Standard product cool white 5700K LED
- Warm white 3000K is available for special environment such as smoke and dust environment.

- **Standard products are suitable for pendant mount.**

Optional mounting accessories U shape bracket and pole mounting bracket is also available. Provides the greatest mounting flexibility, it can be installed as ceiling wall mount And pole mount. Please refer to below drawing for details.

- **Lead-free and environment-friendly**

- **LPL LED Benefits:**

- Instant illumination and restrike
 - Cold temperature operation / no warm-up required
 - Redundancy in drivers with multiple series circuits connected to each driver to avoid complete loss of illumination
 - Energy-efficient technology - up to 65% energy savings over HID fixtures
 - Contains no mercury or other hazardous substances
 - Shock- and vibration-resistant solid-state luminaires have no filaments or glass components that could break - greatly reduces the risk of premature failure
 - Dark sky compliant
 - Life time $\geq 50,000\text{h}@55^{\circ}\text{C}$ for 4L~12L
 - Life time $\geq 50,000\text{h}@40^{\circ}\text{C}$ for 14L *
- *14L was certified at 55°C, for life time of 55°C, pls contact Crouse-Hinds sales.

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Technical Information

Marking acc. to ATEX	⊕ II 2 G Ex db eb IIC T6/T5 Gb ⊕ II 2 D Ex tb IIIC T80°C/T95°C Db
ATEX Cert	EPT 17 ATEX 2592X
Marking acc. to IECEx	Ex db eb IIC T6/T5 Gb Ex tb IIIC T80°C/T95°C Db
IECEx Cert	IECEx CQM 16.0043X
Marking acc. to GB	Ex d e IIC T6/T5 Gb Ex tD A21 T80°C/T95°C
GB Cert	GYJ17.1005X
EMC compliance	EN55015:2006+A1:2007+A2:2000; EN61000-3-2:2006+A1:2009+A2:2009; EN61000-3-3:2008; EN61000-6-2:2005; EN61547:2009
LED light source	PHILIPS LUMILEDS Luxeon series LED chips
Rated voltage	Nor: 100~277V AC 50/60Hz, 127~250V DC EM: 100~240V AC 50/60Hz, 127~250V DC
THD	<15% @120V~230V AC <20% @277V AC
Power factor	≥ 0.9
CRI	5700K(CRI 70)/ 3000K(CRI 80)
Cable entry	2xM25x1.5 or 2xM20x1.5, 1 entry plugged
Terminal	L, N, PE; solid: 0.5mm ² -6mm ² ; Flexible: 0.5mm ² -4mm ²
Permissible ambient temperature	-40°C~+40°C/45°C/55°C(Nor), -40°C~+55°C(EM)
Degree of protection	IP66
Insulation class	I
Dimension	Ø350 x 240 (mm)
Net weight	Nor: 17kg, EM: 20kg

Ordering Logic

LPL	18	-C57	-5L	-V07*	-1M	-LT1	-FG	-EM1	-NB*
Series	LED qty	LED color temperature	Total Lumen	Driver voltage	Entry size	Temperature range	Glass	Emergency Duration	Narrow Beam
LPL	18= ≥18PCS LED ARRY5 W30=WARM WHITE 3000K	C57=COOL WHITE 5700K	4L= 4270 lm 5L= 4994 lm 6L= 6418 lm 7L= 6680 lm 9L= 8998 lm 10L= 9974 lm 12L= 11700 lm 14L= 13721 lm	V07:100-277V AC 50/60Hz 127-250V DC V09:100-240V AC 50/60Hz 127-250V DC	1M= M20 2M= M25	LT1=-40°C ~55°C LT2=-40°C ~50°C LT3=-40°C ~45°C LT4=-40°C ~40°C	FG=Frosted glass CG=Clear glass	Default=Non-Emergency EM1=100% lumen output(4L) EM2=35% lumen output(6L&7L) EM3=25% lumen output(6L&7L)	Default=Wide Beam NB=Narrow Beam

*: V07 suitable for normal version, V09 suitable for emergency version, NB only suitable for clear glass

Ordering Code of Typical Type(mounting accessories ordered separately, see next page)

Part No.	Product Type	Lumen Output	Color Temp	System Watt	Input Valtage	LED Qty	Ambient Ta	Ta Code (Gas)	TC(Dust) Dust Temp
CCL1624878	LPL18-C57-4L-V07-2M-LT1-CG	4270lm	5700K	43W	100~277VAC	40	-40°C ~+55°C	T6	T80°C
CCL1624879	LPL18-C57-5L-V07-2M-LT1-CG	4994lm		53W		50		T6	T80°C
CCL1624880	LPL18-C57-6L-V07-2M-LT1-CG	6418lm		62W		60		T6	T80°C
CCL1624801	LPL18-C57-7L-V07-2M-LT1-CG	6680lm		70W		30		T6	T80°C
CCL1624803	LPL18-C57-9L-V07-2M-LT1-CG	8998lm		87W	127~250VDC	40		T6	T80°C
CCL1624804	LPL18-C57-10L-V07-2M-LT1-CG	9974lm		105W		44		T6	T80°C
CCL1624805	LPL18-C57-12L-V07-2M-LT1-CG	11700lm		125W		52		T5	T95°C
CCL1624807	LPL18-C57-14L-V07-2M-LT1-CG	13721lm		141W		60		T5	T95°C

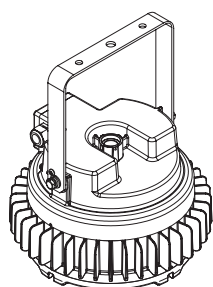
*Default= IECEx certified; suffix A= ATEX certified; suffix B=GB certified

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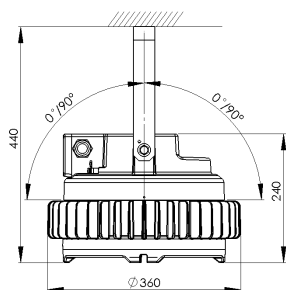
Mounting Accessories (Order separately)

Material Code	Product Description
CCL1202180	Standard U mounting bracket
CCL1624750	Universal mounting bracket, painted steel
CCL1076003	Pole mounting bracket, painted steel

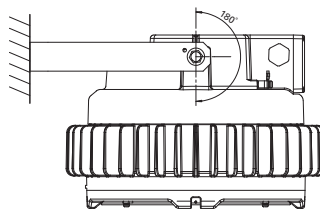
Installation and Dimension



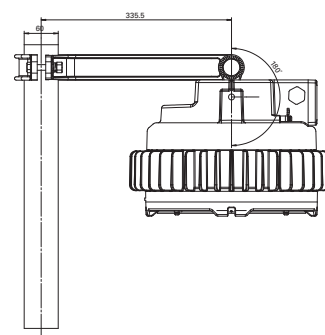
Standard U mounting bracket



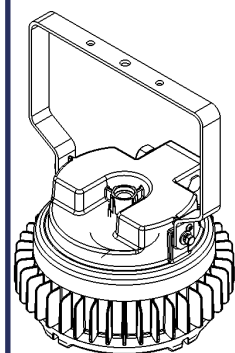
Ceiling mounting



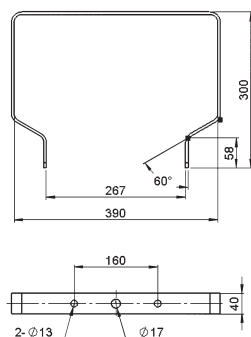
Wall mounting



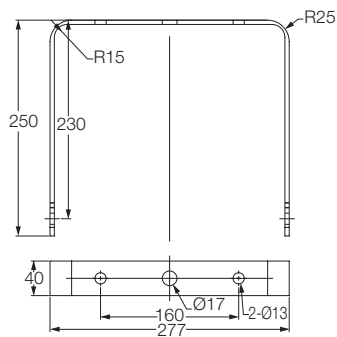
Pole mounting



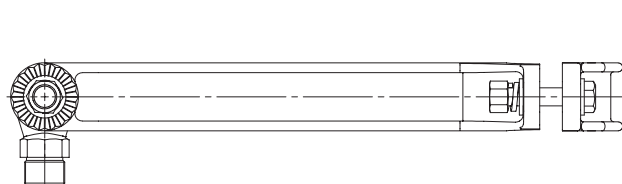
Universal U mounting bracket



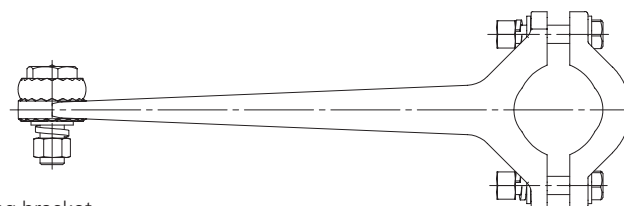
Universal mounting bracket



Standard mounting bracket



Pole mounting bracket



Note: 1. Scope of supply exclude pole mounting accessories, please purchase separately.

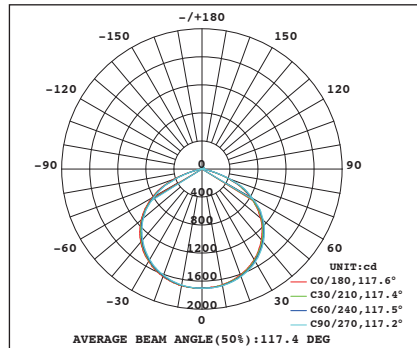
2. As shown in figure, angle locator is included, to install the bracket vertically to adjust the aim light to 90° past vertical.

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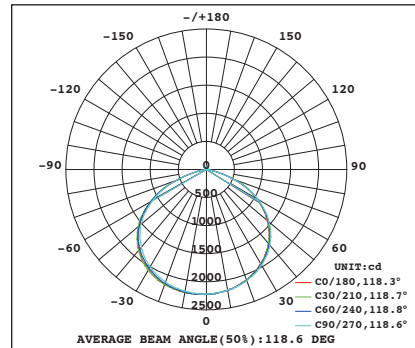
Polar Curve

Wide Beam

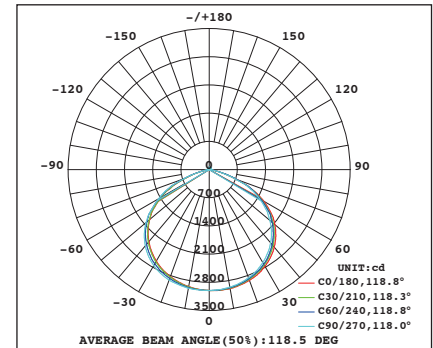
LPL18-C57-5L



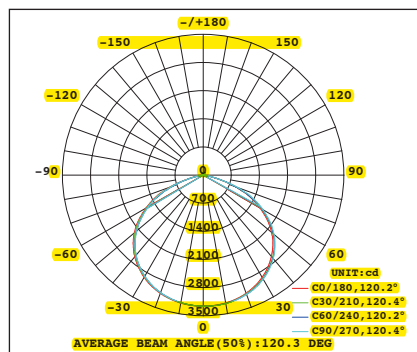
LPL18-C57-7L



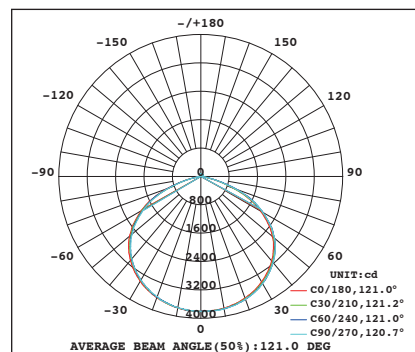
LPL18-C57-9L



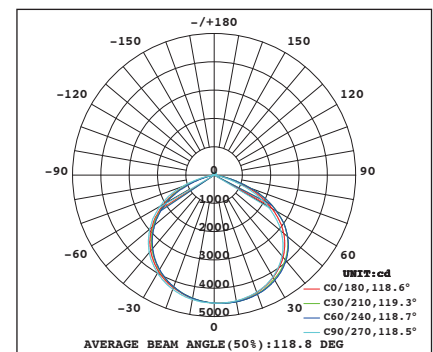
LPL18-C57-10L



LPL18-C57-12L

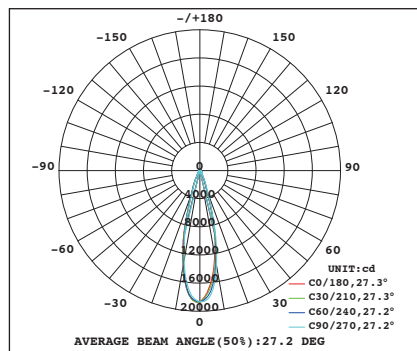


LPL18-C57-14L

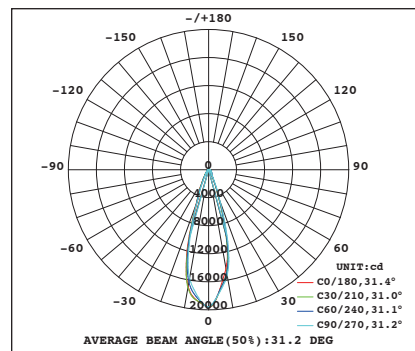


Narrow Beam

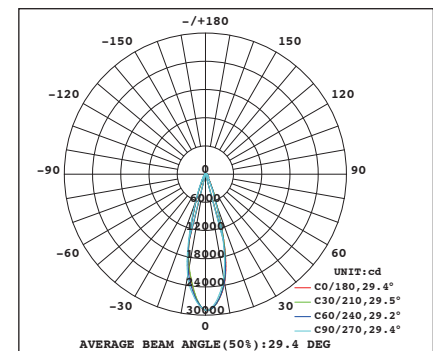
LPL18-C57-5L-NB



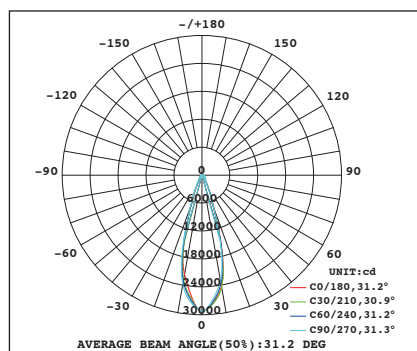
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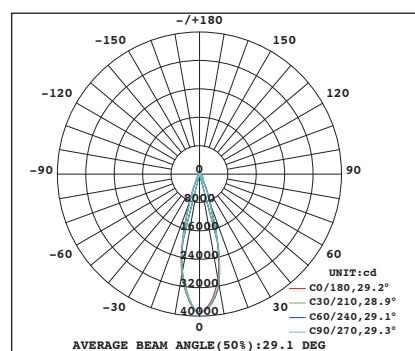
LPL18-C57-9L-NB



LPL18-C57-10L-NB



LPL18-C57-12L-NB



LPL18-C57-14L-NB

