

CEAG Products
Pendant light fittings

CROUSE-HINDS
SERIES



HPL - Your Reliable LED Power Light

Pendant Light Fittings for Ex-Areas Zone 1 and 21



EATON

Powering Business Worldwide

LED Low Bay Lighting For Harzardous Areas Zone 1/21

Zone 1/21

Lighting under harsh conditions

The industrial low bay lighting HPL in LED technique is especially suited for the specific lighting of machines, production areas or facilities indoor and outdoor under harsh and rough conditions like vibrations, dust, moisture or corrosive atmospheres and extreme temperatures.

Replacement of conventional light fittings up to 150 W

With a luminous flux of the light fittings of up to 8,000 lm this fitting can be used to replace comparable conventional light sources with an equivalent power consumption up to 175 W.

High efficient LED technology

High efficient power LED module and more than 100 Lumen/Watt enables up to 66 % energy-cost savings compared to conventional HID lamp

Application areas

- Heavy Industry
- Chemical Industry
- Pharmaceutical Industry
- Marine Industry
- Waste water treatment

Energy savings

Model	Equivalent HID Luminaire	Energy savings
HPL		
HPL 3L	70 W - 100 W	Up to 58%
HPL 5L	100 W - 150 W	Up to 66%
HPL 7L	150 W - 175 W	Up to 60%
HPL 8L	150 W - 175 W	Up to 60%



Features

- High-efficient LED module
- Wide temperature range from -40 °C up to +50 °C
- Compact and light weight design for flexible applications
- Available in cold white CCT 5700 K and warm white 3000 K
- High efficient heatsink design for an optimised temperature management
- Impact, anti-shock and vibration resistant
- Mercury- and lead-free for optimal environment protection
- High degree of protection IP66 for harsh environments

Ordering details, Technical data, Polar curve, Dimension drawing

HPL pendant light fitting for Ex-areas Zone 1 and 2 I

Ordering details



Type	Lamp / illuminant	Light output	Description	Order No.
HPL pendant light fitting				
HPL 3L	LED system 27 W ¹⁾	3.097 lm	LED pendant light fitting	CCL1609348A
HPL 5L	LED system 50 W ¹⁾	4.929 lm	LED pendant light fitting	CCL1609612A
HPL 7L	LED system 70 W ¹⁾	6.774 lm	LED pendant light fitting	CCL1609942A
HPL 8L	LED system 80 W ¹⁾	7.797 lm	LED pendant light fitting	CCL1610074A
HPL pendant light fitting with self contained battery				
HPL 5L EM1	LED system 55 W ¹⁾	4.929 lm	LED pendant light fitting	CCL1615948AN

Accessories



Type	Content	OU	Order No.
PMB	Pole mounting bracket with fixing screws for use with mounting bracket	1	NOR 000 005 110 836

¹⁾ Scope of delivery, including LED-system and swivel bracket

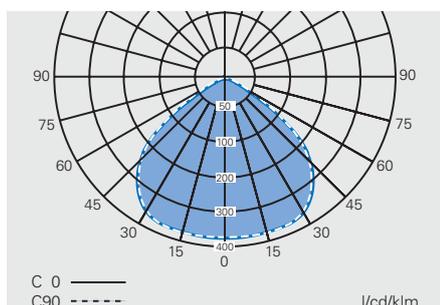
TECHNICAL DATA

	HPL
EC-Type Examination Certificate	EPT 16 ATEX 2405 X
IECEX Certificate of Conformity	IECEX CQM 15.0054X
Certification acc. TR CU 012/2011 EAC ²⁾	RU C-KR.M1062.B.05679 (certified down to -55 °C)
Marking accd. to 2014/34/EU	⊕ II 2 G Ex db eb mb op is IIC T6 Gb ⊕ II 2 D Ex tb op is IIIC T80.C Db
Marking accd. to IECEx	Ex db e mb IIC T6 Ex tb III C T80°C Db IP66
Permissible ambient temperature	-40 °C up to +50/45 °C
Driver lifetime	C10 ~100,000 h at t _a = +25 °C
LED lifetime	L70 ~100,000 h at t _a = +25 °C
Rated voltage	100 - 240 V AC / 108 - 250 V DC
Frequency	0/50 - 60 Hz
Power factor cos φ	≥ 0.9
Circuit	Electronic driver
Protection class	I
Lamp / illuminant	LED System
Rated luminous flux ±10 %	see ordering details
Light colour / CRI	5700 K / R _a >70 (warm white on request)
Dimensions (L x W x H)	250 x 250 x 174 mm Standard version, 250 x 250 x 230 mm Emergency version
Enclosure colour	grey
Enclosure material	Light alloy, powder coated
Weight	5 kg Standard version, 6.5 kg Emergency version
Emergency duration	1.5h (3h on request)
Light output in emergency mode	30% (15% with 3h option)
Battery type	Ni-Cd 3Ah
Cable glands / gland plates / enclosure drilling	Metal thread 2 x M25 with 1 x plastic plug (M20 on request)
Degree of protection accd. to EN 60529	IP66
Protective cover / protective bowl	Toughened clear glass (opaque glass on request)
Swivel bracket	Sheet steel, painted (stainless steel on request)

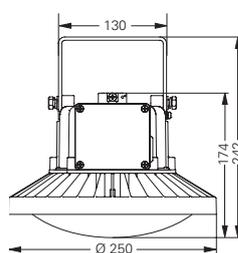
²⁾ Please ask our sales representatives for the special order number

Dimension drawing / Polar curve

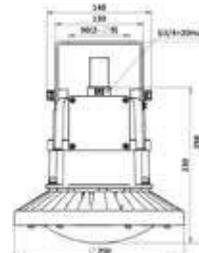
Polar curve HPL



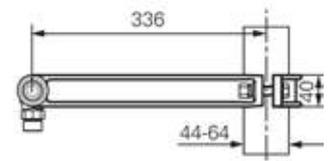
Dimension drawing HPL in mm



Standard version



Emergency version



Pole mounting bracke