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Pendant light fittings

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**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
<b>HPL</b>		
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**



Type	Lamp / illuminant	Light output	Description	Order No.
<b>HPL industrial pendant light fitting</b>				
HPL 3L	LED system 27 W <sup>1)</sup>	3.097 lm	LED pendant light fitting	<b>CCL1609348A</b>
HPL 5L	LED system 50 W <sup>1)</sup>	4.929 lm	LED pendant light fitting	<b>CCL1609612A</b>
HPL 7L	LED system 70 W <sup>1)</sup>	6.774 lm	LED pendant light fitting	<b>CCL1609942A</b>
HPL 8L	LED system 80 W <sup>1)</sup>	7.797 lm	LED pendant light fitting	<b>CCL1610074A</b>

<sup>1)</sup> Scope of delivery, including LED-system and swivel bracket

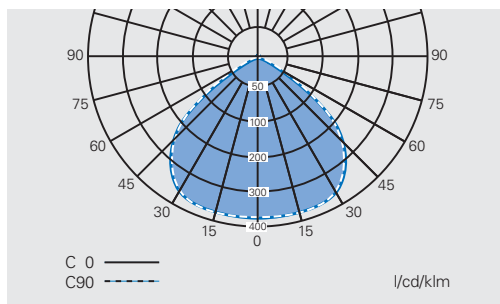
**Technical data**

<b>HPL</b>	
EC-Type Examination Certificate	EPT 16 ATEX 2405 X
IECEX Certificate of Conformity	IECEX CQM 15.0054X
Certification acc. TR CU 012/2011 EAC <sup>2)</sup>	RU C-KR.M1062.B.05679
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 <sub>a</sub> = +25 °C
LED lifetime	L70 ~100,000 h at t <sub>a</sub> = +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 <sub>a</sub> >70 (warm white on request)
Dimensions (L x W x H)	250 x 250 x 174 mm
Enclosure colour	grey
Enclosure material	Light alloy, powder coated
Weight	5 kg
Cable glands / gland plates / enclosure drilling	Metal threat 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)

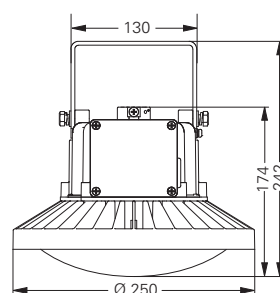
<sup>2)</sup> Please ask our sales representatives for the special order number

**Dimension drawing / Polar curve**

**Polar curve HPL**



**Dimension drawing HPL**







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