

# HPL pendant LED lighting-hazardous area

## Product introduction

HPL Zone 1 LED series adopt international high-quality LED light source. With the traits of long service life and high lumen efficiency, HPL provides customers with ideal lighting solutions for various applications.

Compared with traditional HID lamps, HPL outstands for its characteristics of strong reliability and durability. providing continuous effective illumination with high-performance LED chips and LED driver. The advanced Crouse-Hinds LED technology effectively reduces energy costs, making the fixture more efficient and environmental-friendly, which greatly extends maintenance-free time.

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.

The Zone 2 HPL product is also available to cater for customer's specific application environment as an ideal option.



## Product features

### • High efficient & Energy saving

- Up to 66% energy-saving comparing to HID Luminaire.

Model	Nominal lumens	Wattage	Equivalent HID Luminaire	Energy Savings
HPL-3L	Approx.3000	Approx.30W	70W-100W	Up to 58%
HPL-5L	Approx.5000	Approx.40W	100W-150W	Up to 66%
HPL-8L	Approx.8000	Approx.65W	150W-175W	Up to 60%

### • Industry-best safety reliability

- Extremely low profile & light weight
- Copper free aluminum housing, tempered and impact resistant glass globe, heat & corrosion proof
- IP66 protection
- 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
- TC(Dust) Dust temp. <math>T\_{80C}</math>

- Permissible temp. range:

-40°C ~ +40°C/45°C/50°C(normal)  
-20°C ~ +45°C(EM)

- Cool white 5700K & warm white 3000K are available

### Anti shock and vibration

- Mercury-free & lead free, environment protection

- Instant ON/OFF

- Standard product provides pendant mount, optional U shape yoke mount provide the greatest mounting flexibility: wall mounting, ceiling mounting, pole mounting and etc.

- Rated life of 5 years at 55°C provides long term, low-maintenance operation.

## Ordering information

Product type	Lumen Output <sup>1)</sup>	Color Temp.	System Watt @220V	Input Voltage	Entries	Ambient Ta	Order logic reference
HPL-3L-1M-S886-T3-1P-B6	3561	5700K	30W		2 x M20	-40°C ~+50°C	-1M=M20 -F=Foggy Glass
HPL-5L-1M-S886-T3-1P-B6	4923	5700K	40W		2 x M20	-40°C ~+50°C	-2M=M25 -1P=Two entries,1 plastic
HPL-8L-1M-S886-T3-1P-B6	8135	5700K	65W		2 x M20	-40°C ~+45°C	-S886=two entries plug,1 opening
HPL-5L-D1-B6	4923	5700K	40W	100~240V	2 x M20	-40°C ~+50°C	-T2=MK 6/3 -B6=With both 316SST bracket
HPL-8L-D1-B6	8135	5700K	65W	AC 50/60Hz,	2 x M20	-40°C ~+45°C	terminal mount, also available for G3/4
HPL-5L-1M-S886-T3-1P-B6-EM1	5536	5700K	50W	108~250V DC	2 x M20	-20°C ~+45°C	-T3=MK 6/6 terminal Pendant mount
HPL-3L-W-1M-S886-T3-1P-B6	3138	3000k	30W		2 x M20	-40°C ~+50°C	
HPL-5L-W-1M-S886-T3-1P-B6	5003	3000k	50W		2 x M20	-40°C ~+50°C	
HPL-7L-W-1M-S886-T3-1P-B6	6923	3000k	65W		2 x M20	-40°C ~+45°C	

<sup>1)</sup> Tolerance +/- 10%

<sup>2)</sup> Standard version without cable gland. if need, please order separately

<sup>3)</sup> Contact your local sales representative for special requirements.

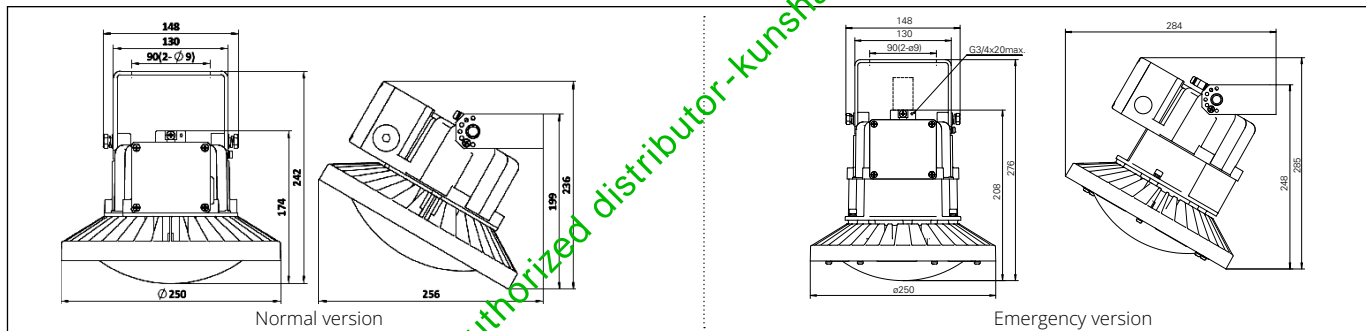
<sup>4)</sup> Emergency type can do with Zone 2 type specifically and contact sales representative for it.

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## Technical data

<b>EC-Type Examination Certificate</b>	EPT 16 ATEX 2405X
<b>IECEX-Certification of Conformity</b>	IECEX NEP 20.0022X
<b>GB Certificate</b>	GYB20.1753X
<b>Marking accd.to 94/9/EC</b>	⊕ II 2 G Ex db eb mb IIC T6 Gb ⊕ II 2 D Ex tb op is IIIC T80°C Db
<b>Marking accd. to IECEx</b>	Ex db e mb IIC T6 Gb Ex tb IIIC T80°C Db IP66
<b>Marking accd. to GB</b>	Ex d e mb IIC T6 Gb Ex tD A21 IP66 T80°C
<b>Power consumption</b>	Refer to order information table
<b>Rated voltage</b>	AC 100V - 240V 50/60Hz; DC 108-250V
<b>THD</b>	<15%
<b>Power factor</b>	≥ 0.9
<b>Cable entry</b>	M20 as standard, M25 is available. 1 Ex e entry plugged
<b>Terminal</b>	Max 6 pole 6 mm <sup>2</sup> , L, N, PE; solid: 0.5mm <sup>2</sup> -6mm <sup>2</sup> ; flexible: 0.5mm <sup>2</sup> -4mm <sup>2</sup>
<b>Permissible ambient temperature</b>	-40°C~+40°C/45°C/50°C (Normal); -20°C~+45°C (EM)
<b>Degree of protection</b>	IP66
<b>Insulation class</b>	I
<b>Dimension</b>	∅250 x 174 (mm)
<b>Net weight</b>	<5kg, <6.5kg (EM)
<b>Emergency lumen output</b>	EM1=1.5H, 30% output(only for 5L)

## Dimension



## Polar curve

