

HLL LED metallic linear light fitting for harsh & hazardous areas



HLL-2-3L / HLL-4-5L linear metallic light fittings

(Zone 1, 2, 21 and 22)



A robust solution for lighting applications in hazardous areas

Eaton's Crouse-Hinds series HLL linear LED light fitting is constructed with an aluminium housing and high-impact resistant polycarbonate cover, providing extreme durability and reliability in Zone 1, 2, 21 and 22 hazardous areas.

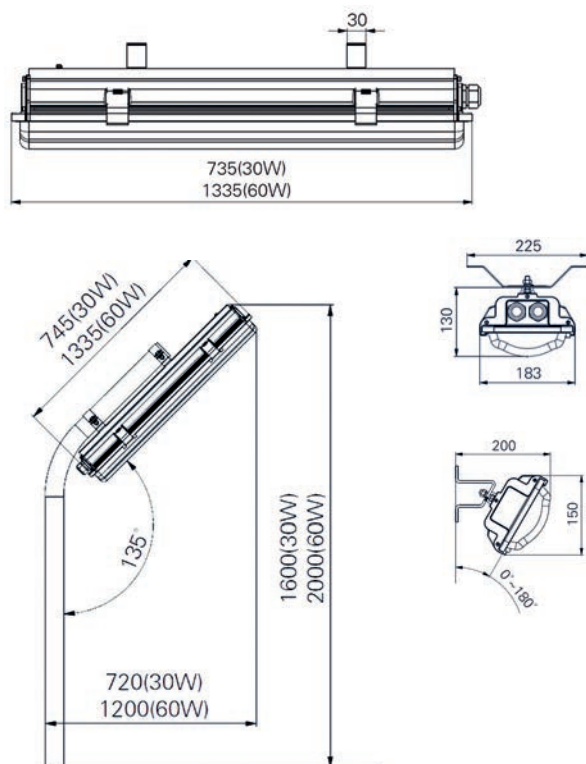
The use of high-quality LED chips, coupled with our extensive experience in thermal management of electrical components in hazardous areas, ensures long service life of the HLL series. The extended temperature range of -40 °C to +55 °C allows these luminaires to be used in a wide range of ambient conditions where an explosive atmosphere is to be expected.

With its long service life, low maintenance requirements and low energy consumption, the HLL provides superior performance with a competitive payback versus traditional fluorescent fixtures.

Primary Applications

Designed for use in outdoor and indoor hazardous areas where moisture or corrosion may be a problem, such as offshore oil platforms, pharmaceutical and chemical plants, oil refineries and industrial locations.

Dimensions



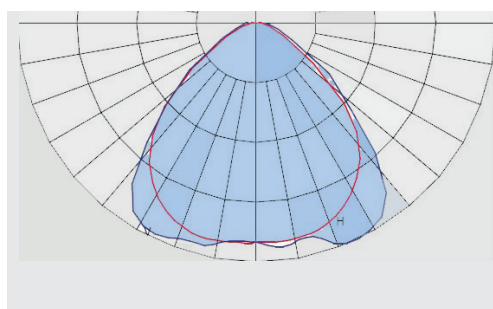
Dimensions in mm

Design Features

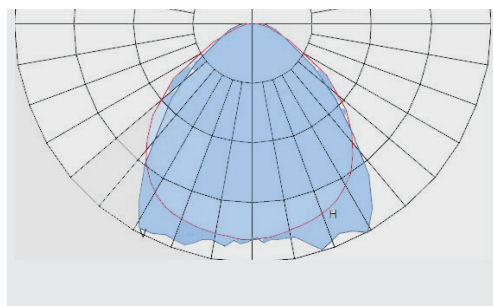
- Polycarbonate, 4J impact resistant lens
- Copper free aluminum housing for excellent corrosion resistance and heat transfer properties
- IP66 rating
- Suitable for Zone 1, 2, 21 and 22 hazardous areas
- Highest temperature class T6
- Ex-e technology for easy maintenance
- Operating ambient temperature: -40°C up to +55°C

Polar curve

HLL-2



HLL-4



Technical data/Ordering details

HLL linear LED



Certifications and compliances	HLL-2-3L-D	HLL-4-5L-D
EC-Type Examination Certificate	CM 17ATEX3305X	CM 17ATEX3305X
IECEX Certificate of Conformity	IECEX CQM 16.0030X	IECEX CQM 16.0030X
Cert. acc. TR CU 012/2011 EAC ¹⁾	KZ.7500361.22.01.03210	KZ.7500361.22.01.03210
Marking accd. to 2014/34/EU	⊕ II 2 G Ex d e ib IIC T6 Gb ⊕ II 2 D Ex tb IIIC T80 °C Db IP66	⊕ II 2 G Ex d e ib IIC T6 Gb ⊕ II 2 D Ex tb IIIC T80 °C Db IP66
Marking accd. to IECEx	Ex d e ib IIC T6 Gb Ex tb IIIC T80 °C Db	Ex d e ib IIC T6 Gb Ex tb IIIC T80 °C Db
Permissible ambient temperature	-40 °C up to +55 °C	-40 °C up to +55 °C
Degree of protection accd. to EN 60529	IP66	IP66

LED System

Life expectancy LED module	L70 = 110,000 h at ta=25°C	L70 = 110,000 h at ta=25°C
CRI	> 70	> 70
Rated luminous flux of the luminaire (typical, ± 10 %)	2800 lm	5700 lm
Illuminance at measurement plane	comparable with luminaires for fluorescent lamps	comparable with luminaires for fluorescent lamps
Power consumption	2 x 14 W	2 x 28 W
Light colour	5700 K	5700 K

Electrical Ratings

Rated voltage	100 V - 240 V AC 108 V - 250 V DC	100 V - 240 V AC 108 V - 250 V DC
Frequency	50 - 60 Hz	50 - 60 Hz
Power factor cos φ	≥ 0.9	≥ 0.9
Circuit	EVG	EVG
Connecting terminals	L1, L2, L3, L, N, PE; max. 2 x 6 mm ² per terminal	L1, L2, L3, L, N, PE; max. 2 x 6 mm ² per terminal

Fixture specifications

Dimensions (L x W x H)	735 x 183 x 130 mm	1335 x 183 x 130 mm
Weight	5 kg	10 kg
Enclosure material	Copper-free Aluminium	Copper-free Aluminium
Enclosure colour	Natural Aluminium / grey	Natural Aluminium / grey
Lens material	Polycarbonate	Polycarbonate
Cable glands / gland plates / enclosure drilling	M25 x 1.5 thread ²⁾	M25 x 1.5 thread ²⁾

¹⁾ Please ask our sales representatives for the special order number

²⁾ With dustcover if entry/thread is not closed

Ordering details

Type	Through wiring		Cable gland/thread	Order No.
	single ended	twin ended		
HLL				
HLL-2-3L-D-1/6-225	X		2 x M25	CCL1622403A
HLL-2-3L-D-2/6-225		X	2-2 x M25	CCL1622419A
HLL-4-5L-D-1/6-225	X		2 x M25	CCL1622787A
HLL-4-5L-D-2/6-225		X	2-2 x M25	CCL1622803A

Mounting accessories see Main catalogue Part 1 Capt. 2.16



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