

CROUSE-HINDS SERIES

Explosion protected linear light fittings



KLL1 LED

Ex-Linear Light Fitting Series in LED Technique for Zone 1, 2, 21 and 22



EATON

Powering Business Worldwide

KLL1 Ex-Linear light fitting

Linear light fitting in LED technique

The efficient LED solution for your explosion protected lighting concept

the linear light fitting series KLL1 LED combines the latest light technology with the requirements of a harsh and hazardous environment. The explosion protected luminaires are approved for gas-Ex and dust-Ex areas according to the ATEX directive 2014/34/EU. They are proven and designed according to the latest standards for use in gas-Ex-areas Zone 1 & 2 (explosion group IIC) and dust-Ex-areas Zone 21 & 22.

With their high efficiency of up to 136 LM/W this lighting series enables high energy savings. High luminous flux of up to 8810 lm and the high colour rendering Ra typically 80 enables the use of this luminaires according to the workplace di-

rective in nearly every production sites.

Optionally as V-CG-S version, this light fitting can be connected to a CEAG emergency lighting system.

Optionally these light fittings can be dimmed. by DALI interface.

Easy to install

The external mounting system enables a quick and save mounting of this robust light fitting.



Features

- High efficient & energy saving LED technology up to 136 lm/W
- Robust design for reliable use under harsh and aggressive ambient conditions
- High luminous flux up to 8810 lm
- High colour rendering Ra typically 80
- Dimmable by DALI interface (optional)
- Connection to a CEAG emergency lighting system (V-CG-S) (optional)
- High degree of protection IP 66

Ordering details

Type/version	Power	Luminous flux	Efficiency	weight	Through-wiring	gland/thread	Screw plug	Blanking plug	Order No.
KLL1 LED (Zone 1, 2, 21, 22)									
KLL1 5L 1/5 M25K	34 W	4,520 lm	133 lm/W	6.1 Kg	single sided	3 x M25 Plastic	1	1	1 5001 500 101
KLL1 5L 2/5 M25K	34 W	4,520 lm	133 lm/W	6.1 Kg	double sided	3 x M25 Plastic	1	1	1 5001 500 103
KLL1 5L 1/5 M20M	34 W	4,520 lm	133 lm/W	6.1 Kg	single sided	3 x M20 Metal	1	1	1 5001 500 109
KLL1 5L 2/5 M20M	34 W	4,520 lm	133 lm/W	6.1 Kg	double sided	3 x M20 Metal	1	1	1 5001 500 111
KLL1 6L 1/5 M25K	47 W	5,920 lm	126 lm/W	6.1 Kg	single sided	3 x M25 Plastic	1	1	1 5001 600 101
KLL1 6L 2/5 M25K	47 W	5,920 lm	126 lm/W	6.1 Kg	double sided	3 x M25 Plastic	1	1	1 5001 600 103
KLL1 6L 1/5 M20M	47 W	5,920 lm	126 lm/W	6.1 Kg	single sided	3 x M20 Metal	1	1	1 5001 600 109
KLL1 6L 2/5 M20M	47 W	5,920 lm	126 lm/W	6.1 Kg	double sided	3 x M20 Metal	1	1	1 5001 600 111
KLL1 9L 1/5 M25K	65 W	8,810 lm	136 lm/W	6.4 Kg	single sided	3 x M25 Plastic	1	1	1 5001 900 101
KLL1 9L 2/5 M25K	65 W	8,810 lm	136 lm/W	6.4 Kg	double sided	3 x M25 Plastic	1	1	1 5001 900 103
KLL1 9L 1/5 M20M	65 W	8,810 lm	136 lm/W	6.4 Kg	single sided	3 x M20 Metal	1	1	1 5001 900 109
KLL1 9L 2/5 M20M	65 W	8,810 lm	136 lm/W	6.4 Kg	double sided	3 x M20 Metal	1	1	1 5001 900 111



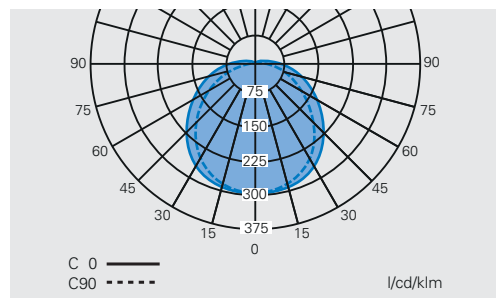


Technical data

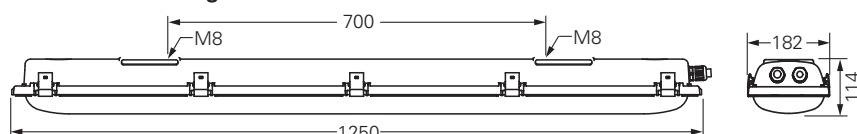
KLL1 LED (Zone 1, 2, 21, 22)

EC-Type Examination Certificate	IBExU 16 ATEX 1147 (expected in summer 2016)
Marking accd. to 94/9/EC	Ⓢ II 2 G Ex eb mb op is q IIC T4 Gb Ⓢ II 2 D Ex tb op is IIC T80 °C Db
Permissible ambient temperature	-30 °C up to +55 °C (9L: +50 °C) - see operating instruction
Life expectancy LEDs	L80/B10 >50.000 h @ max. temp.
Rated voltage	220 - 240 V AC / DC
Rated current	see ordering details
Frequency	0/50 - 60 Hz
Power factor cos φ	≥ 0.90
Circuit	electronic ballast
Protection class	I
Lamp / Illuminant	LED
Colour rendering index Ra	>80
Light colour	6500 K
Rated luminous flux	see ordering details
Dimensions (L x W x H)	1250 x 182 x 114 mm
Connecting terminals	5 x L, N, PE cage-clamp terminals, max. 4 mm ² single wire per terminal
Enclosure colour	Light grey
Enclosure material	glass-fibre reinforced polyester
Weight	see ordering details
Cable glands / gland plates / enclosure drilling	Ex-e gable glands 3 x M 25 x 1.5 (plastic) (2 cable glands, 1 plugged.; 1 screw plug) or 3 x M20 metal reducing ring
Degree of protection acc. to EN 60529	IP66
Protective cover / protective bowl	Polycarbonate, opaque

Polar curve KLL1



Dimension drawing KLL1



Dimensions in mm



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