

Ex-Linear light fittings for fluorescent lamps

eLLK 92 18 W – 36 W / eLLM 92 18 W – 36 W
(Zone 1, 2, 21, 22)

The classic lighting solution in hazardous areas

The eLLK 92 linear luminaire series for fluorescent lamps combines the latest lighting technology with the requirements of a harsh and hazardous environment. This luminaire series is available in various sizes as a ceiling mounted light fitting (eLLK) and as a pole-mounted light fitting (eLLM).

Long-term safety

The luminaires of this robust lighting series with plastic enclosures are equipped with a highly-efficient electronic ballast that features a reliable EOL circuit. Thus, the lamps are checked for proper operation and shut down safely in the event of a malfunction at the end of their service life. In addition, the dual-channel structure of the electronic ballasts enables the safe operation of the second lamp if one lamp fails.

Versatile

The wide input voltage range and major international approvals enable the worldwide use of this successful luminaire series.

Simple and cost-effective installation

In conjunction with the generously dimensioned terminal compartment, the standard, single-ended through-wiring allows a cost-effective installation. The double-sided locking facility with 10, 20 or 24 latch points allows the protective bowl to be hinged on both sides meaning that the fitting can be mounted on either side.

Just in case: the emergency lighting version

Safety is always our top priority. This is why we also supply the eLLK 92 light fitting series with a built-in V-CG-S module. These luminaires with individual monitoring can be connected to a CEAG emergency lighting supply system.

Another option for operation with central battery emergency lighting systems (ZB) is the DCA version without individual monitoring. In the emergency mode, one lamp is turned off (AC / DC monitoring), thus reducing the required battery power.

The NE variants (Section 2.4) are also available for use as emergency light fittings with a self-contained battery unit.

Ready for LED-use

Our new version "LED-Ready" is equipped with all wiring for use of the LED-module.



Features

- Retrofitting of existing eLLK/M 92 018/18 or eLLK/M 92036/36 linear luminaires (latest version) is possible
- Standard dual channel ballast with EOL monitoring
- Can be used with LED module
- Double-sided central locking facility
- Safety interlocking system due to an integrated forced isolating switch
- Safety standard IP66
- Connection to CEAG emergency light monitoring systems possible (V-CG-S/DCA)

Ordering details

Type	Version	Terminals	Through-wiring single-ended	Through-wiring twin-ended	Cable gland/ thread	Threaded plug	Blank- ing plug	Order No.
eLLK 92018/18								
eLLK 92018/18 (2 x 18 W)	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	1 2265 875 101
eLLK 92018/18 (2 x 18 W)	2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25		1 2265 875 103
eLLK 92018/18 (2 x 18 W)	1/6-M ¹⁾	1 x 6	x	—	2 x M20, metal thread	1 x M20		1 2265 875 109
eLLK 92018/18 (2 x 18 W)	2/6-M ¹⁾	2 x 6	—	x	4 x M20, metal thread	2 x M20		1 2265 875 111
eLLK 92018/18 P2 (2 x 18 W) ²⁾	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	1 2265 875 126
eLLK 92018/18 (2 x 18 W)	1/6-M ¹⁾	1 x 6	x	—	2 x M25, metal thread	2 x M25		1 2265 875 609
eLLK 92018/18 (2 x 18 W)	2/6-M ¹⁾	2 x 6	—	x	4 x M25, metal thread	4 x M25		1 2265 875 611
eLLK 92036								
eLLK 92036 (1 x 36 W)	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	1 2263 875 101
eLLK 92036 (1 x 36 W)	2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25		1 2263 875 103
eLLK 92036 (1 x 36 W)	1/6-M	1 x 6	x	—	2 x M20, metal thread	1 x M20		1 2263 875 109
eLLK 92036 (1 x 36 W)	2/6-M	2 x 6	x	—	4 x M20, metal thread	2 x M20		1 2263 875 111
eLLK 92036 P3 (1 x 36 W) ²⁾	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	1 2263 875 125
eLLK 92036 (1 x 36 W)	1/6-M	1 x 6	x	—	2 x M25, metal thread	2 x M25		1 2263 875 609
eLLK 92036 (1 x 36 W)	2/6-M	2 x 6	x	—	4 x M25, metal thread	2 x M25		1 2263 875 611
eLLK 92036/36								
eLLK 92036/36 (2 x 36 W)	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	1 2266 875 101
eLLK 92036/36 (2 x 36 W)	2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25		1 2266 875 103
eLLK 92036/36 (2 x 36 W)	1/6-M	1 x 6	x	—	2 x M20, metal thread	1 x M20		1 2266 875 109
eLLK 92036/36 (2 x 36 W)	2/6-M	2 x 6	—	x	4 x M20, metal thread	2 x M20		1 2266 875 111
eLLK 92036/36 (2 x 36 W)	1/6-M	1 x 6	x	—	2 x M25, metal thread	2 x M25		1 2266 875 609
eLLK 92036/36 (2 x 36 W)	2/6-M	2 x 6	—	x	4 x M25, metal thread	4 x M25		1 2266 875 611
eLLM 920... ³⁾								
eLLM 92018/18 (2 x 18 W)	1/3-K	1 x 3	—	—	1 x M25, plastic	-		1 2268 875 101
eLLM 92036/36 (2 x 36 W)	1/3-K	1 x 3	—	—	1 x M25, plastic	-		1 2269 875 101
eLLM 92036/36 (2 x 36 W)	2/6-K	2 x 6	x	—	2 x M25, plastic	1 x M25		1 2269 875 103

Scope of delivery without lamp and fixing accessories

Metal cable glands see catalogue part 2: 2.3.12 ff

¹⁾ with metal thread, without cable gland

²⁾ Level gauge P2/P3

³⁾ Pole mounted light fitting

Ordering details

Type	Content	Terminals	Through-wiring single-ended	Through-wiring twin-ended	Cable gland/ thread	Threaded plug	Blank- ing plug	Order No.
eLLK 92018/18 V-CG-S/DCA								
eLLK 92018/18 V-CG-S (2 x 18 W) ²⁾ 2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25			1 2265 881 103
eLLK 92018/18 V-CG-S (2 x 18 W) ²⁾ 2/6-M	2 x 6	—	x	4 x M20, metal thread	2 x M20			1 2265 881 211
eLLK 92018/18 DCA (2 x 18 W) ³⁾ 2/6-K	2 x 6	—	x	3 x M25, plastic	1 x M25	2		1 2265 908 000
eLLK 92036/36 V-CG-S/DCA								
eLLK 92036/36 V-CG-S (2 x 36 W) ²⁾ 2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25			1 2266 881 103
eLLK 92036/36 V-CG-S (2 x 36 W) ²⁾ 2/6-M	2 x 6	—	x	4 x M20, metal thread	2 x M20			1 2266 881 211
eLLK 92036/36 DCA (2 x 36 W) ³⁾ 2/6-K	2 x 6	—	x	3 x M25, plastic	1 x M25	2		1 2266 908 000
eLLK 92018/18 LED Ready								
eLLK 92018/18 (2 x 18 W)	1/6-K	1 x 6	x	—	2 x M25, plastic		1	1 2265 601 101
eLLK 92018/18 (2 x 18 W)	2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25		1 2265 601 103
eLLK 92018/18 (2 x 18 W)	1/6-M ¹⁾	1 x 6	x	—	2 x M20, metal thread	1 x M20		1 2265 601 109
eLLK 92018/18 (2 x 18 W)	2/6-M ¹⁾	2 x 6	—	x	4 x M20, metal thread	2 x M20		1 2265 601 111
eLLK 92036/36 LED Ready								
eLLK 92036/36 (2 x 36 W)	1/6-K	1 x 6	x	—	2 x M25, plastic		1	1 2266 601 101
eLLK 92036/36 (2 x 36 W)	2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25		1 2266 601 103
eLLK 92036/36 (2 x 36 W)	1/6-M	1 x 6	x	—	2 x M20, metal thread	1 x M20		1 2266 601 109
eLLK 92036/36 (2 x 36 W)	2/6-M	2 x 6	—	x	4 x M20, metal thread	2 x M20		1 2266 601 111
eLLM 920... ³⁾ LED Ready								
eLLM 92018/18 (2 x 18 W)	1/3-K	1 x 3	—	—	1 x M25, plastic			1 2268 601 101
eLLM 92036/36 (2 x 36 W)	1/3-K	1 x 3	—	—	1 x M25, plastic			1 2269 601 101

Scope of delivery without lamp and fixing accessories

Metal cable glands see catalogue part 2: 2.3.12 ff

1) with metal thread, without cable gland

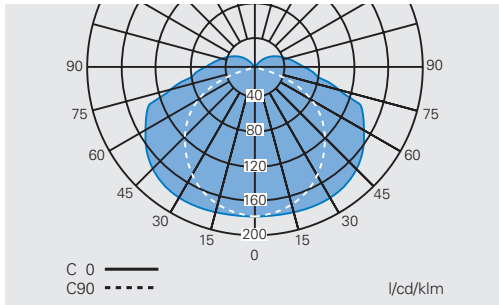
2) for operation with CEAG-emergency supply system

3) for operation with CB-emergency supply systems

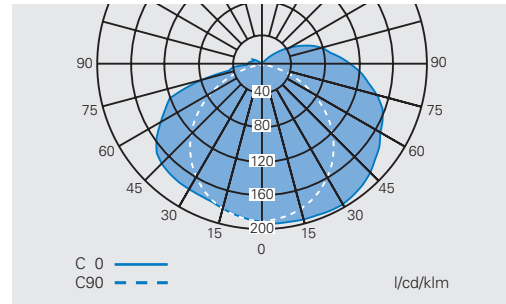
Accessories

Type	Application	Order No. for 4000 K	Order No. for 5700 K
LED module 400	for eLLK 92 018/18 incl. conversion kit	CCL1635129	CCL1635127
LED module 800	for eLLK 92 036/36 incl. conversion kit	CCL1635130	CCL1635128
LED module 400	for eLLK 92 018/18 LED Ready	CCL1634699	CCL1634697
LED module 800	for eLLK 92 036/36 LED Ready	CCL1634700	CCL1634698
Single sided through wiring 2/6 with 2 entries M25, incl. terminals and mounting material	eLLM 92 Pole mounting light fitting		2 2218 602 000
Protective bowl with green filter for eye wash safety shower facilities	eLLK 92 LED 400 A		2 2215 402 018

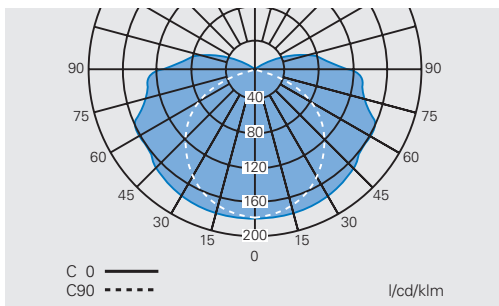
**Polar curve eLLK 92018/18 /
eLLK 92036/36**



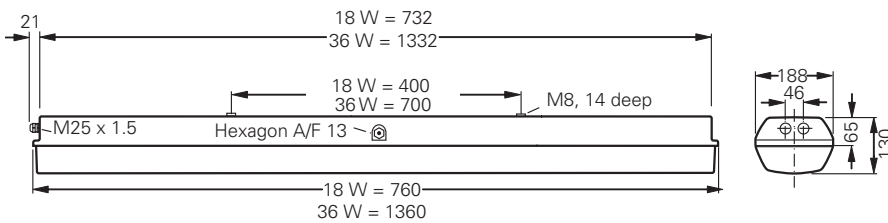
**Polar curve eLLK92018/18 V-CG-S /DCA
eLLK92036/36 V-CG-S /DCA**



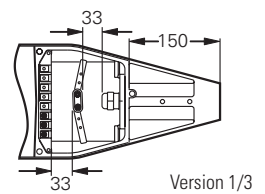
Polar curve eLLK 92036



eLLK 92018/18 / eLLK 92036 / eLLK 92036/36

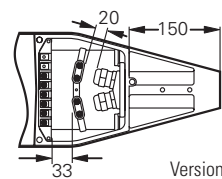
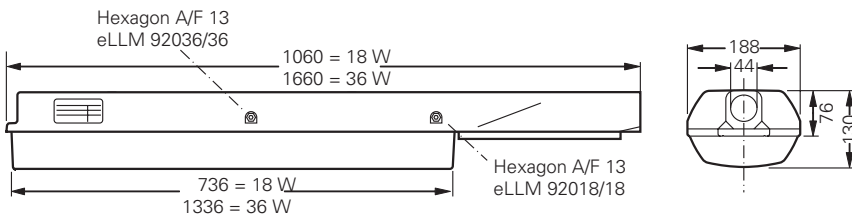


eLLM 92...



Version 1/3

eLLM 92018/18 / eLLM 92036/36



Version 2/6



Technical data

	eLLK 92018/18 (2 x 18 W)	eLLK 92036 (1 x 36 W) / eLLK 92036/36 (2 x 36 W)
EC-Type Examination Certificate	BVS 09 ATEX E 034	BVS 09 ATEX E 034
IECEx Certificate of Conformity	IECEx BVS 09.0033	IECEx BVS 09.0033
Marking accd. to 2014/34/EU	II 2G Ex db eb IIC T4 Gb II 2 D Ex tb IIIC T80 °C Db	II 2G Ex db eb IIC T4 Gb II 2 D Ex tb IIIC T80 °C Db
Marking accd. to IECEx	Ex de IIC T4 Gb Ex tb IIIC T80 °C Db	Ex de IIC T4 Gb Ex tb IIIC T80 °C Db
Permissible ambient temperature	-25 °C up to +55 °C ($U_N \geq 220$ V) -25 °C up to +50 °C ($U_N \leq 220$ V)	-25 °C up to +55 °C ($U_N \geq 220$ V) -25 °C up to +50 °C ($U_N \leq 220$ V)
IK-class according to IEC/EN 62262	IK 10 Δ 20 J	IK 10 Δ 20 J
Rated voltage	110 - 254 V AC 110 - 250 V DC	110 - 254 V AC 110 - 250 V DC
Rated current	0.18 A	0.18 A / 0.34 A
Frequency	50 - 60 Hz	50 - 60 Hz
Power factor cos φ	≥ 0.95	≥ 0.95
Circuit	EVG	EVG
Protection class	I	I
Lamp / Illuminant	2 x T26 / 18 W (T8)	1 x T26 / 36 W (T8) / 2 x T26 / 36 W (T8)
Rated luminous flux	2700 lm ¹⁾	3350 lm ¹⁾ / 6700 lm ¹⁾
Lamp cap	G13 accd. to IEC 60061-1	G13 accd. to IEC 60061-1
Light output ratio	78 %	86 % / 78 %
Dimensions (L x W x H)	760 x 188 x 130 mm	1360 x 188 x 130 mm
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
Enclosure colour	RAL 7035 light grey	RAL 7035 light grey
Enclosure material	glass-fibre reinforced polyester	glass-fibre reinforced polyester
Weight	5.2 kg	6.7 kg / 7.4 kg
Cable glands / gland plates / enclosure drilling	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread ²⁾	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread ²⁾
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	Polycarbonate	Polycarbonate

¹⁾ depends on used lamps²⁾ with dustcover if entry/thread is not closed



Technical data

	eLLM 92018/18 (2 x 18 W)	eLLM 92036/36 (2 x 36 W)
EC-Type Examination Certificate	BVS 09 ATEX E 034	BVS 09 ATEX E 034
IECEx Certificate of Conformity	IECEx BVS 09.0033	IECEx BVS 09.0033
Marking accd. to 2014/34/EU	II 2G Ex db eb IIC T4 Gb II 2 D Ex tb IIIC T80 °C Db	II 2G Ex db eb IIC T4 Gb II 2 D Ex tb IIIC T80 °C Db
Marking accd. to IECEx	Ex de IIC T4 Gb Ex tb IIIC T80 °C Db	Ex de IIC T4 Gb Ex tb IIIC T80 °C Db
Permissible ambient temperature	-25 °C up to +55 °C ($U_N \geq 220$ V) -25 °C up to +50 °C ($U_N \leq 220$ V)	-25 °C up to +55 °C ($U_N \geq 220$ V) -25 °C up to +50 °C ($U_N \leq 220$ V)
IK-class according to IEC/EN 62262	IK 10 Δ 20 J	IK 10 Δ 20 J
Rated voltage	110 - 254 V AC 110 - 250 V DC	110 - 254 V AC 110 - 250 V DC
Rated current	0.18 A	0.18 A / 0.34 A
Frequency	50 - 60 Hz	50 - 60 Hz
Power factor cos φ	≥ 0.95	≥ 0.95
Circuit	EVG	EVG
Protection class	I	I
Lamp / Illuminant	2 x T26 / 18 W (T8)	2 x T26 / 36 W (T8)
Rated luminous flux	2700 lm ¹⁾	6700 lm ¹⁾
Lamp cap	G13 accd. to IEC 60061-1	G13 accd. to IEC 60061-1
Light output ratio	78 %	86 % / 78 %
Dimensions (L x W x H)	1060 x 188 x 130 mm	1660 x 188 x 130 mm
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
Enclosure colour	RAL 7035 light grey	RAL 7035 light grey
Enclosure material	glass-fibre reinforced polyester	glass-fibre reinforced polyester
Weight	7.0 kg	9.0 kg
Cable glands / gland plates / enclosure drilling	Ex-e cable glands M25 x 1.5 (plastic)	Ex-e cable glands M25 x 1.5 (plastic)
Pole socket	Ø 44 mm x150 mm	Ø 44 mm x150 mm
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	Polycarbonate	Polycarbonate

¹⁾ depends on used lamps

²⁾ with dustcover if entry/thread is not closed



Technical data

	eLLK 92018/18 V-CG-S / DCA	eLLK 92036/36 V-CG-S / DCA
EC-Type Examination Certificate	BVS 09 ATEX E 034	BVS 09 ATEX E 034
IECEX Certificate of Conformity	IECEX BVS 09.0033	IECEX BVS 09.0033
Marking accd. to 2014/34/EU	Ⓢ II 2G Ex db eb mb ib IIC T4 Gb Ⓢ II 2 D Ex tb IIIC T80 °C Db	Ⓢ II 2G Ex db eb mb ib IIC T4 Gb Ⓢ II 2 D Ex tb IIIC T80 °C Db
Marking accd. to IECEx	Ex de mb IIC T4 Gb Ex tb IIIC T80 °C Db	Ex de mb IIC T4 Gb Ex tb IIIC T80 °C Db
Permissible ambient temperature	-25 °C up to +50 °C / -25 °C up to +55 °C (DCA)	-25 °C up to +50 °C / -25 °C up to +55 °C (DCA)
IK-class according to IEC/EN 62262	IK 10 Δ 20 J	IK 10 Δ 20 J
Rated voltage	220 - 254 V AC 195 - 250 V DC	220 - 254 V AC 195 - 250 V DC
Rated current	0.19 A	0.35 A
Frequency	50 - 60 Hz	50 - 60 Hz
Power factor cos φ	≥ 0.95	≥ 0.95
Circuit	EVG/CG-S / DCA	EVG/CG-S / DCA
Protection class	I	I
Lamp / Illuminant	2 x T26 / 18 W (T8)	2 x T26 / 36 W (T8)
Rated luminous flux	2700 lm ¹⁾	6700 lm ¹⁾
Lamp cap	G13 accd. to IEC 60061-1	G13 accd. to IEC 60061-1
Light output ratio	78%	78%
Luminous flux in emergency operation	1350 lm ¹⁾	3350 lm ¹⁾
Dimensions (L x W x H)	760 x 188 x 130 mm	1360 x 188 x 130 mm
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
Enclosure colour	RAL 7035 light grey	RAL 7035 light grey
Enclosure material	glass-fibre reinforced polyester	glass-fibre reinforced polyester
Weight	5.6 kg	7.7 kg
Cable glands / gland plates / enclosure drilling	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread ²⁾	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread ²⁾
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	Polycarbonate	Polycarbonate

¹⁾ depends on used lamps²⁾ with dustcover if entry/thread is not closed



Powering Business Worldwide

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