

# 2.3

## Ex-Linear light fittings for fluorescent lamps

eLLK 92 18 W – 58 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. Those luminaires can

### International certification

Special versions according to the NEC standards are available for the use on the American market. CSA certification for the types of luminaires eLLK 92 2217 (2 x 17 W) and eLLK 92 4232 (2 x 32 W) allows their use there.







Other country-specific approvals, such as for Brazil or the new Eurasian Conformity (EAC) for placing them on the market in Russia, Belarus and Kazakhstan, are available.

### 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 CEAG 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)
- Special version to NEC standards (CSA)



## Ordering details

Type	Version	Terminals	Through-wiring single-ended	Through-wiring twin-ended	Cable gland/thread	Threaded plug	Blanking plug	Order No.	
<b>eLLK 92018/18</b>									
	eLLK 92018/18 (2 x 18 W)	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	<b>1 2265 875 101</b>
	eLLK 92018/18 (2 x 18 W)	2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25		<b>1 2265 875 103</b>
	eLLK 92018/18 (2 x 18 W)	1/6-M <sup>1)</sup>	1 x 6	x	—	2 x M20, metal thread	1 x M20		<b>1 2265 875 109</b>
	eLLK 92018/18 (2 x 18 W)	2/6-M <sup>1)</sup>	2 x 6	—	x	4 x M20, metal thread	2 x M20		<b>1 2265 875 111</b>
	eLLK 92018/18 P2 (2 x 18 W) <sup>2)</sup>	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	<b>1 2265 875 126</b>
	eLLK 92018/18 (2 x 18 W)	1/6-M <sup>1)</sup>	1 x 6	x	—	2 x M25, metal thread	2 x M25		<b>1 2265 875 609</b>
	eLLK 92018/18 (2 x 18 W)	2/6-M <sup>1)</sup>	2 x 6	—	x	4 x M25, metal thread	4 x M25		<b>1 2265 875 611</b>
<b>eLLK 92036</b>									
	eLLK 92036 (1 x 36 W)	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	<b>1 2263 875 101</b>
	eLLK 92036 (1 x 36 W)	2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25		<b>1 2263 875 103</b>
	eLLK 92036 (1 x 36 W)	1/6-M	1 x 6	x	—	2 x M20, metal thread	1 x M20		<b>1 2263 875 109</b>
	eLLK 92036 (1 x 36 W)	2/6-M	2 x 6	x	—	4 x M20, metal thread	2 x M20		<b>1 2263 875 111</b>
	eLLK 92036 P3 (1 x 36 W) <sup>2)</sup>	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	<b>1 2263 875 125</b>
	eLLK 92036 (1 x 36 W)	1/6-M	1 x 6	x	—	2 x M25, metal thread	2 x M25		<b>1 2263 875 609</b>
	eLLK 92036 (1 x 36 W)	2/6-M	2 x 6	x	—	4 x M25, metal thread	2 x M25		<b>1 2263 875 611</b>
<b>eLLK 92036/36</b>									
	eLLK 92036/36 (2 x 36 W)	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	<b>1 2266 875 101</b>
	eLLK 92036/36 (2 x 36 W)	2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25		<b>1 2266 875 103</b>
	eLLK 92036/36 (2 x 36 W)	1/6-M	1 x 6	x	—	2 x M20, metal thread	1 x M20		<b>1 2266 875 109</b>
	eLLK 92036/36 (2 x 36 W)	2/6-M	2 x 6	—	x	4 x M20, metal thread	2 x M20		<b>1 2266 875 111</b>
	eLLK 92036/36 (2 x 36 W)	1/6-M	1 x 6	x	—	2 x M25, metal thread	2 x M25		<b>1 2266 875 609</b>
	eLLK 92036/36 (2 x 36 W)	2/6-M	2 x 6	—	x	4 x M25, metal thread	4 x M25		<b>1 2266 875 611</b>
<b>eLLM 920...<sup>3)</sup></b>									
	eLLM 92018/18 (2 x 18 W)	1/3-K	1 x 3	—	—	1 x M25, plastic	-		<b>1 2268 875 101</b>
	eLLM 92036/36 (2 x 36 W)	1/3-K	1 x 3	—	—	1 x M25, plastic	-		<b>1 2269 875 101</b>
	eLLM 92036/36 (2 x 36 W)	2/6-K	2 x 6	x	—	2 x M25, plastic	1 x M25		<b>1 2269 875 103</b>
<b>eLLK 92058</b>									
	eLLK 92058 (1 x 58 W)	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	<b>1 2264 875 101</b>
	eLLK 92058 (1 x 58 W)	2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25		<b>1 2264 875 103</b>
	eLLK 92058 (1 x 58 W)	1/6-M	1 x 6	x	—	2 x M20, metal thread	1 x M20		<b>1 2264 875 109</b>
	eLLK 92058 (1 x 58 W)	2/6-M	2 x 6	—	x	4 x M20, metal thread	2 x M20		<b>1 2264 875 111</b>
	eLLK 92058 (1 x 58 W)	2/6-M	2 x 6	—	x	4 x M25, metal thread	2 x M25		<b>1 2264 875 611</b>
<b>eLLK 92058/58</b>									
	eLLK 92058/58 (2 x 58 W)	1/6-K	1 x 6	x	—	2 x M25, plastic	-	1	<b>1 2267 875 101</b>
	eLLK 92058/58 (2 x 58 W)	2/6-K	2 x 6	—	x	2 x M25, plastic	2 x M25		<b>1 2267 875 103</b>
	eLLK 92058/58 (2 x 58 W)	1/6-M	1 x 6	x	—	2 x M20, metal thread	1 x M20		<b>1 2267 875 109</b>
	eLLK 92058/58 (2 x 58 W)	2/6-M	2 x 6	—	x	4 x M20, metal thread	2 x M20		<b>1 2267 875 111</b>
	eLLK 92058/58 (2 x 58 W)	1/6-M	1 x 6	x	—	2 x M25, metal thread	2 x M25		<b>1 2267 875 609</b>
	eLLK 92058/58 (2 x 58 W)	2/6-M	2 x 6	—	x	4 x M25, metal thread	4 x M25		<b>1 2267 875 611</b>

Scope of delivery without lamp and fixing accessories

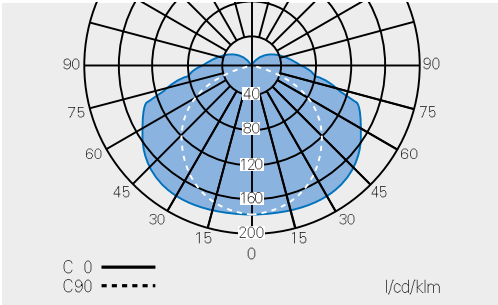
Metal cable glands see catalogue part 2: 2.3.12 ff

<sup>1)</sup> with metal thread, without cable gland

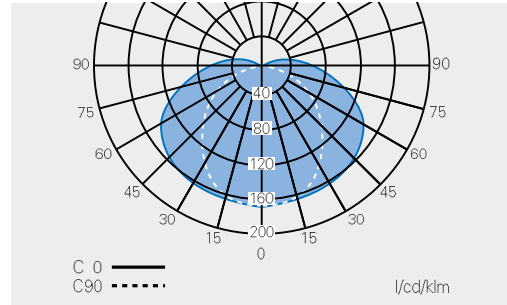
<sup>2)</sup> Level gauge P2/P3

<sup>3)</sup> Pole mounted light fitting

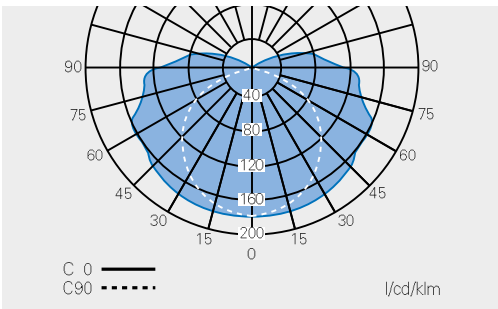
**Polar curve eLLK 92018/18 /  
eLLK 92036/36**



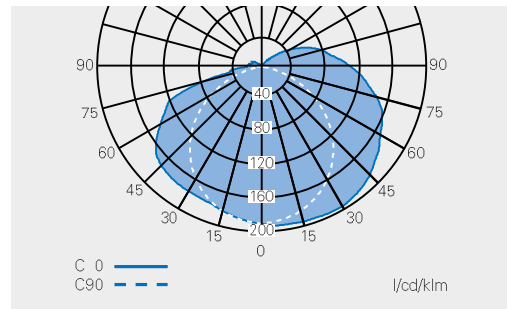
**Polar curve eLLK 92058/58**



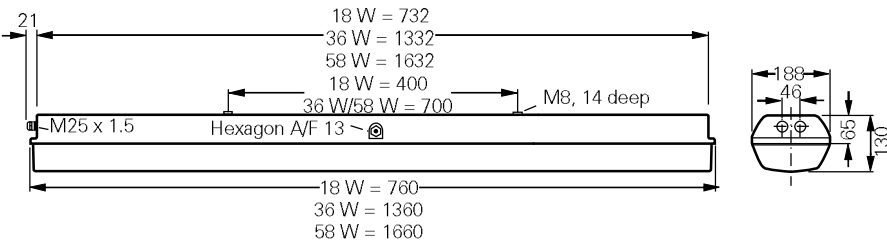
**Polar curve eLLK 92036 /  
eLLK 92058**



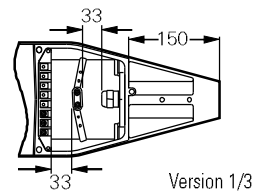
**Polar curve eLLK92018/18 V-CG-S /DCA  
eLLK92036/36 V-CG-S /DCA  
eLLK92058/58 V-CG-S**



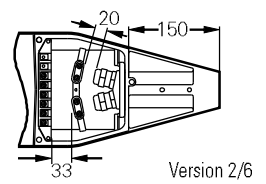
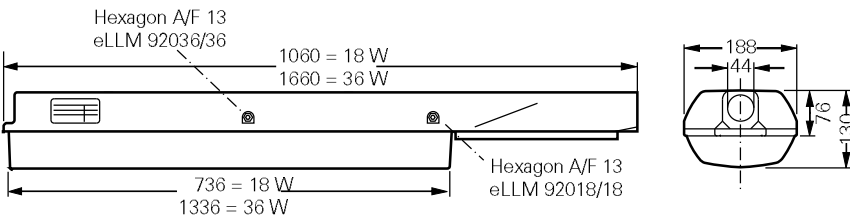
**eLLK 92018/18 / eLLK 92036 / eLLK 92036/36 / eLLK 92058 / eLLK 92058/58**



**eLLM 92...**



**eLLM 92018/18 / eLLM 92036/36**



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## Technical data

eLLK 92018/18 (2 x 18 W) / eLLK 92036 (1 x 36 W)



### 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 <sub>N</sub> ≥ 220 V) -25 °C up to +50 °C (U <sub>N</sub> ≤ 220 V)	-25 °C up to +55 °C (U <sub>N</sub> ≥ 220 V) -25 °C up to +50 °C (U <sub>N</sub> ≤ 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 <sup>1)</sup>	3350 lm <sup>1)</sup> / 6700 lm <sup>1)</sup>
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 <sup>2</sup> per terminal	L1, L2, L3, L, N, PE; max. 2 x 6 mm <sup>2</sup> 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 <sup>2)</sup>	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread <sup>2)</sup>
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	Polycarbonate	Polycarbonate

<sup>1)</sup> depends on used lamps

<sup>2)</sup> 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 <sub>N</sub> ≥ 220 V) -25 °C up to +50 °C (U <sub>N</sub> ≤ 220 V)	-25 °C up to +55 °C (U <sub>N</sub> ≥ 220 V) -25 °C up to +50 °C (U <sub>N</sub> ≤ 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 <sup>1)</sup>	6700 lm <sup>1)</sup>
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 <sup>2</sup> per terminal	L1, L2, L3, L, N, PE; max. 2 x 6 mm <sup>2</sup> 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 x 150 mm	Ø 44 mm x 150 mm
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	Polycarbonate	Polycarbonate

<sup>1)</sup> depends on used lamps<sup>2)</sup> with dustcover if entry/thread is not closed