

# Fully Monitored Explosion Protected Fluorescent Light Fitting eLLK 92018/18 CG-S eLLK 92036/36 CG-S eLLK 92058/58 CG-S

## Technical data

### eLLK 92018/18, eLLK 92036/36, eLLK 92058/58 mit CG-S

Marking to 94/9/EC	Ex II 2 G / Ex II 2 D T80 °C
Type of protection	EEx edm ib IIC T4
EC-Type Examination Certificate	PTB 96 ATEX 2144
Enclosure material	Glass-fibre reinforced polyester
Protective bowl	Polycarbonate
Rated voltage	AC: 220-254 V ± 10 %, 47-63 Hz DC: 196-250 V ± 10 %
Circuit	EVG + CG-S
Rated current	0.19 A (eLLK 92018/18) 0.35 A (eLLK 92036/36) 0.54 A (eLLK 92058/58)
Power factor cos φ	B 0.95
Degree of protection EN 60529	IP 66
Protection class	I
Permissible ambient temperature	- 20 °C to + 50 °C (eLLK 92018/18 and eLLK 92036/36) - 20 °C to + 40 °C (eLLK 92058/58)
Cable entries	EEx e-cable entries M25 x 1.5 (plastic) for cables from Ø 8 - 17 mm
Connecting terminals	L1, L2, L3, L, N, PE; max. 2 x 6 mm <sup>2</sup> single wire per terminal
Lamps	Bi-pin lamp: 18 W, 36 W, 58 W socket G13, see accessories
Weight	approx. 5.0 kg (eLLK 92018/18) approx. 8.0 kg (eLLK 92036/36) approx. 9.3 kg (eLLK 92058/58)



eLLK 92018/18 (2 x 18 W) CG-S



eLLK 92036/36 (2 x 36 W) CG-S



eLLK 92058/58 (2 x 58 W) CG-S

## Ordering details

Type	Lamps	Circuitry	Rated current AC	Rated- <sup>1)</sup> current DC	Cos φ	Order No.
eLLK 92018/18 CG-S 2/6-2	2 x 18 W	EVG/CG-S	0.19 A	0.1 A	0.95	1 2265 881 103
eLLK 92036/36 CG-S 2/6-2	2 x 36 W	EVG/CG-S	0.35 A	0.17 A	0.95	1 2266 881 103
eLLK 92058/58 CG-S 2/6-2	2 x 58 W	EVG/CG-S	0.54 A	0.27 A	0.95	1 2267 881 103

### 2/6-2 Double-sided loop wiring

2 cable entries M25 x 1.5 with dust screen  
2 Ex-blind plugs M25 x 1.5

<sup>1)</sup> Only 1 lamp active during battery operation

Delivery without lamp and fastening

## Permissible No. of luminaires each output circuit

Connection with

	eLLK 92018/18 CG-S 2/6-2	eLLK 92036/36 CG-S 2/6-2	eLLK 92058/58 CG-S 2/6-2
SKU 4x1A/4x1A CG	5	3	2
SKU 2x3A, 2x3A CG	12	9	6
SKU 2x3A CG-S	16	9	6
SKU 1x6A.1, 1x6A.1 CG	18	17	11
SKU 1x6A.1 CG-S	20	17	11

# Fully Monitored Explosion Protected Fluorescent Light Fitting eLLK 92018/18 CG-S eLLK 92036/36 CG-S eLLK 92058/58 CG-S

## Lighting engineering

### Engineering help for eLLK 92018/18 CG-S for E = 1.25 lx (0.625 lx)

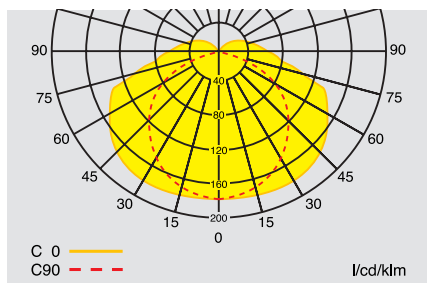
Mounting height (m)	Types of mounting	Mounting distances (m)			
		L1	L2	L3	L4
4.0	Ceiling mounting	5.7 (7.0)	14.0 (16.8)	7.3 ( 9.6)	19.0 (23.8)
5.0	Escape route centre	6.1 (7.7)	15.4 (18.6)	7.7 (10.2)	20.2 (26.0)
6.0		6.4 (8.2)	16.4 (20.2)	8.0 (10.5)	21.0 (27.6)
7.0		6.5 (8.6)	17.2 (21.6)	8.1 (10.9)	21.6 (28.6)
8.0		6.4 (8.9)	17.8 (22.8)	8.0 (11.2)	22.2 (29.2)
10.0		5.9 (9.2)	18.2 (24.4)	7.2 (11.4)	22.4 (30.8)
2.0	Wall mounting	3.9 (4.7)	9.4 (11.0)	5.0 ( 6.5)	13.0 (16.4)
2.5		4.2 (5.1)	10.0 (12.0)	5.2 ( 6.9)	13.6 (17.6)
3.0		4.4 (5.4)	10.8 (12.8)	5.4 ( 7.2)	14.2 (18.4)
4.0	Ceiling mounting	5.4 (5.4)	13.4 (16.6)	5.5 ( 8.5)	17.6 (21.6)
5.0	Area illumination	4.4 (5.4)	14.4 (18.2)	7.5 ( 9.5)	19.2 (23.8)
6.0		5.4 (7.4)	15.6 (19.4)	6.5 ( 7.5)	19.6 (25.8)
7.0		5.4 (6.4)	16.4 (21.0)	6.5 ( 9.5)	20.4 (26.4)
8.0		4.4 (7.4)	17.4 (21.8)	7.5 ( 8.5)	20.8 (27.4)
10.0		4.5 (7.4)	18.2 (24.0)	5.4 ( 8.5)	22.0 (28.2)

### Engineering help for eLLK 92036/36 CG-S for E = 1.25 lx (0.625 lx)

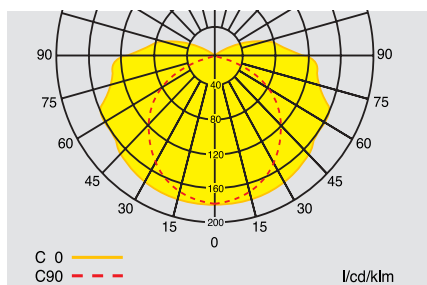
Mounting height (m)	Types of mounting	Mounting distances (m)			
		L1	L2	L3	L4
5.0	Ceiling mounting	8.4 (10.1)	20.2 (24.0)	11.3 (14.1)	28.0 (34.4)
6.0	Escape route centre	9.0 (11.0)	22.0 (26.4)	11.8 (15.1)	30.0 (37.2)
7.0		9.5 (11.8)	23.6 (28.6)	12.1 (15.9)	31.6 (39.6)
8.0		9.9 (12.5)	24.8 (30.4)	12.5 (16.5)	32.6 (41.6)
10.0		10.3 (13.5)	27.0 (33.6)	12.9 (17.2)	34.2 (45.0)
12.0		10.4 (14.2)	28.4 (36.0)	12.9 (17.9)	35.4 (46.8)
2.0	Wall mounting	5.1 ( 6.1)	12.2 (14.4)	7.0 ( 8.9)	17.8 (22.2)
2.5		5.5 ( 6.6)	13.2 (15.6)	7.5 ( 9.5)	18.8 (23.8)
3.0		5.8 ( 7.0)	14.0 (16.8)	7.8 (10.0)	19.8 (25.0)
5.0	Ceiling mounting	7.4 ( 8.4)	19.8 (24.6)	8.5 (11.5)	25.2 (30.2)
6.0	Area illumination	7.4 ( 9.4)	20.8 (26.2)	9.5 (11.5)	28.0 (33.4)
7.0		8.4 ( 9.4)	22.6 (28.4)	8.5 (12.5)	29.2 (35.2)
8.0		7.4 ( 9.4)	23.6 (29.6)	10.5 (13.5)	30.6 (37.8)
10.0		8.4 (10.4)	25.6 (31.8)	9.5 (13.5)	31.8 (42.0)
12.0		8.4 (10.0)	27.2 (33.8)	9.5 (14.5)	33.4 (44.0)

### Engineering help for eLLK 92058/58 CG-S for E = 1.25 lx (0.625 lx)

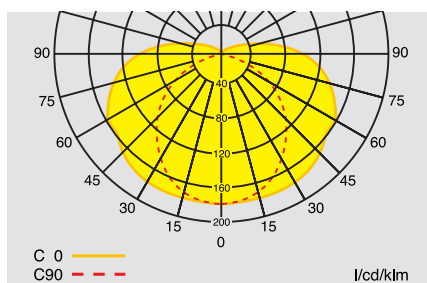
Mounting height (m)	Types of mounting	Mounting distances (m)			
		L1	L2	L3	L4
5.0	Ceiling mounting	9.5 (11.4)	22.8 (26.8)	13.1 (16.1)	32.0 (39.2)
6.0	Escape route centre	10.3 (12.5)	24.8 (29.6)	14.0 (17.4)	34.6 (42.4)
7.0		11.0 (13.4)	26.8 (32.2)	14.6 (18.5)	36.8 (45.4)
8.0		11.6 (14.3)	28.4 (34.4)	14.9 (19.4)	38.6 (48.0)
10.0		12.4 (15.6)	31.2 (38.2)	15.7 (20.6)	41.0 (52.4)
12.0		12.9 (16.7)	33.4 (41.4)	16.1 (21.4)	42.4 (55.8)
14.0		13.1 (17.5)	35.0 (44.0)	16.2 (22.1)	44.0 (57.8)
2.0	Wall mounting	5.7 ( 6.8)	13.6 (16.0)	8.2 (10.4)	20.6 (25.8)
2.5		6.2 ( 7.4)	14.6 (17.6)	8.8 (11.1)	22.0 (27.6)
3.0		6.6 ( 7.9)	15.8 (19.0)	9.2 (11.7)	23.2 (29.2)
5.0	Ceiling mounting	8.4 ( 9.4)	22.4 (26.8)	9.5 (13.5)	29.0 (35.8)
6.0	Area illumination	9.4 (11.4)	24.6 (29.8)	9.5 (12.5)	31.0 (38.0)
7.0		9.4 (10.4)	25.4 (32.2)	10.5 (15.5)	34.2 (40.4)
8.0		9.4 (10.4)	27.4 (34.0)	11.5 (16.5)	35.4 (43.0)
10.0		9.4 (12.4)	29.8 (37.4)	12.5 (15.5)	38.2 (47.2)
12.0		10.4 (14.4)	31.6 (39.2)	11.5 (14.5)	39.6 (52.2)
14.0		10.4 (14.4)	33.2 (41.6)	11.5 (15.5)	41.4 (54.6)



Polar curve eLLK 92018/18 CG-S



Polar curve eLLK 92036/36 CG-S



Polar curve eLLK 92058/58 CG-S