

# Linear fluorescent luminaire CG-S

Explosion protected safety luminaire



IP66

EN 1838



## Linear fluorescent luminaire CG-S

- Completely monitored explosion-protected light fittings
- Single lamp operation during DC power supply (emergency operation)
- Enclosure made of reinforced polyester
- Double ended through-wiring with Ex-e cable infeeds for double-ended cable connection
- Shortened inspection effort due to CEWA GUARD technology
- Automatic function monitoring of up to 20 luminaires per circuit
- Reduced installation expenditure with STAR technology
- Freely programmable mixed operation of the switching modes per luminaire in one circuit

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



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



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



Marking acc. to 94/9/EG	II 2G Ex de mb IICT4 Gb II 2D Ex tb IIIC T80 °C Db IP66
EU-type inspection certificate	BVS 09 ATEX E 034
IECEX-inspection certificate	IECEX BVS 09.0033
Marking acc. to IECEx	Ex de mb IICT4 Gb Ex tb IIIC T80 °C Db
Housing material	glass-fibre reinforced polyester
Protective bowl	Polycarbonate
Rated voltage	AC: 220-254 V 50/60 Hz DC: 195-250 V
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	≥ 0.95
Permissible ambient temperature	-25 °C to + 55 °C (eLLK 92018/18 and eLLK 92036/36) -25 °C to + 40 °C (eLLK 92058/58)
Cable infeeds	Ex e-cable infeeds M25 x 1.5 (Plastic) for cables Ø 8-17 mm
Connection terminals	L1, L2, L3, L, N, PE; max. 2 x 6 mm <sup>2</sup> single wire per terminal
Light source	Bi-pin lamp: 18 W, 36 W, 58 W Socket G13
Weight	approx. 5.6 kg (eLLK 92018/18) approx. 7.7 kg (eLLK 92036/36) approx. 9.6 kg (eLLK 92058/58)

## Ordering details

Type	Light source	Circuit	open-circuit operation AC	open-circuit operation <sup>1)</sup> 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	12265881103
eLLK 92036/36 CG-S 2/6-2	2 x 36 W	EVG/CG-S	0.35 A	0.17 A	0.95	12266881103
eLLK 92058/58 CG-S 2/6-2	2 x 58 W	EVG/CG-S	0.54 A	0.27 A	0.95	12267881103

2/6-2 double-sided through-wiring  
2 cable infeeds M25 x 1.5 with dust screen  
2 Ex-blind plugs M25 x 1.5

<sup>1)</sup> Only 1 light source active during DC-operation  
Delivery without light source and mounting accessories

## Permissible number of luminaires per 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 4 x 1 A/4 x 1 A CG	5	3	2
SKU 2 x 3 A, 2 x 3 A CG	12	9	6
SKU 2 x 3 A CG-S	16	9	6
SKU 1 x 6 A.1, 1 x 6 A.1 CG	18	17	11
SKU 1 x 6 A.1 CG-S	20	17	11

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## Ordering details fixing materials eLLK 92

Type/ code	Corrosion protection	Qty. per light fitting	Order No.
Eye bolt A2	galvanized	2	22480002000
Hexagon screw S4	stainless steel	2	22480054000
Ceiling mounting bracket D92 incl. screws and washer	stainless steel	2	22480092000

## Ordering details fixing materials

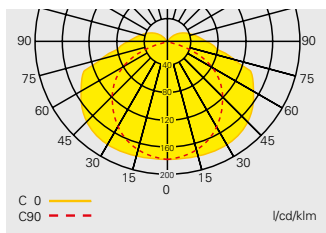
Type/ code	Corrosion protection	for pipes DIN	Outer Ø D (mm)	Qty. per light fitting	Order No.
Pipe clamp R12	hot galvanized	1 1/4"	38- 42	2	22480462000
Pipe clamp R14	CrNi	1 1/4"	38- 42	2	22480464000
Pipe clamp R22	hot galvanized	1 1/2"	47- 51	2	22480472000
Pipe clamp R24	CrNi	1 1/2"	47- 51	2	22480474000
Pipe clamp R32	hot galvanized	2"	56- 60	2	22480482000
Pipe clamp R34	CrNi	2"	56- 60	2	22480484000
Wall bracket W27	hot galvanized		42.4	1	22480027000
Luminaire wall suspension 30° incl. screws and washer	hot galvanized			2	2248000122

# Linear fluorescent luminaire CG-S

Explosion protected safety luminaire

## Planning help for eLLK 92018/18 CG-S for E = 1.0 lx (0.5 lx)

Measuring level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

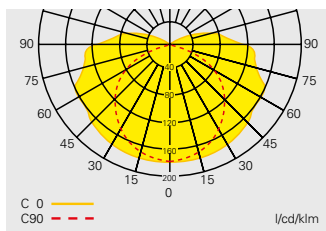


Light distribution curve  
eLLK 92018/18 CG-S

Mounting height [m]	Types of mounting	Types of mounting			
		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	Room 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)

## Planning help for eLLK 92036/36 CG-S for E = 1.0 lx (0.5 lx)

Measuring level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

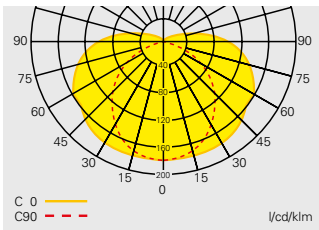


Light distribution curve  
eLLK 92036/36 CG-S

Mounting height [m]	Types of mounting	Types of mounting			
		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	Room 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)

### Planning help for eLLK 92058/58 CG-S for E = 1.0 lx (0.5 lx)

Measuring level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m



Light distribution curve  
eLLK 92058/58 CG-S

Mounting height [m]	Types of mounting	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	Room 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)