

Fully Monitored Explosion Protected Linear Fluorescent Luminaire

EN
1838



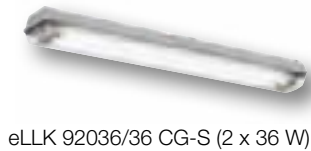
IP66

350°C

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



Marking acc. to 94/9/EG	II 2 G Ex de mb II T4 II 2 D Ex tD A21 IP66 T80 °C
EU-type inspection certificate	BVS 09 ATEX E 034
IECEX-inspection certificate	IECEX BVS 09.0033
Marking acc. to IECEx	Ex de mb IIC T4 Ex tD A21 IP66 T80 °C
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 ² 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 ¹⁾ 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 through-wiring
 2 cable infeeds M25 x 1.5 with dust screen
 2 Ex-blind plugs M25 x 1.5

¹⁾ Only 1 light source active during DC-operation
Delivery without light source and mounting accessories

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Permissible number of luminaires per output circuit

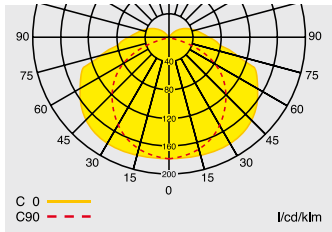
Connection with	eLLK 92018/18 CG-S 2/6-2	eLLK 92036/36 CG-S 2/6-2	eLLK 92058/58 CG-S 2/6-2
SKU 4 x 1 A/4 x 1 A CG	5	3	2
SKU 2 x 3 A, 2 x 3 A CG	12	9	6
SKU 2 x 3 A CG-S	16	9	6
SKU 1 x 6 A.1, 1 x 6 A.1 CG	18	17	11
SKU 1 x 6 A.1 CG-S	20	17	11



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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

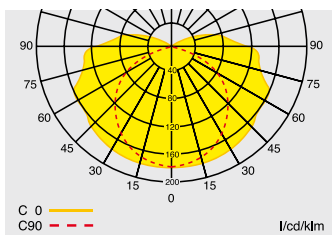


Light distribution curve
eLLK 92018/18 CG-S

Mounting height (m)	Types of mounting	Mounting types			
		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



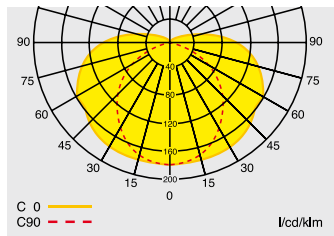
Light distribution curve
eLLK 92036/36 CG-S

Mounting height (m)	Types of mounting	Mounting types			
		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)

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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	Mounting diagrams			
		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)