

# Linear luminaire eLLK

Safety and Exit Sign Luminaires - Explosion protected



## eLLK 92 LED V-CG-S

- Completely monitored explosion-protected LED luminaire
- Life time of LED module L 70 = 110.000 h @ ta=25 °C
- Colour temperature 5700 K as standard and 4000 K available on request
- 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 92 LED 400A V-CG-S (2 x 13 W)



eLLK 92 LED 800A V-CG-S (2 x 26 W)



Marking acc. to 94/9/EG	II 2G Ex de mb II T4 Gb II 2D Ex tb IIIC T80 °C Db IP66
EC-Type Examination Certificate	BVS 09 ATEX E 034
IECEx-inspection certificate	IECEX BVS 09.0033
Marking acc. to IECEx	Ex db eb mb op is IICT4 Gb Ex tb IIIC T80 °C Db
Housing material	Glass fibre reinforced polyester
Protective bowl	Polycarbonate
Rated voltage	AC: 220 – 254 V DC: 195 – 250 V
Circuit	EVG / CG-S
Rated current	0.15 A / 0.08 A (eLLK 92 LED 400A V-CG-S) 0.25 A / 0.13 A (eLLK 92 LED 800A V-CG-S)
Power consumption	29 W (eLLK 92 LED 400A V-CG-S) 57 W (eLLK 92 LED 800A V-CG-S)
Power factor cos φ	≥ 0.95
Permissible ambient temperature	-25 °C up to + 50 °C
Cable infeeds	Ex-e-cable glands M25 x 1.5 (plastic) for cables Ø 8- 17 mm, Option: M20 x 1.5 metal thread*
Connection terminals	L1, L2, L3, L, N, PE; max. 2 x 6 mm <sup>2</sup> per terminal
Light source	LED module 400A - 2 x 13 W LED module 800A- 2 x 26 W
Weight	7.4 kg (eLLK 92 LED 400A V-CG-S) 11.1 kg (eLLK 92 LED 800A V-CG-S)

\*With dust cover for unlocked entering/metal thread

### Ordering details

Type	Colour temperature	Circuit	Luminous flux mains operation	Luminous flux emergency operation*	Order-No.
eLLK 92 LED 400A V-CG-S 2 x M25, plastic gland	5700 K	EVG/CG-S	2700lm	1350lm	12265516103
eLLK 92 LED 400A V-CG-S 4 x M20, metal thread	5700 K	EVG/CG-S	2700lm	1350lm	12265516111
eLLK 92 LED 800A V-CG-S 2 x M25, plastic gland	5700 K	EVG/CG-S	5350lm	2675lm	12266516103
eLLK 92 LED 800A V-CG-S 4 x M20, metal thread	5700 K	EVG/CG-S	5350lm	2675lm	12266516111

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

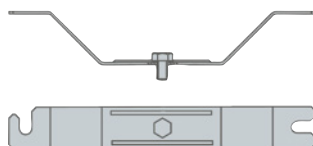
### Permissible number of luminaires per output circuit

Connection with	eLLK 92 LED 400A CG-S	eLLK 92 LED 800A CG-S
SKU 4 x 1 A	6	4
SKU 2 x 3 A, SKU CG 2 x 3 A	12	12
SKU CG-S 2 x 3 A	19	12
SKU 1 x 6 A, SKU CG 1 x 6 A	18	18
SKU CG-S 1 x 6 A	20	20
SKU CG-S 4 x 1.5 A	6	6

### 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

Ceiling mounting bracket

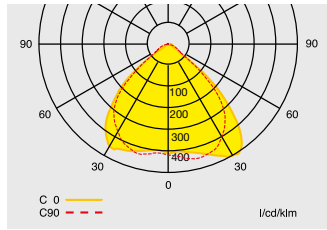


### Ordering details fixing materials

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	22480302700
Luminaire wall suspension 30° incl. screws and washer	hot galvanized			2	22480000122

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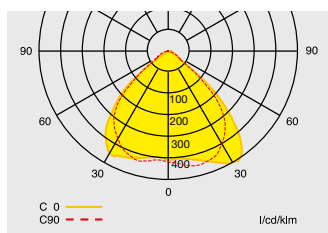


Light distribution curve  
eLLK 92 LED 400A V-CG-S

### Planning help for eLLK 92 LED 400A (5700 K) V-CG-S for E = 1.0 lx (0.5 lx)

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

Mounting height [m]	Types of mounting	Types of mounting			
		L1	L2	L3	L4
2.5	Ceiling mounting	4.4 (5.3)	10.6 (12.8)	4.2 (4.8)	9.6 (11.3)
3.0	Exit route centre	4.8 (5.7)	11.5 (13.9)	4.7 (5.3)	10.6 (12.3)
3.5		5.3 (6.1)	12.3 (14.9)	5.2 (5.9)	11.7 (13.5)
4.0		5.7 (6.6)	13.2 (15.8)	5.7 (6.4)	12.9 (14.5)
4.5		6.2 (7.1)	14.1 (16.7)	6.3 (7.0)	13.9 (15.5)
5.0		6.6 (7.5)	14.9 (17.4)	6.8 (7.4)	14.9 (16.7)
5.5		7.1 (7.8)	15.7 (18.4)	7.3 (7.9)	15.7 (17.9)
6.0		7.5 (8.4)	16.7 (19.3)	7.8 (8.4)	16.9 (18.9)
6.5		7.9 (8.9)	17.7 (20.2)	8.3 (9.0)	18.0 (19.9)
7.0		8.2 (9.3)	18.7 (21.0)	8.7 (9.6)	19.1 (20.9)
7.5		8.6 (9.8)	19.6 (21.8)	9.1 (10.1)	20.2 (21.8)
8.0		8.9 (10.2)	20.4 (22.6)	9.5 (10.6)	21.2 (22.7)
8.5		9.2 (10.6)	21.2 (23.7)	9.9 (11.1)	22.2 (23.9)
9.0		9.4 (11.0)	22.0 (24.7)	10.2 (11.5)	23.1 (25.1)
9.5		9.7 (11.3)	22.7 (25.7)	10.5 (12.0)	24.0 (26.2)
10.0		9.9 (11.7)	23.4 (26.6)	10.7 (12.4)	24.9 (27.3)
10.5		10.0 (12.0)	24.1 (27.5)	11.0 (12.8)	25.7 (28.3)
11.0		10.2 (12.4)	24.7 (28.3)	11.2 (13.2)	26.5 (29.3)
11.5		10.3 (12.7)	25.3 (29.2)	11.4 (13.6)	27.2 (30.3)
12.0		10.3 (12.9)	25.9 (30.0)	11.6 (13.9)	27.9 (31.3)
2.5	Ceiling mounting	3.3 (3.6)	8.7 (10.2)	3.4 (4.1)	8.1 (10.1)
3.0	Room illumination	4.0 (4.2)	9.9 (11.6)	3.4 (4.1)	8.4 (10.5)
3.5		3.9 (4.4)	10.0 (12.2)	4.2 (4.6)	9.8 (11.5)
4.0		4.6 (5.0)	10.9 (13.2)	4.5 (4.8)	10.4 (12.0)
4.5		5.1 (5.4)	11.3 (14.1)	5.2 (5.0)	11.3 (12.6)
5.0		5.6 (6.0)	12.1 (15.2)	5.6 (5.0)	12.0 (13.1)
5.5		5.9 (6.1)	13.0 (15.0)	5.8 (6.1)	13.0 (14.7)
6.0		6.1 (6.7)	13.9 (15.8)	6.0 (6.6)	13.9 (15.3)
6.5		6.4 (7.3)	14.8 (16.5)	6.1 (7.1)	14.7 (15.9)
7.0		6.7 (7.6)	15.6 (17.0)	6.4 (7.7)	15.5 (16.9)
7.5		6.7 (7.9)	15.9 (17.9)	7.1 (7.9)	16.8 (17.9)
8.0		6.8 (8.2)	16.3 (18.8)	7.6 (8.2)	17.9 (18.8)
8.5		7.1 (8.5)	17.1 (19.7)	7.8 (8.3)	18.5 (19.7)
9.0		7.0 (8.8)	17.1 (20.6)	8.5 (8.4)	19.9 (20.5)
9.5		7.3 (8.9)	17.8 (21.3)	8.7 (8.7)	20.5 (21.5)
10.0		7.8 (9.2)	19.0 (22.0)	8.6 (9.1)	20.7 (22.4)
10.5		8.0 (9.6)	19.8 (23.0)	8.7 (9.3)	21.3 (22.9)
11.0		8.6 (9.2)	21.1 (22.6)	8.3 (10.4)	21.3 (24.9)
11.5		8.0 (9.9)	20.7 (23.9)	9.1 (10.3)	23.1 (25.0)
12.0		8.7 (10.2)	22.4 (24.6)	8.3 (10.5)	22.6 (25.7)



Light distribution curve  
eLLK 92 LED 800A V-CG-S

### Planning help for eLLK 92 LED 800A (5700 K) V-CG-S for E = 1.0 lx (0.5 lx)

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

Mounting height [m]	Types of mounting	Types of mounting			
		L1	L2	L3	L4
2.5	Ceiling mounting	5.3 (6.4)	12.8 (15.2)	4.8 (5.7)	11.3 (14.4)
3.0	Exit route centre	5.7 (7.0)	13.9 (16.7)	5.3 (6.2)	12.3 (15.2)
3.5		6.1 (7.5)	14.9 (18.0)	5.9 (6.7)	13.5 (16.0)
4.0		6.6 (7.9)	15.8 (19.2)	6.4 (7.3)	14.5 (16.9)
4.5		7.1 (8.3)	16.7 (20.2)	7.0 (7.7)	15.5 (18.1)
5.0		7.5 (8.7)	17.4 (21.2)	7.4 (8.4)	16.7 (19.2)
5.5		7.8 (9.2)	18.4 (22.1)	7.9 (8.9)	17.9 (20.2)
6.0		8.4 (9.7)	19.3 (23.0)	8.4 (9.5)	18.9 (21.2)
6.5		8.9 (10.1)	20.2 (23.8)	9.0 (10.0)	19.9 (22.3)
7.0		9.3 (10.5)	21.0 (24.6)	9.6 (10.5)	20.9 (23.5)
7.5		9.8 (10.9)	21.8 (25.5)	10.1 (10.9)	21.8 (24.6)
8.0		10.2 (11.3)	22.6 (26.4)	10.6 (11.4)	22.7 (25.8)
8.5		10.6 (11.8)	23.7 (27.4)	11.1 (12.0)	23.9 (26.8)
9.0		11.0 (12.3)	24.7 (28.3)	11.5 (12.5)	25.1 (27.8)
9.5		11.3 (12.8)	25.7 (29.1)	12.0 (13.1)	26.2 (28.8)
10.0		11.7 (13.3)	26.6 (29.9)	12.4 (13.6)	27.3 (29.7)
10.5		12.1 (13.8)	27.6 (30.8)	12.9 (14.2)	28.4 (30.8)
11.0		12.4 (14.2)	28.5 (31.5)	13.3 (14.7)	29.4 (31.7)
11.5		12.7 (14.6)	29.3 (32.5)	13.7 (15.2)	30.4 (32.7)
12.0		13.0 (15.1)	30.1 (33.6)	14.0 (15.7)	31.4 (33.9)
2.5	Ceiling mounting	3.6 (4.0)	10.2 (12.3)	4.1 (4.6)	10.1 (12.7)
3.0	Room illumination	3.9 (4.5)	11.0 (13.5)	4.5 (5.0)	11.0 (13.4)
3.5		4.6 (5.1)	12.4 (14.8)	4.5 (5.3)	11.3 (13.9)
4.0		5.2 (5.3)	13.4 (15.5)	4.7 (5.8)	11.8 (14.9)
4.5		5.7 (5.7)	14.5 (16.4)	4.8 (6.1)	12.2 (15.7)
5.0		5.5 (6.7)	14.3 (18.2)	5.7 (5.8)	13.9 (15.6)
5.5		6.2 (7.1)	15.2 (19.0)	5.9 (6.1)	14.5 (16.3)
6.0		7.0 (7.5)	16.3 (19.8)	6.2 (6.4)	14.8 (16.9)
6.5		7.2 (7.4)	16.2 (20.0)	7.3 (7.1)	16.1 (18.2)
7.0		7.7 (7.9)	17.0 (20.9)	7.7 (7.2)	16.9 (18.9)
7.5		7.9 (8.5)	17.9 (21.6)	7.9 (7.5)	17.9 (19.7)
8.0		8.2 (8.9)	18.8 (21.9)	8.2 (8.4)	18.8 (20.8)
8.5		8.5 (9.2)	19.7 (22.0)	8.3 (9.4)	19.7 (22.0)
9.0		8.8 (9.8)	20.6 (22.7)	8.5 (9.9)	20.5 (22.6)
9.5		8.7 (10.3)	20.9 (23.3)	9.1 (10.4)	21.9 (23.3)
10.0		8.9 (10.6)	21.6 (24.2)	9.4 (10.7)	22.8 (24.2)
10.5		9.4 (11.0)	22.6 (25.2)	9.7 (11.1)	23.5 (25.2)
11.0		9.7 (11.3)	23.3 (26.1)	10.0 (11.3)	24.3 (26.2)
11.5		9.7 (11.6)	23.6 (27.1)	10.6 (11.4)	25.5 (27.0)
12.0		10.1 (11.9)	24.5 (28.0)	10.7 (11.6)	26.0 (27.9)