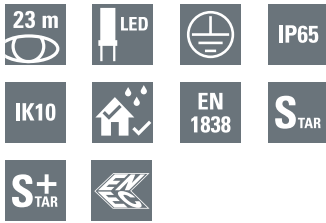


83022.1 LED CG-S

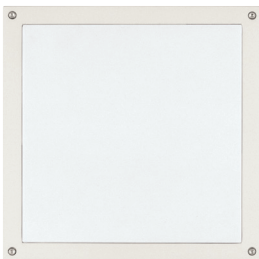
Safety luminaire



83022.1 LED CG-S

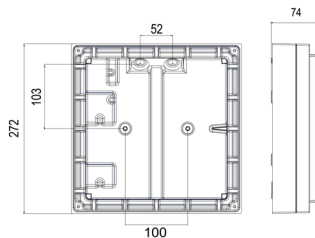
- Square safety and escape route luminaire with LED technology with high protection class (IP65) for indoor and outdoor use
- Robust construction from aluminium diecast with powder coating (UV stabilised)
- High impact resistant diffuser made of UV stabilised polycarbonate
- Two waterproof cable infeeds and double terminal for through-wiring
- An integrated pressure equalization membrane reduces the effects of condensation in changing weather conditions
- Spacing up to 20 m from luminaire to luminaire for escape route and wide area illumination
- Minimum service requirement due to high service life of the LEDs (50,000 hours)
- 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

83022.1 LED CG-S




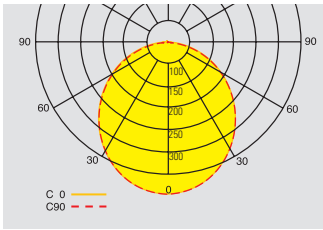
Luminous flux Φ_N	820 lm
Luminous flux Φ_E/Φ_N at the end of rated operating time	100 %
Housing material	Aluminium diecast, PC
Housing colour	White sim. RAL 9010
Weight	2.36 kg
Type of mounting	Wall and ceiling mounting
Terminals	2 x 3 x 2.5 mm ²
Connection voltage	220 - 240 V AC, 50/60 Hz 176 - 275 V DC
Power consumption mains operation (apparent power/effective power)	10.7 VA / 9.3 W
Current consumption- battery operating (220 V)	47 mA
Permissible temperature range	-20 °C up to +40 °C
Light source	LED Array with 42 Lowpower LEDs (4000 K / CRI 80)

Dimensions in mm



Ordering details

Type	Scope of supply	Order No
83022.1 LED CG-S	Square safety and escape route luminaire, including LED Supply and CG-S technology (20 addresses)	40071355750
Pictogram-set for 83022.1 acc. to ISO 7010	arrow left, right, down 	40071351924



Light distribution curve 83022.1 LED CG-S

Engineering help for 83022.1 LED 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	L1	L2	L3	L4
2.5	Ceiling mounting	5.3 (6.4)	12.8 (15.5)	5.3 (6.4)	12.8 (15.5)
3.0	Escape route centre	5.7 (7.0)	13.9 (16.9)	5.7 (7.0)	13.9 (16.9)
3.5		6.0 (7.4)	14.9 (18.1)	6.0 (7.4)	14.9 (18.1)
4.0		6.3 (7.8)	15.7 (19.2)	6.3 (7.8)	15.7 (19.2)
4.5		6.5 (8.2)	16.4 (20.2)	6.5 (8.2)	16.4 (20.2)
5.0		6.7 (8.5)	17.1 (21.1)	6.7 (8.5)	17.1 (21.1)
5.5		6.9 (8.8)	17.6 (22.0)	6.9 (8.8)	17.6 (21.9)
6.0		7.0 (9.1)	18.1 (22.7)	7.0 (9.1)	18.1 (22.7)
6.5		7.1 (9.3)	18.6 (23.4)	7.1 (9.3)	18.6 (23.4)
7.0		7.1 (9.5)	19.0 (24.0)	7.1 (9.5)	19.0 (24.0)
7.5		7.2 (9.7)	19.3 (24.6)	7.2 (9.7)	19.3 (24.6)
8.0		7.2 (9.8)	19.6 (25.2)	7.2 (9.8)	19.6 (25.2)
9.0		7.0 (10.0)	20.0 (26.1)	7.0 (10.0)	20.0 (26.1)
10.0		6.8 (10.1)	20.2 (26.9)	6.8 (10.1)	20.2 (26.9)
11.0		6.4 (10.1)	20.3 (27.5)	6.4 (10.1)	20.2 (27.5)
12.0		5.8 (10.1)	20.1 (28.0)	5.8 (10.1)	20.1 (28.0)
13.0		5.0 (9.9)	19.8 (28.4)	5.0 (9.9)	19.8 (28.3)
14.0		3.8 (9.6)	19.3 (28.6)	3.8 (9.6)	19.3 (28.6)
15.0		1.3 (9.3)	18.6 (28.7)	1.3 (9.3)	18.5 (28.6)
2.2	Wall mounting	4.1	11.6	4.1	11.6
2.5		4.2	11.8	4.2	11.8
3.0		4.4	12.3	4.4	12.3
3.5		4.3	12.8	4.3	12.8
4.0		4.2	13.1	4.2	13.1
2.5	Ceiling mounting	3.9 (4.7)	11.0 (13.2)	3.9 (4.7)	11.0 (13.2)
3.0	Room illumination	4.3 (5.1)	12.0 (14.4)	4.2 (5.1)	11.9 (14.4)
3.5		4.4 (5.4)	12.8 (15.5)	4.4 (5.4)	12.8 (15.5)
4.0		4.6 (5.6)	13.6 (16.5)	4.6 (5.6)	13.6 (16.5)
4.5		4.7 (5.9)	14.3 (17.4)	4.7 (5.9)	14.3 (17.4)
5.0		4.8 (6.1)	14.9 (18.3)	4.9 (6.0)	15.0 (18.2)
5.5		5.0 (6.3)	15.5 (19.1)	5.0 (6.2)	15.5 (19.0)
6.0		5.1 (6.4)	16.1 (19.8)	5.0 (6.3)	16.0 (19.7)
6.5		5.1 (6.5)	16.6 (20.5)	5.0 (6.5)	16.5 (20.4)
7.0		5.1 (6.6)	17.0 (21.1)	5.1 (6.6)	17.0 (21.1)
7.5		5.1 (6.7)	17.4 (21.7)	5.1 (6.7)	17.4 (21.7)
8.0		5.1 (6.8)	17.8 (22.3)	5.1 (6.8)	17.8 (22.2)
9.0		5.1 (7.0)	18.5 (23.3)	5.0 (6.9)	18.4 (23.2)
10.0		4.8 (7.0)	19.0 (24.2)	4.9 (7.0)	19.0 (24.1)
11.0		4.6 (6.9)	19.5 (25.0)	4.5 (6.9)	19.4 (25.0)
12.0		4.2 (6.9)	19.8 (25.7)	4.2 (6.9)	19.8 (25.7)
13.0		3.8 (6.8)	20.0 (26.3)	3.9 (6.8)	20.0 (26.3)
14.0		3.4 (6.6)	20.2 (26.9)	3.3 (6.5)	20.1 (26.8)
15.0		2.6 (6.3)	20.3 (27.4)	2.5 (6.3)	20.2 (27.3)