Safety Luminaire

FlexiTech SU CG-S (Safety Uniform illumination)

EN 60598-2-22 | EN 1838 | DIN 4844 | IP43 | IP66 | IK07 | LED | S Small | L Large | STAR | S+ TAR

FlexiTech SU - Small/Large

IP66 version

Easy and fast installation without cable glands

Same look as the IP43 version

Entries made of a special thermoplastic elastomer with specific compound developed by automotive industry

Cable entries on sides have an innovative design with 2 membranes:

- The outside membrane protects against water jet pressure
- The inner membrane perfectly surrounds the cable for enhanced sealing

FlexiTech SU CG-S

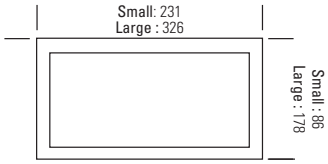
- Safety luminaire with light guide technology for surface or optional recessed mounting
- Innovative precise micro lenses guide light efficiently along the escape route while thanks to the large light output area the glare is significantly reduced, especially suitable in applications like night light
- Universal light distribution equally suitable for escape route and open area lighting for mounting heights up to 7.5 m
- Robust construction IK07 for reliable operation even in difficult environments
- Fast installation and effortless wiring thanks to: cable entries in rubber, large space for cabling, screwless terminal blocks, integrated spirit level and first fixed base plate to snap on the housing without any tool
- Transparent base plate with honeycomb footprint for easy replacement of existing products (IP4x use only)
- Reduced installation expenditures by STAR technology
- Shortened inspection effort due to CEWA GUARD technology
- Automatic function monitoring of up to 20 luminaires per circuit
- Freely programmable mixed operation of the switching modes per luminaire in one circuit
- Minimum service requirement due to high service life of the LEDs
- Complete range of accessories available (recessed kit, recessed box for plaster and brick wall, wire guard)
- Coloured accessories available on demand

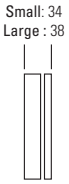
Luminous flux Φ_N	420 lm
Luminous flux Φ_E/Φ_N at the end of rated operating time	100%
Housing material	Polycarbonate
Weight	FT1SU400CGS, FT1SU400CGSIP: 0.31 kg FT3SU400CGS: 0.81 kg
Housing colour	White
Type of mounting	Surface mounting
Connection terminals	3 x 2 x 2.5 mm²
Connection voltage	220 – 240 V AC, 50/60 Hz 176 – 275 V DC
Current consumption - battery operation (220 V)	23 mA
Power consumption mains operation (apparent power / effective power)	9.1 VA / 5.4 W
Inrush current	1.5 A
Permissible ambient temperature	-20°C to +40°C
Light source	LED, 6 500 K, CRI ≥70, Lifespan 100 000h

Ordering details

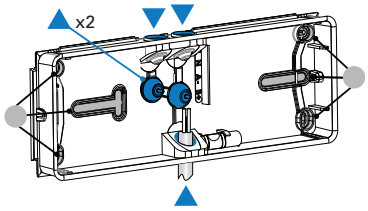
Type	Scope of supply	Order No.
FlexiTech SL1 uniform 420 lm CG-S	FlexiTech, Safety light small, Uniform illumination, 420 lm, CG-S	FT1SU400CGS
FlexiTech SL1 uniform 420 lm CG-S IP	FlexiTech, Safety light small, Uniform illumination, 420 lm, CG-S, IP66	FT1SU400CGSIP
FlexiTech SL3 uniform 420 lm CG-S	FlexiTech, Safety light large, Uniform illumination, 420 lm, CG-S	FT3SU400CGS

Dimensions (mm)

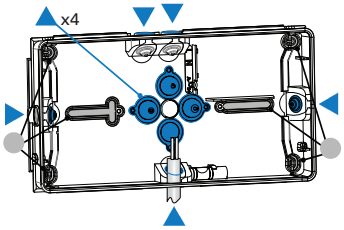




Cable entries for FlexiTech SU Small



Cable entries for FlexiTech SU Large



Cable entries

Fixing points

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Accessories

		Black mat RAL9005	Dark Grey RAL7015	Silver gloss RAL9007	White RAL9003
FT1-RK	Recess Kit for FlexiTech FT1SU	FT1-RK-B	FT1-RK-DG	FT1-RK-S	
FT3-RK	Recess Kit for FlexiTech FT3SU, metal	FT3-RK-B	FT3-RK-DG	FT3-RK-S	
	Metal cover for FlexiTech FT1SU	FT1EWSU-MC-B	FT1EWSU-MC-DG	FT1EWSU-MC-S	FT1EWSU-MC
	Metal cover for FlexiTech FT3SU	FT3EWSU-MC-B	FT3EWSU-MC-DG	FT3EWSU-MC-S	FT3EWSU-MC
FT2-WG	Wire Guard, compatible with FlexiTech FT1SU				
40071348370	Wire Guard, compatible with FlexiTech FT3SU				
FT1-RB	Recess box / plaster & brick for FlexiTech FT1SU				
FT1SU-RP	Renovation Plate for FlexiTech FT1SU				

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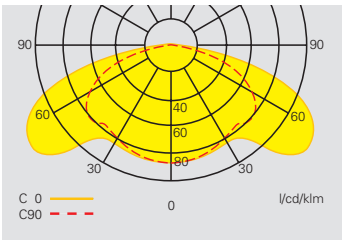

Light distribution curve
FlexiTech SU 400 CG-S Small

Planning help for FT1SU400CGS, for E = 1 lx (0.5 lx)
Measuring level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

Ceiling mounting - Escape route center

Mounting height [m]	Lux level directly under				
2,5	10,2	4,4 (5,5)	11,0 (13,4)	5,4 (6,6)	13,2 (15,9)
3	7,1	4,6 (5,9)	11,8 (14,5)	5,7 (7,1)	14,3 (17,4)
3,5	5,2	4,7 (6,2)	12,4 (15,5)	5,9 (7,6)	15,1 (18,7)
4	4,0	4,8 (6,4)	12,8 (16,3)	6,0 (7,9)	15,8 (19,7)
4,5	3,1	4,7 (6,6)	13,2 (17,0)	6,0 (8,1)	16,3 (20,7)
5	2,5	4,4 (6,7)	13,4 (17,5)	5,9 (8,3)	16,6 (21,5)
5,5	2,1	4,1 (6,7)	13,5 (18,0)	5,4 (8,5)	16,9 (22,1)
6	1,8	3,8 (6,7)	13,4 (18,4)	4,0 (8,5)	17,1 (22,7)
6,5	1,5	3,4 (6,5)	13,1 (18,7)	3,6 (8,5)	16,8 (23,1)
7	1,3	2,9 (6,2)	12,4 (18,9)	3,0 (8,4)	15,9 (23,5)
7,5	1,1	2,2 (5,9)	11,8 (19,0)	2,3 (8,0)	15,0 (23,8)

Ceiling mounting - room illumination (array of 2x2 luminaires)

Mounting height [m]				
2,5	3,9 (4,4)	10,5 (12,2)	3,4 (4,7)	11,1 (13,7)
3	3,9 (4,9)	11,2 (13,6)	3,8 (4,7)	12,4 (14,7)
3,5	4,1 (5,2)	12,1 (14,7)	3,5 (4,8)	13,1 (15,8)
4	4,2 (5,3)	12,8 (15,6)	3,2 (4,9)	13,8 (16,9)
4,5	3,9 (4,9)	13,2 (15,8)	3,2 (5,8)	14,7 (18,6)
5	3,9 (5,3)	13,7 (16,9)	2,8 (5,2)	15,2 (19,0)
5,5	3,8 (5,4)	14,0 (17,7)	2,1 (4,8)	15,7 (19,6)
6	3,6 (5,5)	14,2 (18,4)	1,7 (4,3)	16,2 (20,2)
6,5	2,9 (4,9)	14,0 (18,5)	1,7 (4,9)	17,0 (21,4)
7	1,1 (4,8)	13,6 (18,9)	1,6 (4,8)	17,9 (22,0)
7,5	0,7 (4,8)	13,2 (19,4)	1,3 (4,0)	17,6 (22,3)

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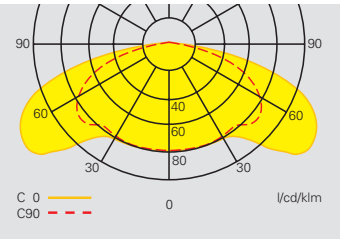

Light distribution curve
FlexiTech SU 400 CG-S Large

Planning help for FT3SU400CGS, for E = 1 lx (0.5 lx)
Measuring level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

Ceiling mounting - Escape route center

Mounting height [m]	Lux level directly under				
2,5	10,2	4,4 (5,6)	11,2 (13,6)	5,4 (6,7)	13,4 (16,2)
3	7,1	4,6 (6,0)	11,9 (14,8)	5,7 (7,2)	14,4 (17,6)
3,5	5,2	4,8 (6,2)	12,5 (15,7)	5,8 (7,6)	15,2 (18,9)
4	4,0	4,8 (6,5)	12,9 (16,6)	5,9 (7,9)	15,8 (19,9)
4,5	3,1	4,7 (6,6)	13,3 (17,2)	5,9 (8,1)	16,2 (20,8)
5	2,5	4,3 (6,7)	13,5 (17,7)	5,8 (8,2)	16,5 (21,6)
5,5	2,1	4,0 (6,8)	13,5 (18,1)	4,6 (8,4)	16,7 (22,1)
6	1,8	3,7 (6,7)	13,4 (18,5)	3,9 (8,4)	16,8 (22,6)
6,5	1,5	3,4 (6,5)	13,1 (18,8)	3,5 (8,4)	16,2 (23,0)
7	1,3	2,9 (6,2)	12,4 (19,0)	2,9 (8,2)	15,4 (23,3)
7,5	1,1	2,1 (5,9)	11,7 (19,1)	2,1 (7,7)	14,5 (23,5)

Ceiling mounting - room illumination (array of 2x2 luminaires)

Mounting height [m]				
2,5	3,8 (4,1)	10,5 (12,0)	3,6 (5,1)	11,3 (14,2)
3	3,6 (4,8)	11,0 (13,5)	4,2 (5,0)	12,8 (15,1)
3,5	3,7 (5,0)	11,7 (14,5)	4,2 (5,2)	13,7 (16,3)
4	4,0 (5,0)	12,7 (15,4)	3,4 (5,3)	14,0 (17,4)
4,5	3,3 (5,2)	12,7 (16,3)	4,1 (5,3)	15,3 (18,3)
5	3,5 (5,2)	13,4 (16,9)	3,5 (5,3)	15,5 (19,2)
5,5	3,3 (4,9)	13,6 (17,3)	3,5 (5,4)	16,0 (20,2)
6	3,2 (5,3)	13,8 (18,4)	3,1 (4,3)	16,4 (20,3)
6,5	3,0 (5,0)	14,1 (18,8)	1,7 (4,2)	16,6 (21,1)
7	1,1 (4,9)	13,8 (19,2)	1,3 (4,1)	17,3 (21,6)
7,5	0,9 (4,3)	13,4 (19,0)	1,1 (5,0)	17,0 (22,6)