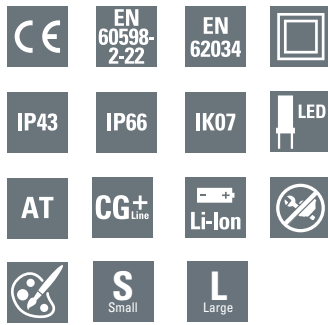


Safety Luminaire

FlexiTech SU CGLine+ (Safety Uniform illumination)



FlexiTech SU - Small/Large



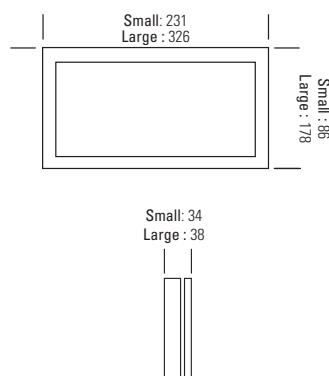
IP66 version

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

Dimensions (mm)



FlexiTech SU CGLine+

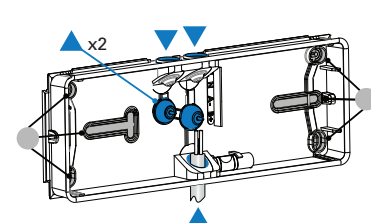
- Self-contained luminaire with Automatic Test and individual monitoring (CGLine+) for reduced inspection effort
- Innovative precise micro lenses guide light efficiently along the escape route while thanks to the large light output area the glare is significantly reduced, especially suitable in applications like night light
- Universal light distribution equally suitable for escape route and open area lighting for mounting heights up from 2.5 to 8m (420 lm version, 1hour duration)
- Up to 420 lm in a very compact luminaire
- Robust construction IK07 for reliable operation even in difficult environments
- Light output selectable in two steps in mains operation (eg. theater: 10 lm, supermarket: 100 lm) and additional setting (30%, 70%, 100%)
- Selectable operating time (1/2/3/8h operation)
- Selectable operation mode (Maintained or Non-Maintained) via switch input
- 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)
- Low eco footprint thanks to its eco-design, low consumption and Lithium battery
- Lifespan: 10 years without component replacement, proven with 1 year aging test @ 70°C ambient temperature
- Simple fault analysis and status display via bicolor LED, testing button (magnet) and supervision solutions
- Complete range of accessories available (recessed kit, recessed box for plaster and brick wall, wire guard)
- Coloured accessories available on demand

Luminous flux Φ_E/Φ_N at end of rated operating time	100% @ 1h, 54% @ 2h, 33% @ 3h, 12% @ 8h
Illumination in mains mode	10 or 100lm setting via switch, and possible additional setting via magnet (30%, 70%, 100%)
Operation	Maintained / Non-Maintained (via switch input)
Testing system	Automatic Test in compliance with EN 62034 Connection possible to the CGLine+ monitoring system
Housing	
Type of mounting	Surface-mounting
Material	Polycarbonate
Colour	White RAL9003
Degree of protection	Small version: IP66 / IK07 Large version: IP43 / IK07
Terminals	Screwless terminals for flexible and rigid wires From 0,5 to 2,5 mm ²
Connection voltage	220 - 240 V AC, 50/60 Hz
Permissible ambient temperature	5°C to 45°C, 0°C to 45°C in maintained mode. 35°C max for 10 years lifetime.
Battery	LiFePO4
Light source	LED, 6 500 K, CRI ≥70, Lifespan 100 000h
Dimensions	Small: 231 x 86 x 34 mm Large: 326 x 178 x 38 mm
Insulation Class	II

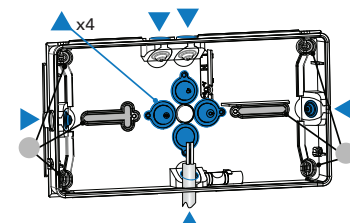
Ordering details

Order code	Size	IP	IK	1h	2h	3h	8h	lm in mains	Operation	Consumption		Battery	Weight (kg)
										NM W/VA	M W/VA		
FT1SU400CGL18IP	Small	66	07	420	225	140	50	10 / 100	MNM	0,3W / 1 VA	2W / 5 VA	FT-BATLL3	0,38
FT3SU400CGL18	Large	43	07	420	225	140	50	10 / 100	MNM	0,3W / 1 VA	2W / 5 VA	FT-BATLL3	0,91

Cable entries for FlexiTech EW 12m



Cable entries for FlexiTech EW 20/30m



- ▲ Cable entries
- Fixing points

Safety Luminaire

FlexiTech SU CGLine+ (Safety Uniform illumination)

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				
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FT1SU-RP	Renovation Plate for FlexiTech FT1SU				
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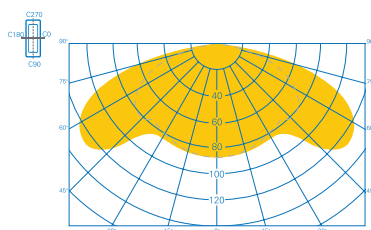
EMN	Eaton Magnet for configuration and tests				
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FT-BATLL3	Battery LiFePO4 long life, 3,2V / 3000mAh				
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FlexiTech FT1SU - Spacing data for flux value: 50 lm

FT1SU400 configured @8 hours



Light distribution curve

FlexiTech SU, asymmetric distribution : 1 lux (0.5 lux)

Ceiling mounting, maintenance factor MF = 94 %, measurement at floor level, battery operation, distances in m

Escape route illumination

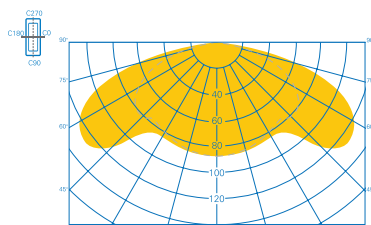
Mounting height [m]	Lux level directly under				
2,5	1,4	1,2 (2,4)	4,8 (7,0)	1,3 (3,2)	6,2 (8,7)
2,8	1	0,9 (2,2)	4,4 (7,1)	0,9 (3,0)	5,6 (8,9)
3	1	0,3 (2,1)	4,2 (7,1)	0,4 (2,4)	4,8 (9,0)

Open area illumination

Mounting height [m]				
2,5	1,5 (2,6)	5,2 (6,8)	1,5 (2,6)	6,0 (7,5)
2,8	1,4 (2,5)	5,0 (7,0)	1,4 (2,5)	5,8 (7,9)
3	1,3 (2,2)	4,8 (7,2)	1,3 (2,2)	5,6 (8,3)

FlexiTech FT1SU - Spacing data for flux value: 140 lm

FT1SU400 configured @3 hours



Light distribution curve

FlexiTech SU, asymmetric distribution : 1 lux (0.5 lux)

Ceiling mounting, maintenance factor MF = 94 %, measurement at floor level, battery operation, distances in m

Escape route illumination

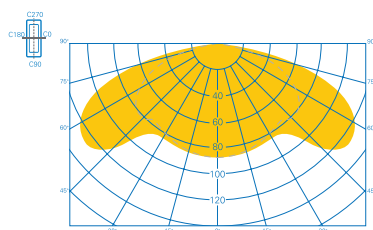
Mounting height [m]	Lux level directly under				
2,5	4,1	3,0 (4,0)	8,0 (10,2)	3,7 (4,9)	9,9 (12,3)
2,8	3	2,9 (4,1)	8,2 (10,6)	3,8 (5,1)	10,2 (12,9)
3	2,8	2,8 (4,2)	8,3 (10,8)	3,7 (5,2)	10,3 (13,2)
3,5	2	2,5 (4,2)	8,4 (11,3)	3,0 (5,3)	10,6 (13,9)
4	1,6	2,2 (4,1)	8,2 (11,7)	2,3 (5,3)	10,7 (14,4)
4,5	1,2	1,7 (3,8)	7,6 (11,9)	1,8 (5,2)	9,8 (14,8)
5	1	0,6 (3,5)	7,0 (11,9)	0,6 (4,1)	8,1 (15,0)

Open area illumination

Mounting height [m]				
2,5	3,0 (3,8)	7,6 (9,4)	3,0 (3,8)	8,3 (10,1)
2,8	3,0 (3,9)	7,9 (9,9)	3,0 (3,9)	8,7 (10,6)
3,0	3,0 (3,9)	8,0 (10,2)	3,0 (3,9)	8,9 (11,1)
3,5	2,7 (4,0)	8,5 (10,7)	2,7 (4,0)	9,6 (11,8)
4,0	2,3 (4,1)	8,7 (11,1)	2,2 (4,1)	10,2 (12,3)
4,5	2,1 (4,0)	8,4 (11,5)	2,1 (4,0)	9,8 (12,9)
5,0	1,9 (3,4)	8,0 (12,0)	1,9 (3,4)	9,3 (13,9)

FlexiTech FT1SU - Spacing data for flux value: 225 lm

FT1SU400 configured @2 hours



Light distribution curve

FlexiTech SU, asymmetric distribution : 1 lux (0.5 lux)

Ceiling mounting, maintenance factor MF = 94 %, measurement at floor level, battery operation, distances in m

Escape route illumination

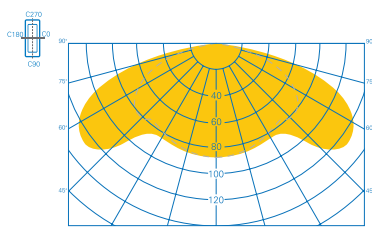
Mounting height [m]	Lux level directly under				
2,5	6	3,7 (4,7)	9,5 (11,8)	4,6 (5,8)	11,5 (14,1)
2,8	4,7	3,8 (4,9)	9,8 (12,3)	4,7 (6,0)	12,1 (14,8)
3	4,5	3,8 (5,0)	10,0 (12,7)	4,7 (6,2)	12,3 (15,3)
3,5	3,3	3,7 (5,2)	10,4 (13,4)	4,8 (6,4)	12,8 (16,3)
4	2,5	3,4 (5,3)	10,6 (13,9)	4,7 (6,6)	13,2 (17,1)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

Open area illumination

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

FlexiTech FT1SU - Spacing data for flux value: 420 lm

FT1SU400 configured @1 hour



Light distribution curve

FlexiTech SU, asymmetric distribution : 1 lux (0.5 lux)

Ceiling mounting, maintenance factor MF = 94 %, measurement at floor level, battery operation, distances in m

Escape route illumination

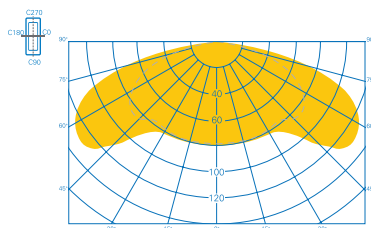
Mounting height [m]	Lux level directly under				
2,5	12	4,6 (5,8)	11,5 (14,0)	5,7 (6,9)	13,9 (16,6)
2,8	9	4,8 (6,0)	12,1 (14,7)	5,9 (7,3)	14,5 (17,6)
3	8	4,9 (6,2)	12,4 (15,2)	6,0 (7,5)	15,0 (18,1)
3,5	6,3	5,1 (6,5)	13,1 (16,2)	6,3 (8,0)	15,9 (19,5)
4	4,8	5,2 (6,8)	13,6 (17,2)	6,4 (8,4)	16,7 (20,7)
4,5	3,8	5,1 (7,0)	14,0 (17,9)	6,5 (8,6)	17,3 (21,7)
5	3	5,0 (7,2)	14,4 (18,5)	6,5 (8,9)	17,7 (22,6)
5,5	2,5	4,7 (7,3)	14,5 (19,1)	6,4 (9,0)	18,1 (23,4)
6	2,1	4,4 (7,3)	14,6 (19,5)	5,6 (9,2)	18,3 (24,0)
6,5	1,8	4,1 (7,2)	14,5 (19,9)	4,4 (9,3)	18,5 (24,6)
7	1,5	3,7 (7,1)	14,2 (20,3)	3,9 (9,2)	18,3 (25,0)
7,5	1,3	3,3 (6,8)	13,6 (20,5)	3,4 (9,1)	17,3 (25,4)
8	1,2	2,6 (6,5)	12,9 (20,6)	2,7 (8,8)	16,5 (25,7)
8,5	1	1,5 (6,2)	12,4 (20,6)	1,6 (7,8)	15,3 (25,9)

Open area illumination

Mounting height [m]				
2,5	3,8 (4,6)	10,6 (12,7)	4,1 (4,9)	12,0 (14,2)
2,8	4,4 (5,4)	11,1 (13,3)	4,4 (5,4)	11,9 (14,1)
3	4,5 (5,5)	11,4 (13,8)	4,5 (5,5)	12,3 (14,7)
3,5	4,7 (5,9)	12,2 (14,7)	4,7 (5,9)	13,2 (15,7)
4	4,8 (6,1)	12,8 (15,7)	4,8 (6,1)	14,0 (16,8)
4,5	4,9 (6,3)	13,3 (16,5)	4,9 (6,3)	14,5 (17,8)
5	4,9 (6,4)	13,7 (17,3)	4,9 (6,4)	15,2 (18,8)
5,5	4,8 (6,6)	14,1 (17,8)	4,8 (6,6)	15,8 (19,5)
6	4,4 (6,7)	14,5 (18,3)	4,4 (6,7)	16,7 (20,1)
6,5	3,8 (6,7)	14,9 (18,8)	3,8 (6,7)	17,5 (20,8)
7	3,6 (6,7)	14,9 (19,3)	3,6 (6,7)	17,7 (21,4)
7,5	3,4 (6,6)	14,6 (19,7)	3,4 (6,6)	17,4 (22,1)
8	3,2 (6,4)	14,3 (20,1)	3,2 (6,4)	16,9 (22,7)
8,5	3,0 (5,9)	13,9 (20,6)	3,0 (5,9)	16,3 (23,6)
9	1,9 (4,8)	14,3 (21,3)	0,5 (3,3)	17,1 (25,1)

FlexiTech FT3SU - Spacing data for flux value: 50 lm

FT3SU400 configured @8 hours



Light distribution curve for FT3SU

FlexiTech FT3SU, asymmetric distribution : 1 lux (0.5 lux)

Ceiling mounting, maintenance factor MF = 94 %, measurement at floor level, battery operation, distances in m

Escape route illumination

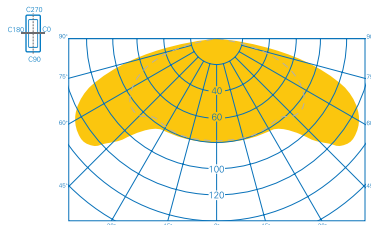
Mounting height [m]	Lux level directly under				
2,5	1,4	1,2 (2,4)	4,8 (7,1)	1,2 (3,1)	6,0 (8,6)
2,8	1,1	0,8 (2,2)	4,4 (7,1)	0,8 (2,9)	5,5 (8,8)

Open area illumination

Mounting height [m]				
2,5	1,5 (2,6)	5,2 (6,7)	1,5 (2,6)	5,9 (7,4)
2,8	1,4 (2,5)	5,0 (7,0)	1,4 (2,5)	5,7 (7,8)
3	1,3 (2,2)	4,8 (7,2)	1,3 (2,2)	5,6 (8,2)

FlexiTech FT3SU - Spacing data for flux value: 140 lm

FT3SU400 configured @3 hours



Light distribution curve for FT3SU

FlexiTech FT3SU, asymmetric distribution : 1 lux (0.5 lux)

Ceiling mounting, maintenance factor MF = 94 %, measurement at floor level, battery operation, distances in m

Escape route illumination

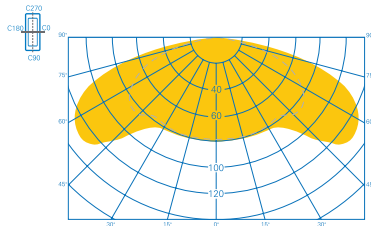
Mounting height [m]	Lux level directly under				
2,5	4	3,0 (4,0)	8,1 (10,4)	3,7 (4,9)	9,9 (12,4)
2,8	3,2	2,9 (4,1)	8,3 (10,7)	3,7 (5,1)	10,1 (13,0)
3	2,8	2,8 (4,2)	8,4 (10,9)	3,7 (5,1)	10,2 (13,3)
3,5	2	2,5 (4,2)	8,5 (11,4)	2,8 (5,2)	10,5 (13,9)
4	1,5	2,2 (4,1)	8,2 (11,7)	2,2 (5,2)	10,3 (14,3)
4,5	1,2	1,7 (3,8)	7,5 (11,9)	1,7 (5,0)	9,5 (14,6)
5	1	0,3 (3,5)	7,0 (12,0)	0,3 (3,8)	7,7 (14,8)

Open area illumination

Mounting height [m]				
2,5	3,0 (3,8)	7,6 (9,5)	3,0 (3,8)	8,3 (10,2)
2,8	3,0 (3,9)	7,8 (9,9)	3,0 (3,9)	8,6 (10,7)
3	3,0 (3,9)	8,0 (10,2)	3,0 (3,9)	8,8 (11,1)
3,5	2,6 (4,0)	8,5 (10,7)	2,6 (4,0)	9,6 (11,7)
4	2,3 (4,0)	8,6 (11,1)	2,3 (4,0)	10,1 (12,3)
4,5	2,1 (3,9)	8,4 (11,5)	2,1 (3,9)	9,7 (12,8)
5	1,9 (3,4)	7,9 (12,0)	1,9 (3,4)	9,3 (13,5)

FlexiTech FT3SU - Spacing data for flux value: 225 lm

FT3SU400 configured @2 hours



Light distribution curve for FT3SU

FlexiTech FT3SU, asymmetric distribution : 1 lux (0.5 lux)

Ceiling mounting, maintenance factor MF = 94 %, measurement at floor level, battery operation, distances in m

Escape route illumination

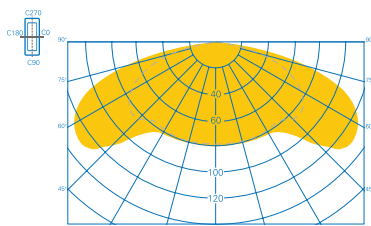
Mounting height [m]	Lux level directly under				
2,5	6,5	3,7 (4,8)	9,6 (12,0)	4,5 (5,8)	11,6 (14,3)
2,8	5,1	3,8 (5,0)	9,9 (12,5)	4,6 (6,1)	12,1 (15,0)
3	4,5	3,8 (5,1)	10,1 (12,9)	4,7 (6,2)	12,3 (15,4)
3,5	3,3	3,7 (5,2)	10,5 (13,5)	4,7 (6,4)	12,8 (16,4)
4	2,5	3,4 (5,3)	10,7 (14,1)	4,6 (6,6)	13,1 (17,2)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

Open area illumination

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

FlexiTech FT3SU - Spacing data for flux value: 420 lm

FT3SU400 configured @1 hour



Light distribution curve for FT3SU

FlexiTech FT3SU, asymmetric distribution : 1 lux (0.5 lux)

Ceiling mounting, maintenance factor MF = 94 %, measurement at floor level, battery operation, distances in m

Escape route illumination

Mounting height [m]	Lux level directly under				
2,5	12	4,7 (5,9)	11,7 (14,2)	5,7 (7,0)	14,0 (16,9)
2,8	9,6	4,8 (6,1)	12,3 (15,0)	5,9 (7,4)	14,7 (17,8)
3	8,4	4,9 (6,3)	12,6 (15,5)	6,0 (7,6)	15,1 (18,4)
3,5	6,1	5,1 (6,6)	13,2 (16,5)	6,2 (8,0)	16,0 (19,8)
4	4,7	5,2 (6,9)	13,7 (17,4)	6,4 (8,4)	16,8 (20,9)
4,5	3,7	5,2 (7,1)	14,1 (18,2)	6,5 (8,6)	17,2 (21,9)
5	3	5,0 (7,2)	14,5 (18,7)	6,4 (8,8)	17,6 (22,7)
5,5	2,4	4,6 (7,3)	14,6 (19,2)	6,2 (9,0)	17,9 (23,5)
6	2	4,4 (7,3)	14,7 (19,7)	4,9 (9,1)	18,1 (24,0)
6,5	1,7	4,1 (7,3)	14,5 (20,1)	4,3 (9,1)	18,2 (24,5)
7	1,5	3,7 (7,1)	14,2 (20,4)	3,8 (9,1)	17,7 (24,9)
7,5	1,3	3,2 (6,8)	13,5 (20,6)	3,3 (9,0)	16,8 (25,2)
8	1	2,5 (6,4)	12,8 (20,7)	2,5 (8,5)	16,0 (25,4)
8,5	1	1,3 (6,2)	12,3 (20,7)	1,4 (6,9)	13,7 (25,6)

Open area illumination

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