

FlexiTech SU - Small



FlexiTech SU AT

- Self-contained luminaire with Automatic Test 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 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
- Available with protection degrees IP43 and IP66
- Selectable operating time (1/1.5/2/3h operation)
- Selectable operation mode (Maintained or Non-Maintained) via switch
- 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 luminaire, low consumption and Lithium battery
- Simple fault analysis and status display via bicolor LED
- Complete range of accessories available (recessed kit, recessed box for plaster and brick wall, wire guard)
- Coloured accessories available on demand



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

Luminous flux Φ_e/Φ_n
at end of rated operating time

FT1SU250 versions : 100% @ 1h, 60% @ 1.5h, 50% @ 2h, 32% @ 3h
FT1SU400 versions : 100% @ 1h, 69% @ 1.5h, 54% @ 2h, 33% @ 3h

Illumination in mains mode

100 lm

Operation

Maintained / Non-Maintained (via switch)

Testing system

Automatic Test in compliance with EN 62034

Rest mode

Rest mode function and test via remote control (TLU)

Housing

Surface-mounting

Type of mounting

Polycarbonate

Material

White RAL9003

Colour

Degree of protection

IP43 or IP66 / IK07

Terminals

Screwless terminals for flexible and rigid wires
From 0,5 to 2,5 mm²

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

Battery

LiFePO4

Light source

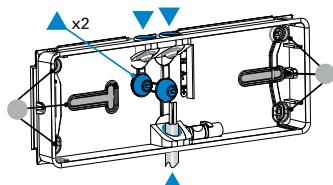
LED, 6 500 K, CRI ≥70, Lifespan 100 000h

Dimensions

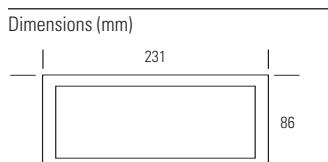
231 x 86 x 34 mm

Insulation Class

II



△ Cable entries ● Fixing points



Ordering details

Order code	Im in emergency at the selected duration						Operation	Consumption			Battery	Weight (kg)
	IP	IK	1h	1.5h	2h	3h		NM W/V/A	M W/V/A			
FT1SU250ATT13	43	07	250	150	125	80	100	MNM	0,3W / 1 VA	2W / 5 VA	FT-BAT2	0.34
FT1SU250ATT13IP	66	07	250	150	125	80	100	MNM	0,3W / 1 VA	2W / 5 VA	FT-BAT2	0.34
FT1SU400ATT13	43	07	420	290	225	140	100	MNM	0,3W / 1 VA	2W / 5 VA	FT-BAT3	0.38
FT1SU400ATT13IP	66	07	420	290	225	140	100	MNM	0,3W / 1 VA	2W / 5 VA	FT-BAT3	0.38



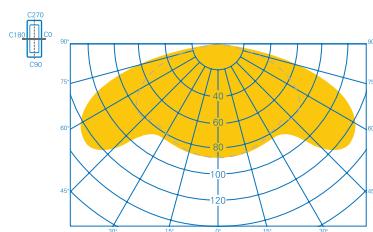
Accessories for FlexiTech SU

Accessories

			 Black mat RAL9005	 Dark Grey RAL7015	 Silver gloss RAL9007
	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
		Metal cover for FlexiTech FT3SU	FT3EWSU-MC-B	FT3EWSU-MC-DG	FT3EWSU-MC-S
	FT2-WG	Wire Guard, compatible with FlexiTech FT1SU			
	FT3-WG	Wire Guard, compatible with FlexiTech FT3SU			
	FT1-RB	Recess box / plaster & brick for FlexiTech FT1SU			
	FT1SU-RP	Renovation Plate for FlexiTech FT1SU			
	EMN	Eaton Magnet for configuration and tests			
	FT-BAT2	Battery LiFePO4, 3,2V / 1500mAh			
	FT-BAT3	Battery LiFePO4, 3,2V / 3000mAh			
	FT-BATLL2	Battery LiFePO4 long life, 3,2V / 1500mAh			
	FT-BATLL3	Battery LiFePO4 long life, 3,2V / 3000mAh			

FlexiTech SU - Spacing data for flux value: 80 lm

FT1SU250 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

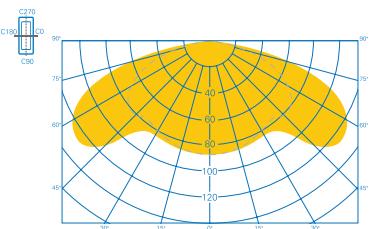
Mounting height [m]	Lux level directly under				
2,5	2,3	2,0 (3,2)	6,4 (8,4)	2,7 (4,0)	7,9 (10,3)
2,8	2	1,8 (3,2)	6,3 (8,7)	2,0 (4,0)	8,1 (10,7)
3,0	1,6	1,7 (3,1)	6,2 (8,8)	1,8 (4,0)	8,1 (10,9)
3,5	1,2	1,1 (2,8)	5,6 (9,0)	1,2 (3,8)	7,2 (11,2)

Open area illumination

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

FlexiTech SU - Spacing data for flux value: 125 lm

FT1SU250 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

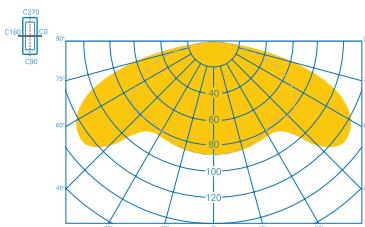
Mounting height [m]	Lux level directly under				
2,5	3,7	2,8 (3,8)	7,7 (9,8)	3,6 (4,7)	9,5 (11,9)
2,8	3	2,7 (3,9)	7,9 (10,2)	3,5 (4,9)	9,7 (12,4)
3	2,5	2,5 (4,0)	7,9 (10,4)	3,5 (4,9)	9,9 (12,8)
3,5	1,8	2,3 (4,0)	7,9 (10,8)	2,4 (5,0)	10,1 (13,3)
4	1,4	1,9 (3,8)	7,6 (11,1)	2,0 (5,0)	9,6 (13,8)
4,5	1	1,2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

Open area illumination

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

FlexiTech SU - Spacing data for flux value: 150 lm

FT1SU250 configured @1.5 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

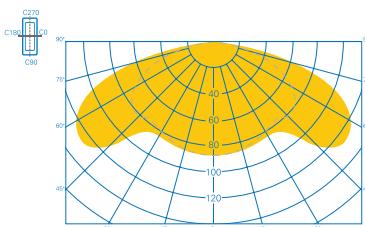
Mounting height [m]	Lux level directly under				
2,5	4,4	3,1 (4,1)	8,2 (10,4)	3,9 (5,1)	10,1 (12,6)
2,8	3,5	3,0 (4,2)	8,5 (10,8)	3,9 (5,2)	10,4 (13,2)
3	3	3,0 (4,3)	8,6 (11,1)	3,9 (5,3)	10,6 (13,5)
3,5	2,2	2,7 (4,4)	8,7 (11,6)	3,6 (5,5)	10,9 (14,3)
4	1,7	2,4 (4,3)	8,6 (12,0)	2,5 (5,5)	11,1 (14,8)
4,5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

Open area illumination

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

FlexiTech SU - Spacing data for flux value: 250 lm

FT1SU250 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

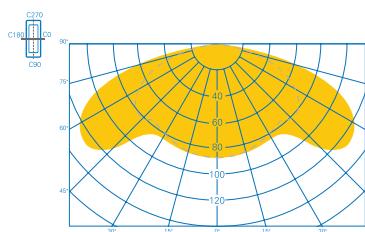
Mounting height [m]	Lux level directly under				
2,5	7,4	3,8 (4,9)	9,8 (12,1)	4,7 (6,0)	11,9 (14,5)
2,8	5,8	3,9 (5,1)	10,2 (12,7)	4,9 (6,2)	12,4 (15,3)
3	5	4,0 (5,2)	10,4 (13,1)	4,9 (6,4)	12,8 (15,8)
3,5	3,7	4,0 (5,4)	10,8 (13,8)	5,0 (6,7)	13,3 (16,8)
4	2,8	3,8 (5,6)	11,1 (14,5)	5,0 (6,9)	13,8 (17,7)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

Open area illumination

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

FlexiTech SU - 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

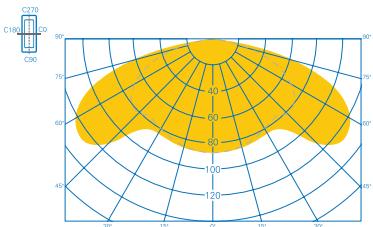
Mounting height [m]	Lux level directly under				
2,5	4,1	3,0 (4,0)	8,0 (10,2)	3,7 (4,9)	9,9 (12,3)
2,8	3	2,9 (4,1)	8,2 (10,6)	3,8 (5,1)	10,2 (12,9)
3	2,8	2,8 (4,2)	8,3 (10,8)	3,7 (5,2)	10,3 (13,2)
3,5	2	2,5 (4,2)	8,4 (11,3)	3,0 (5,3)	10,6 (13,9)
4	1,6	2,2 (4,1)	8,2 (11,7)	2,3 (5,3)	10,7 (14,4)
4,5	1,2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

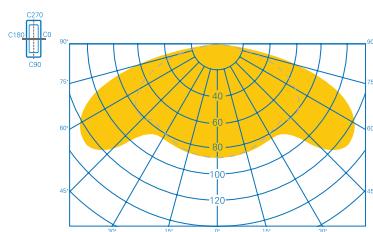
Mounting height [m]	Lux level directly under				
2,5	6	3,7 (4,7)	9,5 (11,8)	4,6 (5,8)	11,5 (14,1)
2,8	4,7	3,8 (4,9)	9,8 (12,3)	4,7 (6,0)	12,1 (14,8)
3	4,5	3,8 (5,0)	10,0 (12,7)	4,7 (6,2)	12,3 (15,3)
3,5	3,3	3,7 (5,2)	10,4 (13,4)	4,8 (6,4)	12,8 (16,3)
4	2,5	3,4 (5,3)	10,6 (13,9)	4,7 (6,6)	13,2 (17,1)
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 SU - Spacing data for flux value: 290 lm

FT1SU400 configured @1.5 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

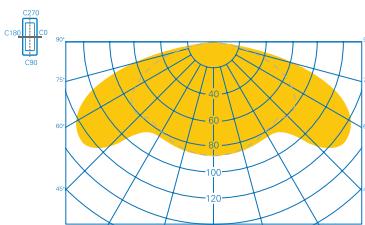
Mounting height [m]	Lux level directly under				
2,5	8,5	4,1 (5,2)	10,3 (12,6)	5,0 (6,2)	12,4 (15,1)
2,8	6	4,2 (5,4)	10,7 (13,3)	5,2 (6,5)	13,0 (15,9)
3	5,5	4,2 (5,5)	11,0 (13,7)	5,2 (6,7)	13,4 (16,5)
3,5	4	4,3 (5,7)	11,5 (14,5)	5,4 (7,0)	14,1 (17,5)
4	3	4,2 (5,9)	11,8 (15,2)	5,4 (7,3)	14,6 (18,5)
4,5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

Open area illumination

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

FlexiTech SU - 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)

Notes

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Eaton
EMEA Headquarters
Route de la Longerai 7
1110 Morges, Switzerland
Eaton.eu

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