

Safety luminaires

Safety Luminaires for Escape Route Lighting

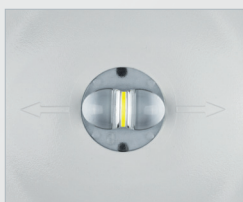
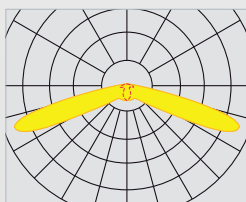
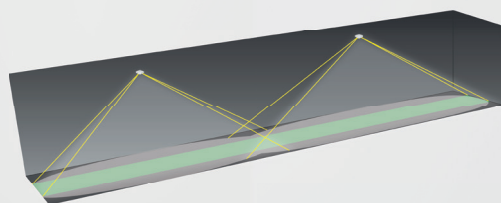


With this updated version, GuideLed SL offers even more efficient options for safety lighting according to EN 1838. Proven LEDs deliver more luminous flux for the same electrical power and operate for up to 100,000 hours with a lumen depreciation of less than 10%. This enables carefree operation in permanent mode, for example as a stand-by light during the night hours.

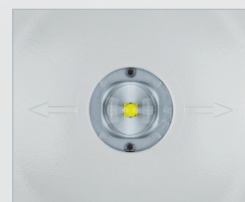
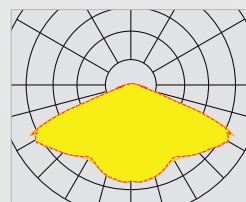
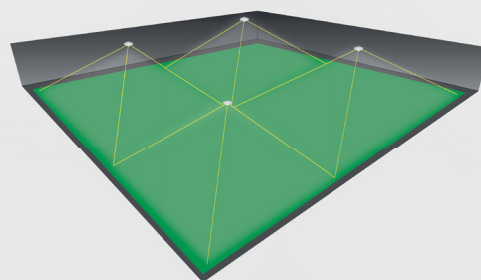
Four new optics have been designed for two mounting height levels to illuminate linear escape routes and open spaces most efficiently:

Mounting height
2,5 to 7m

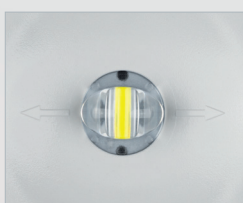
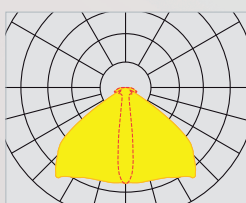
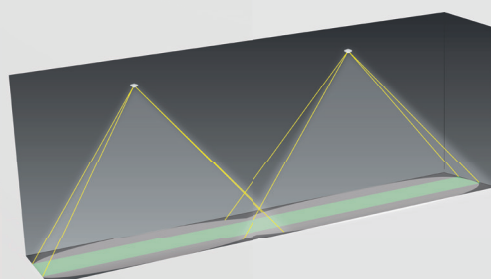
GuideLed SL 1301x.2



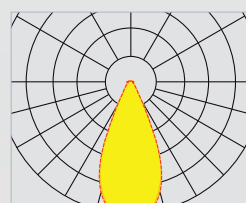
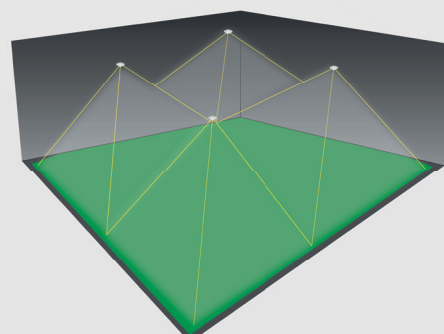
GuideLed SL 1302x.2



GuideLed SL 1303x.2

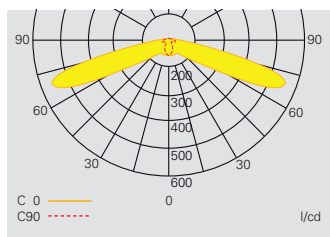
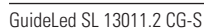


GuideLed SL 1304x.2

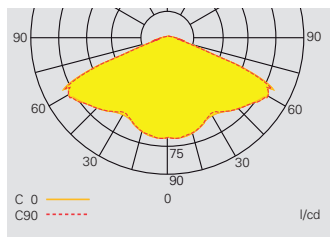


Mounting height
7 to 17m

Safety Luminaires for Escape Route Lighting



Guided SL 13021.2 CG-S



Square bezel for
GuideLed SL 130x1.2 CG-S

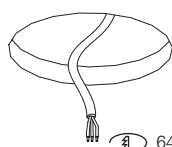
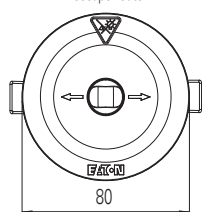


- Safety luminaire with LED technology for recessed mounting
- Unobtrusive, discrete appearance with round design and low installation depth of only 40 mm
- Conversion to square design with optional bezel to fit to the ceiling plan if necessary
- Special LED optics ensure especially efficient escape route illumination or uniform anti-panic illumination for mounting heights between 2.5 and 7 m
- Spacing up to 32 m from luminaire to luminaire with optics for escape route illumination (for 1 lx)
- Spacing up to 13.7 m from luminaire to luminaire with optics for antipanic illumination (for 1 lx)
- Minimum service requirement due to high service life of the LEDs (up to 100.000 hours)

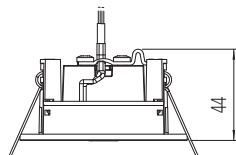
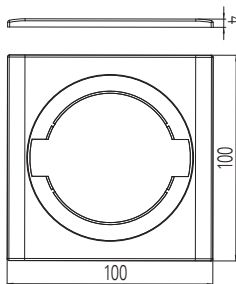
Luminous flux Φ_N	Asymmetric optics 300 lm Symmetric optics 320 lm
Luminous flux Φ_E/Φ_N at end of rated operating time	100%
Housing material	Polycarbonate, aluminium
Housing colour	White RAL 9016
Weight	0.25 kg
Type of mounting	Recessed mounting
Terminals	Clamp terminal 2 x 3 x 2.5 mm ²
Connection voltage	220 – 240 V AC, 50/60 Hz 176 – 275 V DC
Current consumption- battery operation (220 V)	20 mA
Power consumption mains operation (apparent power/effective power)	8.0 VA / 3.9 W
Inrush current	1.5 A
Permissible ambient temperature	-20°C to +40°C
Light source	HighPower LED 1 x 2.2 W (4000 K / CRI 70)

Type	Scope of supply	Order No.
GuideLed SL 13011.2 CG-S	GuideLed SL 13011.2 CG-S, round recessed mounting luminaire, with asymmetric optics for exit route lighting, 4000 K, LED-Supply and CG-S technology (20 addresses) in a plastic enclosure* with strain relief	40071356730
GuideLed SL 13021.2 CG-S	GuideLed SL 13021.2 CG-S, round recessed mounting luminaire, with symmetric optics for anti-panic or open area lighting, 4000 K, LED-Supply and CG-S technology (20 addresses) in a plastic enclosure* with strain relief	40071356731
Square bezel	Square bezel GuideLed SL 130x1.x CG-S	40071354488
Plastic enclosure	Plastic enclosure for installation in concrete (suitable from 160 mm ceiling depth), for GuideLed SL 130x1.x CG-S	40071353169

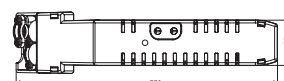
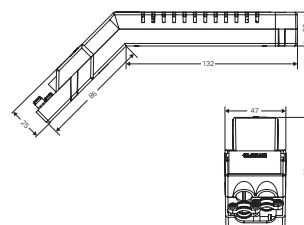
Orientation of
escape route



64-68 mm Ø



Thickness of ceiling 1 - 20 mm



Module housing

EATON - EMERGENCY LIGHTING CPS – 2024

GuideLed SL 13012.2, 13022.2 CG-S

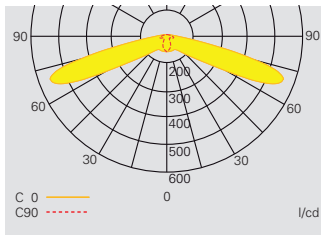
Safety Luminaires for Escape Route Lighting



GuideLed SL 13012.2, 13022.2 CG-S

- Safety luminaire with LED technology for surface mounting
- Slender, discrete design with low height of 32 mm
- Die-cast base for optimum thermal conditions, with additional space for cabling
- Special LED optics ensure especially efficient escape route illumination or uniform anti-panic illumination for mounting heights between 2.5 and 7 m
- Spacing up to 32 m from luminaire to luminaire with optics for escape route illumination (for 1 lx)
- Spacing up to 13.7 m from luminaire to luminaire with optics for antipanic illumination (for 1 lx)
- Minimum service requirement due to high service life of the LEDs (up to 100.000 hours)

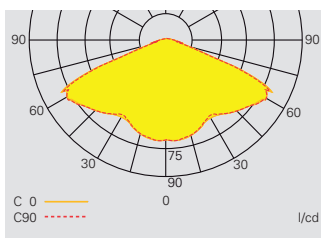
GuideLed SL 13012.2 CG-S



Light distribution curve
GuideLed SL 13012.2 CG-S surface
with asymmetric optics

Luminous flux Φ_N	Asymmetric optics 300 lm Symmetric optics 320 lm
Luminous flux Φ_E/Φ_N at end of rated operating time	100%
Housing material	Polycarbonate, aluminium
Housing colour	White RAL 9016
Weight	0.33 kg
Type of mounting	Surface mounting
Terminals	2 x 3 x 2.5 mm ²
Connection voltage	220 – 240 V AC, 50/60 Hz 176 – 275 V DC
Current consumption- battery operation (220 V)	20 mA
Power consumption mains operation (apparent power/effective power)	8.0 VA / 3.9 W
Inrush current	1.5 A
Permissible ambient temperature	-20°C to +40°C
Light source	HighPower LED 1 x 2.2 W (4000 K / CRI 70)

GuideLed SL 13022.2 CG-S

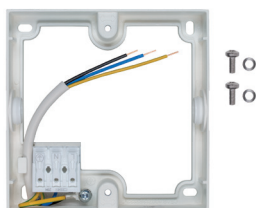


Light distribution curve
GuideLed SL 13022.2 CG-S surface
with symmetric optics

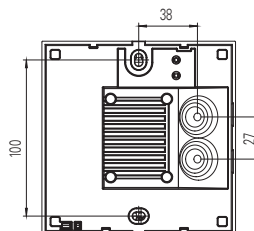
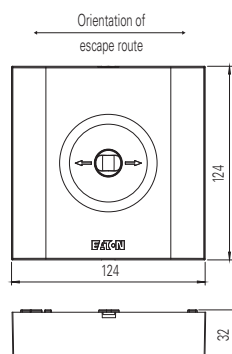
Ordering details

	Scope of supply	Order No.
GuideLed SL 13012.2 CG-S	GuideLed SL 13012.2 CG-S, square surface mounting luminaire, with asymmetric optics for exit route lighting, 4000 K, including LED-Supply with CG-S technology (20 addresses)	40071356732
GuideLed SL 13022.2 CG-S	GuideLed SL 13022.2 CG-S, square surface mounting luminaire, with symmetric optics for anti-panic or open area lighting, 4000 K, including LED-Supply with CG-S technology (20 addresses)	40071356733
Additional enclosure for GuideLed SL 130x2.x	Additional enclosure for GuideLed SL 130x2.x, for more space for wiring and cable entry, including through-wiring terminal and connection cable to luminaire	40071354489

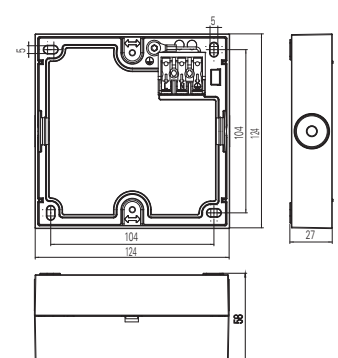
Additional enclosure



Dimensions in mm

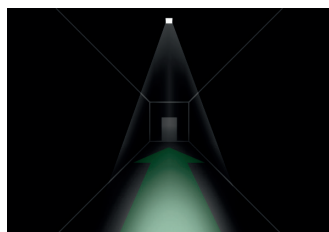
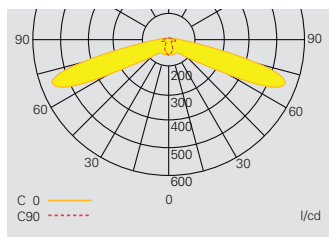


Additional enclosure



GuideLed SL 13011.2, 13021.2, 13012.2, 13022.2 CG-S





Safety Luminaires for Escape Route Lighting

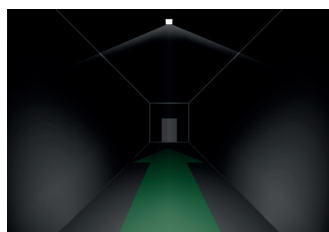
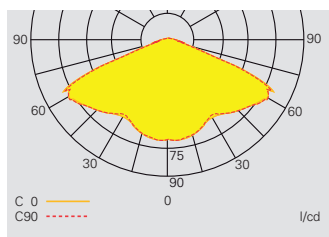


Escape route illumination
with asymmetric optics

Planning assistance for GuideLed SL 1301x.2 CG-S with asymmetric optics for E = 1.0 lx (0.5 lx)

Measuring height 0.02 m, maintenance factor MF = 80 %, battery operation





Mounting height [m]	Type of mounting	Lux level directly under	L1 	L2 	L3 	L4 
2.5	Ceiling mounting	9.5	2.3 (4.3)	8.6 (11.7)	8.7 (9.9)	19.8 (22.1)
3	1.0lx (0.5lx)	6.6	2.1 (3.7)	7.5 (12.1)	9.7 (11.2)	22.4 (25.1)
3.5	on center line	4.8	2.0 (3.3)	6.7 (12.2)	10.5 (12.3)	24.6 (27.9)
4		3.7	2.0 (3.0)	6.1 (11.4)	11.1 (13.3)	26.6 (30.5)
4.5		2.9	2.1 (2.8)	5.7 (9.9)	11.5 (14.2)	28.4 (32.8)
5		2.4	2.1 (2.8)	5.6 (9.4)	11.7 (14.9)	29.8 (35.0)
5.5		1.9	2.1 (2.8)	5.7 (8.9)	11.7 (15.5)	31.1 (37.0)
6		1.6	2.0 (2.9)	5.8 (8.3)	4.8 (16.0)	32.1 (39.0)
6.5		1.4	1.7 (3.0)	6.0 (8.0)	3.1 (16.4)	27.7 (40.7)
7		1.2	1.2 (3.0)	6.0 (7.9)	2.5 (16.6)	25.8 (42.0)
7.5		1.0	0.4 (3.0)	5.9 (8.0)	1.3 (16.6)	24.5 (43.3)



Escape route illumination
with symmetric optics

Planning assistance for GuideLed SL 1302x.2 CG-S with symmetric optics for E = 1.0 lx (0.5 lx)

Measuring height 0.02 m, maintenance factor MF = 80 %, battery operation

Mounting height [m]	Type of mounting	Lux level directly under	L1 	L2 	L3 	L4 
2.5	Ceiling mounting	8.9	4.7 (5.6)	11.2 (12.3)	4.7 (5.6)	11.3 (12.4)
3	1.0lx (0.5lx)	6.2	4.8 (6.3)	12.5 (14.1)	4.8 (6.3)	12.5 (14.2)
3.5	on center line	4.5	4.8 (6.6)	13.2 (15.8)	4.8 (6.6)	13.3 (15.8)
4		3.5	4.6 (6.8)	13.7 (17.1)	4.6 (6.8)	13.7 (17.2)
4.5		2.7	4.4 (6.9)	13.8 (18.1)	4.4 (6.8)	13.7 (18.3)
5		2.2	4.0 (6.8)	13.6 (18.7)	4.0 (6.8)	13.5 (18.8)
5.5		1.8	3.4 (6.6)	13.2 (19.3)	3.5 (6.6)	13.2 (19.3)
6		1.5	2.9 (6.4)	12.8 (19.4)	3.0 (6.4)	12.8 (19.4)
6.5		1.3	2.5 (6.1)	12.2 (19.4)	2.5 (6.1)	12.2 (19.3)
7		1.1	1.8 (5.7)	11.4 (19.3)	1.8 (5.7)	11.4 (19.1)
2,5	Ceiling mounting		4,3 (5,3)	10,9 (11,9)	4,3 (5,3)	10,8 (11,8)
3	1,0lx (0,5lx) in complete area		4,3 (5,6)	11,9 (13,7)	4,3 (5,6)	11,9 (13,6)
3,5	covered by 4 luminaires		4,1 (5,9)	12,8 (15,2)	4,1 (5,9)	12,8 (15,2)
4	in an rectangular arrangement		3,9 (6,0)	13,3 (16,3)	3,9 (6,0)	13,2 (16,3)
4,5			3,6 (5,8)	13,3 (17,4)	3,6 (5,8)	13,1 (17,4)
5			3,1 (5,6)	13,3 (18,1)	3,1 (5,6)	13,1 (18,1)
5,5			2,9 (5,4)	13,2 (18,7)	2,9 (5,4)	12,9 (18,6)
6			2,8 (5,1)	12,9 (18,7)	2,8 (5,1)	12,7 (18,6)
6,5			2,7 (4,7)	12,8 (18,8)	2,7 (4,7)	12,7 (18,5)
7			2,7 (4,3)	12,7 (18,6)	2,7 (4,3)	12,5 (18,4)



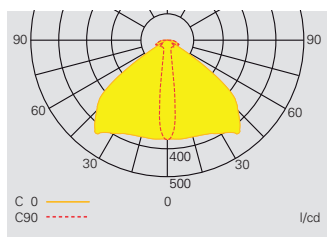
Room illumination
with symmetric optics

GuideLed SL 13031.2, 13041.2 CG-S

Safety Luminaires for Escape Route Lighting

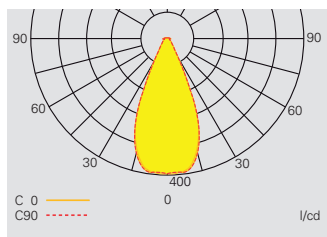


GuideLed SL 13031.2 CG-S



Light distribution curve
GuideLed SL 13031.2 CG-S surface
mounting with asymmetric optics

GuideLed SL 13041.2 CG-S



Light distribution curve
GuideLed SL 13041.2 CG-S surface
mounting with symmetric optics

Square bezel for
GuideLed SL 130x1.2 CG-S



* Degree of protection of the luminaire: IP41 (Once installed in the ceiling, the luminaire face is rated IP41)
Degree of protection of the module housing: IP20

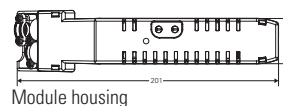
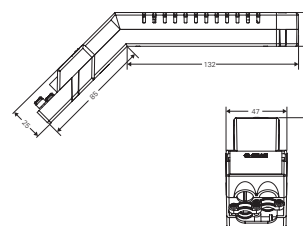
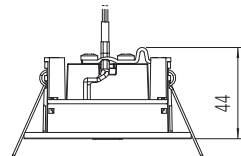
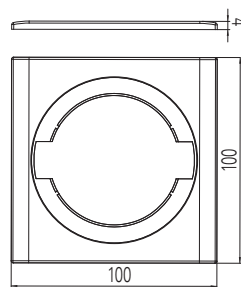
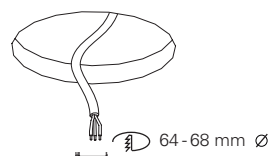
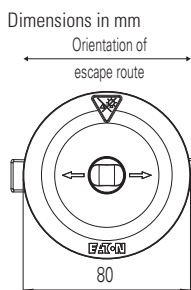
GuideLed SL 13031.2, 13041.2 CG-S

- Safety luminaire with LED technology for recessed mounting
- Unobtrusive, discrete appearance with round design and low installation depth of only 40 mm
- Conversion to square design with optional bezel to fit to the ceiling plan if necessary
- Special LED optics ensure especially efficient escape route illumination with 1 lx for mounting heights for up to 17 m
- The GuideLed SL 13031.2 is also suitable for increased illuminance requirements e.g. according to NFPA 101 with 10.8 lx and for the illumination of points of emphasis like call points or fire extinguisher acc. EN 1838
- Spacing up to 29 m from luminaire to luminaire with optics for escape route illumination (for 1 lx)
- Spacing up to 13 m from luminaire to luminaire with optics for antipanic illumination (for 1 lx)
- Minimum service requirement due to high service life of the LEDs (up to 100.000 hours)

Luminous flux Φ_N	Asymmetric optics 320 lm Symmetric optics 310 lm
Luminous flux Φ_E/Φ_N at the end of rated operating time	100%
Housing material	Polycarbonate, aluminium
Housing colour	White RAL 9016
Weight	0.25 kg
Type of mounting	Recessed mounting
Connection terminal	Clamp terminal 2.5 mm ²
Voltage ranges	220 – 240 V AC, 50/60 Hz 176 – 275 V DC
Current consumption - battery operation (220 V)	20 mA
Power consumption mains operation (apparent power / effective power)	8.0 VA / 3.9 W
Inrush current	1.5 A
Permissible ambient temperature	-20 °C to +40 °C
Light source	HighPower LED 1 x 2.2 W (4000 K / CRI 70)

Ordering details

Type	Scope of supply	Order No.
GuideLed SL 13031.2 CG-S	GuideLed SL 13031.2 CG-S round recessed mounting luminaire, with asymmetric narrow beam optics for exit route lighting with 1 lx for especially high mounting heights or for higher illuminance levels, e.g. 10.8 lx acc. NFPA, 4000 K, LED-Supply and CG-S technology (20 addresses) in a plastic enclosure* with strain relief	40071356736
GuideLed SL 13041.2 CG-S	GuideLed SL 13041.2 CG-S Recessed mounting, with symmetric narrow beam optics for anti-panic or open area lighting for especially high mounting heights, 4000 K, LED-Supply and CG-S technology (20 addresses) in a plastic enclosure* with strain relief	40071356735
Square bezel	Square bezel GuideLed SL 130x1.x CG-S	40071354488
Plastic enclosure	Plastic enclosure for installation in concrete (suitable from 160 mm ceiling depth), for GuideLed SL 130x1.x CG-S	40071353169



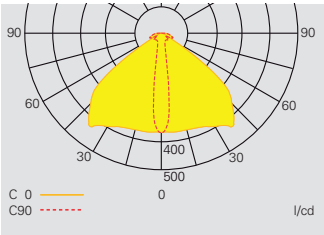
Thickness of ceiling 1 - 20 mm

GuideLed SL 13032.2, 13042.2 CG-S

Safety Luminaires for Escape Route Lighting

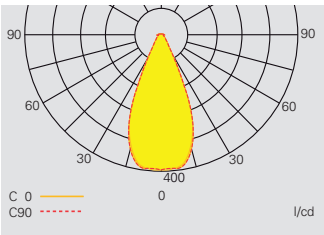


GuideLed SL 13032.2 CG-S



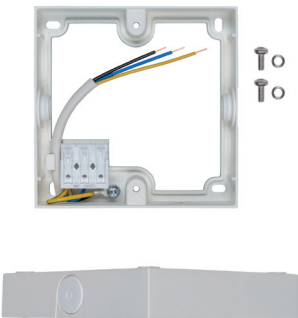
Light distribution curve
GuideLed SL 13032.2 CG-S surface
mounting with asymmetric optics

GuideLed SL 13042.2 CG-S



Light distribution curve
GuideLed SL 13042.2 CG-S surface
mounting with symmetric optics

Additional enclosure



GuideLed SL 13032.2, 13042.2 CG-S

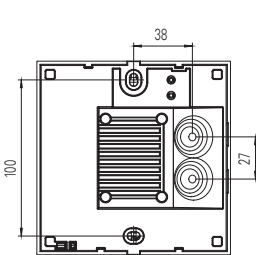
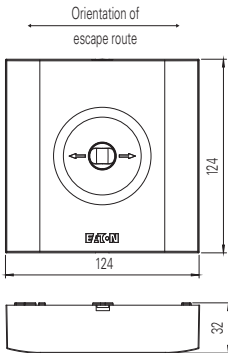
- Safety luminaire with LED technology for surface mounting
- Slender, discrete design with low height of 32 mm
- Die-cast base for optimum thermal conditions, with additional space for cabling
- Special LED optics ensure especially efficient escape route illumination with 1 lx for mounting heights for up to 17 m
- The GuideLed SL 13032.2 is also suitable for increased illuminance requirements e.g. according to NFPA 101 with 10.8 lx and for the illumination of points of emphasis like call points or fire extinguisher acc. EN 1838
- Spacing up to 29 m from luminaire to luminaire with optics for escape route illumination (for 1 lx)
- Spacing up to 13 m from luminaire to luminaire with optics for antipanic illumination (for 1 lx)
- Minimum service requirement due to high service life of the LEDs (up to 100.000 hours)

Luminous flux Φ_N	Asymmetric optics 320 lm Symmetric optics 310 lm
Luminous flux Φ_E/Φ_N at the end of rated operating time	100%
Housing material	Polycarbonate, aluminium
Housing colour	White RAL 9016
Weight	0.33 kg
Type of mounting	Surface mounting
Connection terminal	2 x 3 x 2.5 mm ²
Voltage ranges	220 – 240 V AC, 50/60 Hz 176 – 275 V DC
Current consumption - battery operation (220 V)	20 mA
Power consumption mains operation (apparent power / effective power)	8.0 VA / 3.9 W
Inrush current	1.5 A
Permissible ambient temperature	-20 °C to +40 °C
Light source	HighPower LED 1 x 2.2 W (4000 K / CRI 70)

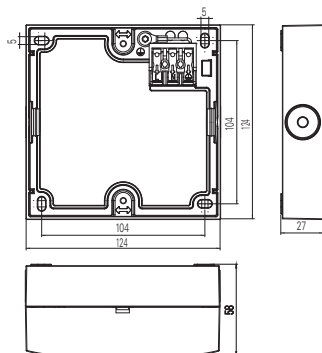
Ordering details

	Scope of supply	Order No.
GuideLed SL 13032.2 CG-S	GuideLed SL 13032.2 CG-S, square surface mounting luminaire, with asymmetric narrow beam optics for exit route lighting with 1 lx for especially high mounting heights or for higher illuminance levels, e.g. 10.8 lx acc. NFPA, 4000 K, including LED-Supply and CG-S technology (20 addresses)	40071356738
GuideLed SL 13042.2 CG-S	GuideLed SL 13042.2 CG-S Surface mounting, with symmetric narrow beam optics for anti-panic or open area lighting for especially high mounting heights, 4000 K, including LED-Supply and CG-S technology (20 addresses)	40071356737
Additional enclosure for GuideLed SL 130x2.x	Additional enclosure for GuideLed SL 130x2.x, for more space for wiring and cable entry, including through-wiring terminal and connection cable to luminaire	40071354489

Dimensions in mm

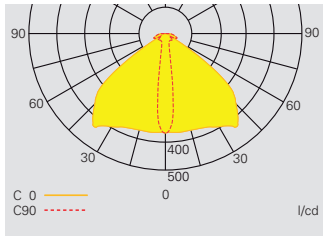


Additional enclosure



GuideLed SL 13031.2, 13032.2 CG-S

Safety Luminaires for Escape Route Lighting



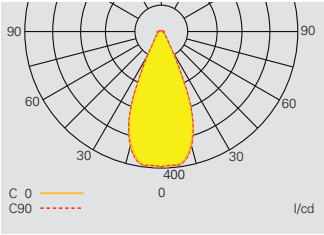
Planning assistance for GuideLed SL 1303x.2 CG-S with asymmetric optics for E = 1.0 lx (0.5 lx)

Measuring height 0.02 m, maintenance factor MF = 80 %, battery operation

Mounting height [m]	Type of mounting	Lux level directly under	L1	L2	L3	L4
6	Ceiling mounting	8.2	1.7 (3.1)	6.2 (12.1)	8.1 (8.9)	17.9 (19.4)
6.5	1.0lx (0.5lx)	6.9	1.7 (2.8)	5.6 (12.1)	8.6 (9.5)	19.0 (20.6)
7	on center line	6.0	1.7 (2.7)	5.4 (10.8)	9.0 (10.0)	20.1 (21.8)
7.5		5.2	1.7 (2.6)	5.2 (10.1)	9.3 (10.6)	21.1 (23.1)
8		4.6	1.7 (2.5)	5.0 (9.4)	9.6 (11.0)	22.1 (24.3)
8.5		4.1	1.7 (2.5)	4.9 (8.7)	9.9 (11.5)	23.1 (25.4)
9		3.6	1.7 (2.4)	4.8 (8.1)	10.0 (12.0)	24.0 (26.5)
9.5		3.2	1.7 (2.4)	4.8 (7.7)	10.1 (12.4)	24.8 (27.6)
10		2.9	1.7 (2.4)	4.8 (7.5)	10.2 (12.8)	25.6 (28.7)
11		2.4	1.7 (2.4)	4.8 (7.2)	10.3 (13.4)	26.9 (30.7)
12		2.0	1.7 (2.4)	4.8 (7.0)	10.3 (13.9)	27.9 (32.6)
13		1.7	1.7 (2.4)	4.8 (6.8)	10.1 (14.2)	28.5 (34.4)
14		1.5	1.6 (2.4)	4.8 (6.8)	8.8 (14.4)	28.8 (35.9)
15		1.3	1.5 (2.4)	4.9 (6.7)	7.1 (14.5)	29.0 (37.3)
16		1.1	1.2 (2.5)	4.9 (6.8)	5.1 (14.5)	29.1 (38.5)
17		1.0	0.3 (2.4)	4.9 (6.8)	1.5 (14.5)	28.5 (39.4)
6	Ceiling mounting		2.3 (3.3)	4.8 (9.2)	2.4 (3.3)	15.7 (12.6)
6.5	1.0lx (0.5lx) in complete area		2.3 (3.1)	4.9 (9.4)	2.3 (3.1)	17.1 (13.6)
7	covered by 4 luminaires		2.2 (3.1)	4.9 (7.3)	2.3 (3.1)	18.6 (17.2)
7.5	in an rectangular arrangement		2.2 (3.0)	4.7 (8.4)	2.3 (3.0)	19.7 (17.0)
8			2.2 (3.0)	4.7 (7.3)	2.3 (3.1)	20.7 (20.0)
8.5			2.2 (3.0)	4.6 (7.4)	2.3 (3.1)	21.9 (21.2)
9			2.2 (3.0)	4.6 (7.2)	2.3 (3.1)	22.8 (23.1)
9.5			2.2 (3.0)	4.6 (7.1)	2.2 (3.1)	23.7 (24.8)
10			2.2 (3.0)	4.6 (6.9)	2.3 (3.1)	24.6 (26.2)
11			2.2 (2.9)	4.6 (6.6)	2.3 (3.0)	26.0 (28.8)
12			2.3 (2.9)	4.7 (6.5)	2.3 (3.0)	26.7 (30.9)
13			2.2 (2.9)	4.7 (6.4)	2.3 (3.0)	28.2 (32.8)
14			2.2 (3.0)	4.8 (6.4)	2.2 (3.0)	28.8 (34.2)
15			2.1 (3.0)	4.8 (6.5)	2.1 (3.0)	29.5 (35.6)
16			2.0 (3.0)	4.9 (6.5)	2.0 (3.0)	29.8 (36.9)
17			1.8 (3.0)	4.9 (6.6)	1.8 (3.0)	30.1 (38.1)

GuideLed SL 13041.2, 13042.2 CG-S

Safety Luminaires for Escape Route Lighting



Planning assistance for GuideLed SL 1304x.2 CG-S with symmetric optics for E = 1.0 lx (0.5 lx)
Measuring height 0.02 m, maintenance factor MF = 80 %, battery operation

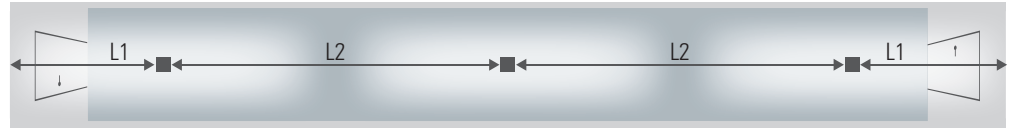
Mounting height [m]	Type of mounting	Lux level directly under	L1	L2	L3	L4
7	Ceiling mounting	5.7	3.6 (4.2)	8.5 (10.2)	3.6 (4.3)	8.5 (10.4)
7.5	1.0lx (0.5lx)	5.0	3.8 (4.4)	8.8 (10.5)	3.8 (4.4)	8.8 (10.7)
8	on center line	4.4	3.9 (4.5)	9.1 (10.7)	3.9 (4.6)	9.1 (10.9)
8.5		3.9	4.0 (4.7)	9.4 (11.0)	4.0 (4.7)	9.5 (11.2)
9		3.5	4.1 (4.8)	9.7 (11.3)	4.1 (4.9)	9.8 (11.4)
9.5		3.1	4.3 (5.0)	10.0 (11.7)	4.2 (5.0)	10.1 (11.8)
10		2.8	4.3 (5.1)	10.3 (12.0)	4.3 (5.2)	10.3 (12.1)
10.5		2.5	4.4 (5.3)	10.6 (12.3)	4.4 (5.3)	10.6 (12.4)
11		2.3	4.5 (5.4)	10.9 (12.6)	4.5 (5.4)	10.9 (12.7)
11.5		2.1	4.6 (5.6)	11.1 (13.0)	4.5 (5.6)	11.2 (13.1)
12		1.9	4.6 (5.7)	11.4 (13.3)	4.5 (5.7)	11.4 (13.4)
13		1.7	4.5 (5.9)	11.8 (13.9)	4.4 (5.9)	11.9 (14.0)
14		1.4	4.3 (6.1)	12.3 (14.5)	4.2 (6.1)	12.3 (14.5)
15		1.2	3.8 (6.3)	12.6 (15.1)	3.7 (6.3)	12.6 (15.1)
16		1.1	3.0 (6.4)	12.8 (15.6)	2.8 (6.4)	12.7 (15.7)
16.5		1.0	1.9 (6.4)	12.8 (15.9)	1.8 (6.4)	12.6 (15.9)
7	Ceiling mounting		4.1 (4.7)	8.7 (10.5)	4.1 (4.8)	8.5 (10.6)
7.5	1.0lx (0.5lx) in complete area		4.3 (4.9)	9.0 (10.8)	4.3 (4.9)	9.0 (10.9)
8	covered by 4 luminaires		4.4 (5.1)	9.3 (11.1)	4.4 (5.1)	9.3 (11.0)
8.5	in an rectangular arrangement		4.4 (5.2)	9.6 (11.3)	4.4 (5.3)	9.6 (11.4)
9			4.5 (5.4)	10.0 (11.6)	4.5 (5.4)	9.8 (11.7)
9.5			4.5 (5.5)	10.3 (11.9)	4.5 (5.6)	10.2 (11.9)
10			4.6 (5.7)	10.5 (12.3)	4.6 (5.7)	10.5 (12.3)
10.5			4.6 (5.8)	10.8 (12.6)	4.6 (5.8)	10.8 (12.6)
11			4.7 (5.9)	11.1 (12.9)	4.7 (5.9)	11.1 (12.9)
11.5			4.7 (6.0)	11.4 (13.3)	4.7 (6.0)	11.3 (13.1)
12			4.7 (6.0)	11.7 (13.6)	4.7 (6.0)	11.6 (13.6)
13			4.6 (6.1)	12.1 (14.3)	4.6 (6.1)	12.1 (14.1)
14			4.3 (6.2)	12.6 (14.8)	4.3 (6.2)	12.5 (14.8)
15			3.8 (6.3)	13.0 (15.4)	3.8 (6.3)	12.9 (15.3)
16			3.2 (6.4)	13.3 (16.0)	3.2 (6.4)	13.1 (15.9)
16.5			2.8 (6.5)	13.3 (16.2)	2.8 (6.5)	13.2 (16.1)

GuideLed SL 13031.2, 13032.2 CG-S

Safety Luminaires for Escape Route Lighting

Planning assistance for GuideLed SL 13031.2, 13032.2 CG-S for $E_m = 10.8 \text{ lx}$

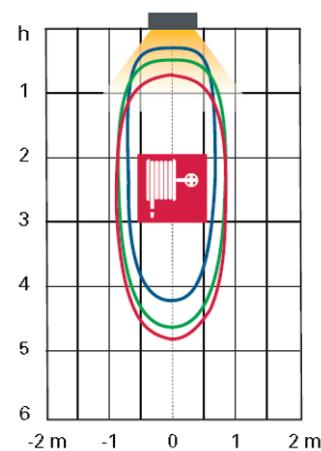
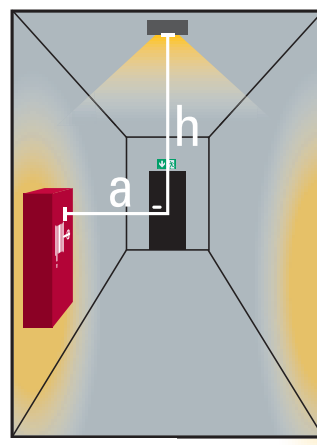
Measuring height 0.02 m, maintenance factor MF = 80 %, battery operation
Escape route width 2 m, reflectance 0



Mounting height [m]	Type of mounting	L1	L2	E_m	E_{min}	E_{max}
2.8	Ceiling mounting	4	8.7	11.2	1.1	38.4
3		4.1	8.6	10.8	1.4	33.4
3.5		3.4	8.2	10.8	2.8	24.5
4		1.9	7.8	10.8	2.8	18.8
5		0.6	6.8	10.8	3.9	15.0
6		0.6	4.8	10.8	5.7	13.5

Planning assistance for GuideLed SL 13031.2, 13032.2 CG-S for vertical illuminance $E_{min} = 5 \text{ lx}$

Maintenance factor MF = 80 %, battery operation



Area in which a minimum illuminance of 5 lx (maintenance factor 0.8) is achieved, depending on distance a:

- a = 1.0 m
- a = 1.5 m
- a = 2.0 m

GuideLed SL 13051.2, 13052.2 CG-S

Safety Luminaires for Escape Route Lighting

Requirements of EN 1838: illuminance of 5 lx for safety equipment

The aim of emergency lighting is to enable people to exit a room or building safely. It must also ensure that fire fighting and safety equipment can be easily found and operated when needed. This equipment includes (but not exclusively):

- First aid stations
- All fire fighting equipment and all alarm devices

Lighting is required near each first aid kit, near each alarm and piece of fire fighting equipment, as well as each sign indicating a fire alarm system. In accordance with EN 1838, „near“ generally means a distance of no greater than 2 metres, measured horizontally (this corresponds with distance a in the diagram below).

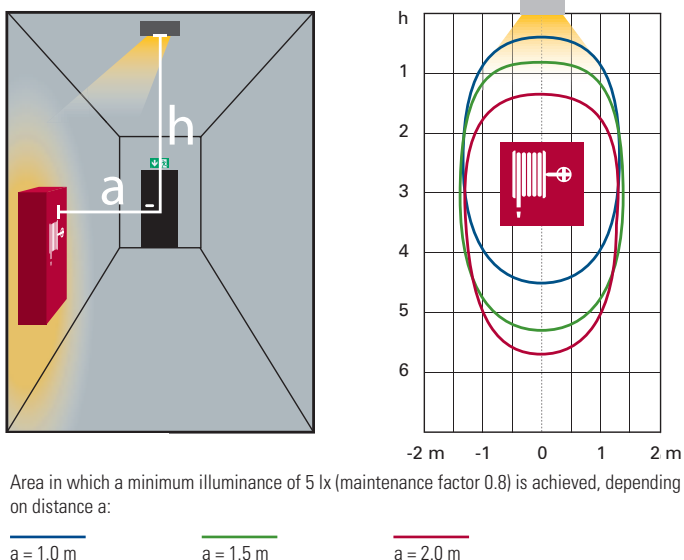
The required level of illuminance on the equipment is 5 lx measured vertically – i.e. perpendicular to the usual horizontal illuminance measurements on one level.

In comparison to the escape route requirement for 1 lx horizontally, different requirements apply in this situation for the light distribution from the safety luminaires due to the flatter light angle of incidence.

GuideLed SL 13051.2 and 13052.2 CG-S meet the specific requirements of EN 1838

In order to meet the requirements of EN 1838, the GuideLed SL 13051.2 and 13052.2 CG-S have special optics to guarantee the required illuminance of 5 lx vertically over a wide area. Hence mounting at heights of up to 5.6 m and a breadth of illumination of up to 2.8 m are possible.

Engineering help, GuideLed SL 13051.2 and 13052.2 CG-S



GuideLed SL 13051.2, 13052.2 CG-S

Safety Luminaires for Escape Route Lighting



GuideLed SL 13051.2, 13052.2 CG-S

- Safety luminaire in LED technology for recessed and ceiling surface-mounting
- Special asymmetric optics for illumination of 5 lx vertically for first aid stations, fire fighting equipment and safety equipment acc. to EN 1838
- Suitable for mounting heights up to 5.7 m above the illuminated equipment
- The illuminated area has a width of up to 2.8 m.
- Minimum service requirement due to high service life of the LEDs (up to 100.000 hours)

GuideLed SL 13051.2 CG-S



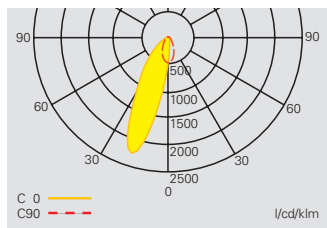
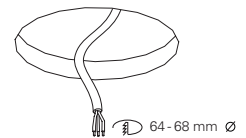
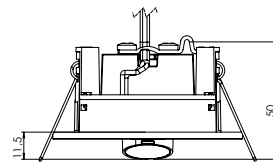
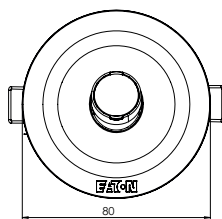
with optional square bezel

Luminous flux Φ_N	320 lm
Luminous flux Φ_E/Φ_N at end of rated operating time	100%
Housing material	Polycarbonate, aluminium
Housing colour	White, similar to RAL 9016
Weight	SL 13051.2: 0.25 kg; SL 13052.2: 0.33 kg
Type of mounting	Ceiling recessed / surface mounted
Terminals	2 x 3 x 2.5 mm ²
Connection voltage	220 – 240 V AC. 50/60 Hz 176 – 275 V DC
Current consumption- battery operation (220 V)	20 mA
Power consumption mains operation (apparent power/effective power)	8.0 VA / 3.9 W
Inrush current	1.5 A
Permissible ambient temperature	-20 °C to +40 °C
Light source	HighPower LED 1 x 2.2 W (4000 K / CRI 70)

Ordering details

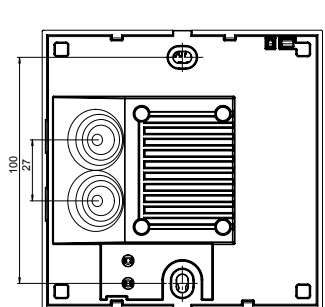
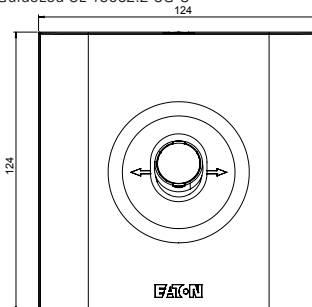
Type	Scope of supply	Order No.
GuideLed SL 13051.2 CG-S	GuideLed SL 13051.2 CG-S, round recessed mounting luminaire, with asymmetric optics for 5 lx vertical illuminance, 4000 K, LED-Supply and CG-S technology (20 addresses) in a enclosure with strain relief	40071356728
GuideLed SL 13052.2 CG-S	GuideLed SL 13052.2 CG-S, square surface mounting luminaire, with asymmetric optics for 5 lx vertical illuminance, 4000 K, including LED-Supply and CG-S technology (20 addresses)	40071356729
Square bezel	Square bezel GuideLed SL 130x1.x CG-S	40071354488

GuideLed SL 13051.2 CG-S

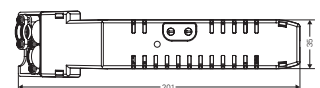
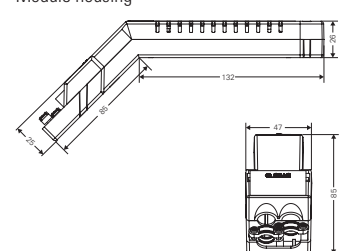


Light distribution curve
GuideLed SL 13052.2 CG-S

GuideLed SL 13052.2 CG-S



Module housing



*1 GuideLed SL 13052.2 CG-S

*2 GuideLed SL 13051.2 CG-S

*3 GuideLed SL 13051.2 CG-S:
(Once installed in the ceiling, the luminaire face is rated IP41
Degree of protection of the module housing: IP20)