

GuideLed

Pathbreaking

 **COOPER** Safety



Three-chip LEDs for increased safety.

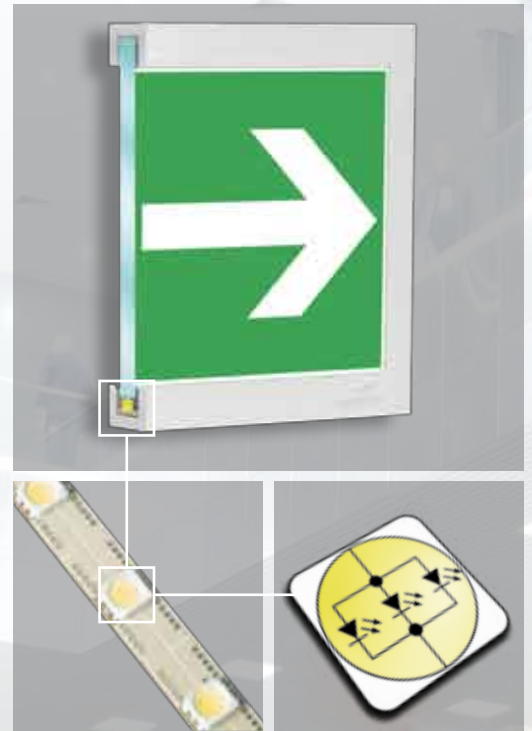
Longevity, immediate start, high efficiency and small shapes - on account of these properties LEDs are especially suited for use in emergency and safety lighting systems. However, it is only the precise harmonisation of low temperature and low operating current that guarantees a high light efficiency at maximum service life.

Up to 48 LEDs optimally illuminate the pictogram of GuideLed. Three LEDs each are located in a joint encapsulated housing and form a point of light.

If one of the three LEDs fails, the intact LEDs shine correspondingly brighter. This ensures excellent lighting for an especially long time.

Lightguide technology for perfect illumination

The highly developed Lightguide technology converts the concentrated light density of the LED into an absolutely uniformly and bright surface with over 500 cd/m² luminance in the white area. In this way the exit sign always stays well visible even in case of bad visibility or light surroundings.



Despite the very good photometric values, the new Lightguide technology with its especially efficient LEDs uses up to 70 per cent less energy compared to the previous exit sign luminaires using fluorescent lamps.

Photometric requirements on the exit signs

DIN 4844-1 (2005-05) and ISO 3864-1 (2002):
 $L_m \geq 500 \text{ cd/m}^2$ (white surface)
 for use in light surroundings.

ISO 30061 (2007):
 $L_{min} = 10 \text{ cd/m}^2$ (green surface)
 in case of smoke development. The luminaires should be suspended by at least 0.5 m.







The versatile types of installation turn the GuideLed into an all-rounder.

With its extensive range of products and a large choice of pictograms, GuideLed offers the perfect solution for every room situation. GuideLed is supplied in an unobtrusive light-grey colour as a standard.

Upon request other colours as well as individual special pictograms can be supplied harmonised to the respective architecture.

All variants are available in two viewing distances (according to standards EN 1838 and DIN 4844-1)

20m 30m



Wall mounting with recessed installation of the LED supply



Wall surface mounting



Ceiling mounting



Exemplary design based on revolutionary technology.

Exit signs have to be well visible in order to provide orientation in case of an emergency. And, they have to be unobtrusively enough to match the architecture.

Irrespective of whether the luminaire is installed to the wall or is suspended freely, both GuideLed variants stand out for their clear functionality without visible screw connections and their unsurpassed flat design.



The wall mounting appears especially unobtrusive with a mounting height of only 14 mm.



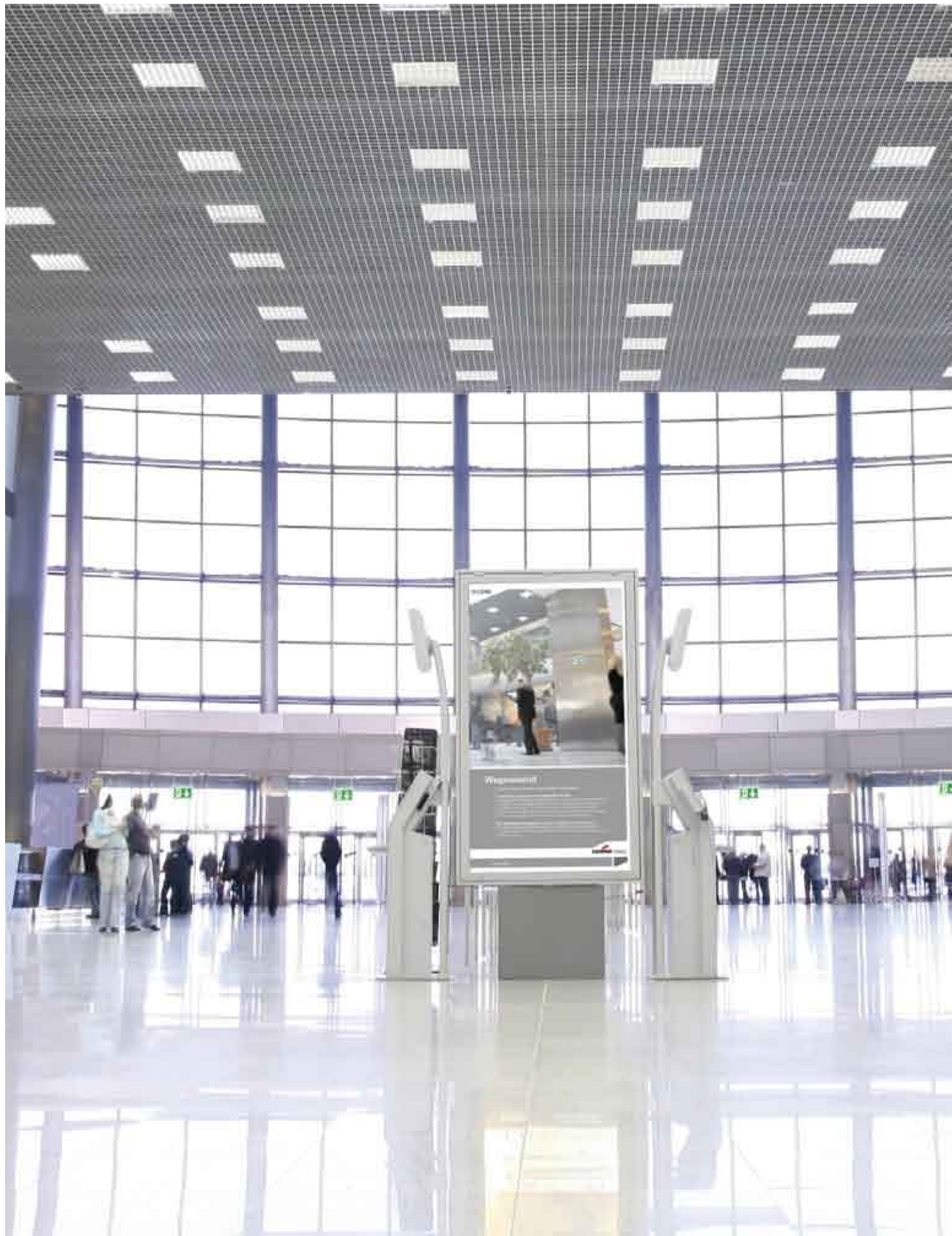
Rope suspension



Pendant mounting



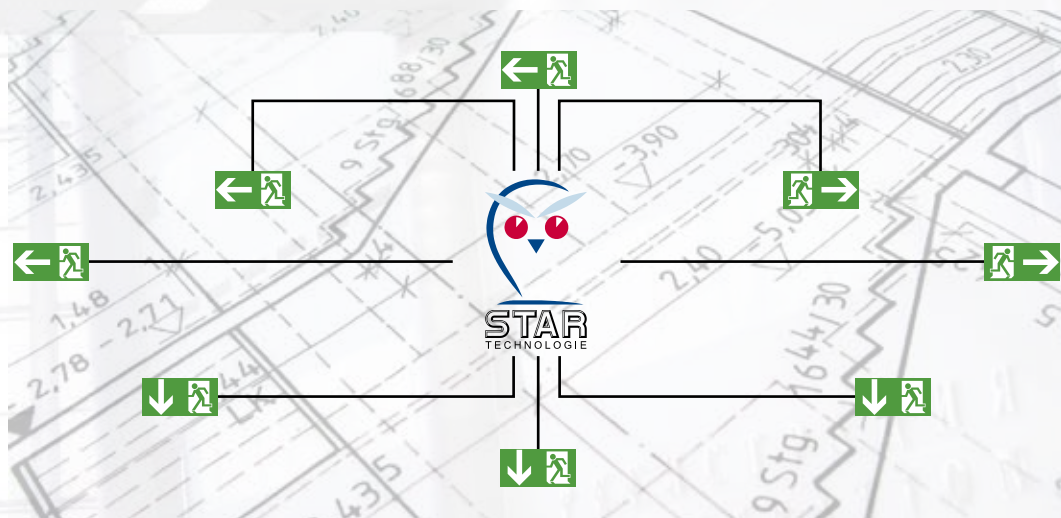
Recessed mounting



Standard STAR technology

CEAG STAR technology permits freely programmable mixed operation of the switching modes (maintained light, switched maintained light and non-maintained light) in one electricity circuit without additional data lines. This ensures shorter cable lengths, reduces the installation costs and decreases potential fire load.

Of course, allocation of all modes of operation is also possible subsequently - without intervention in the luminaire installation - which thus permits easy planning without having to define the modes of operation. The automatic CEWA GUARD function monitoring system for up to twenty luminaires for each electricity circuit reduces the inspection outlay.



Modular design and simple installation

The modular construction and snap-on connections reduce the installation work considerably. A work process in two steps has proved expedient :

First install the mounting set, connect the mains cable and set the address. When the building dust has settled down, connect the pictogram with the clamp terminals and simply snap on the mounting set - that's all.



Not only our pictograms are green.

The power consumption for a GuideLed exit sign luminaire is about 70 per cent below the consumption of previous luminaires with fluorescent lamps. Thus the consumption of the exit signs in operation is only about as high as the consumption of many electronic devices in stand-by operation. This is our contribution to environmental protection and economical use of valuable resources.



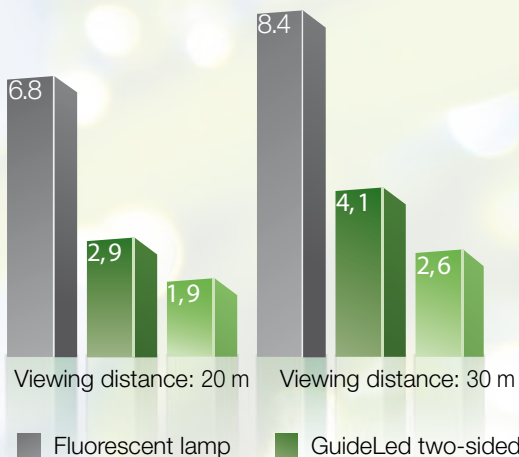
Servicing costs definitely saved

Fluorescent lamps used for safety lighting have typical service lives which results in the lamp having to be changed at least once a year depending on the operating times.

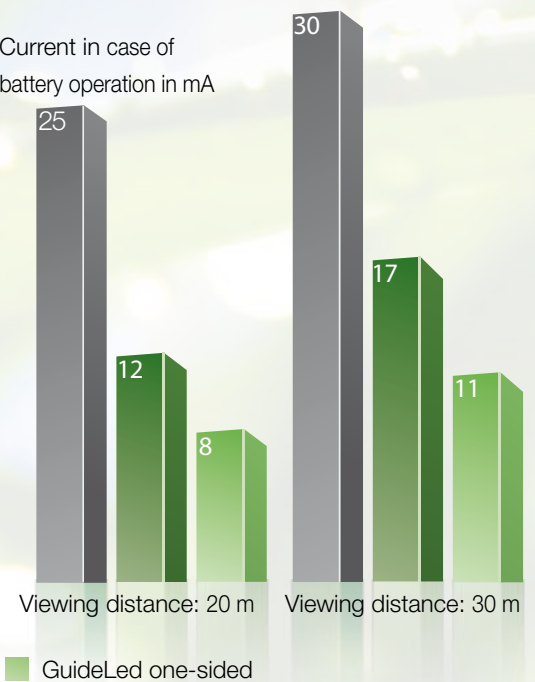
The service requirement is reduced considerably due to high service life of the LEDs (50,000 hours).



System effective power P_{sys} in W in case of mains operation



Current in case of battery operation in mA





Exemplary calculation - power consumption cost savings

Daily operating time	8 W lamp $P_{sys} = 8.4 \text{ W}$	GuideLed 30 m one-sided $P_{sys} = 2.6 \text{ W}$	GuideLed 30 m two-sided $P_{sys} = 4.1 \text{ W}$
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Annual consumption and costs* per luminaire

16 h	49 kWh 7.36 €	15 kWh 2.28 €	24 kWh 3.59 €
24 h	74 kWh 11.04 €	28 kWh 3.42 €	36 kWh 5.39 €

Annual costs* of an example project

	120 luminaires	84 GuideLeds**	36 GuideLeds**
16 h	883 €	191 €	129 €
24 h	1325 €	287 €	194 €

Annual Savings average saving per GuideLed

562 €	4.69 €
844 €	7.03 €

* in case of an electricity rate of 0.15 €/kWh
 ** Assumption: Project with 120 exit sign luminaires, thereof 70 per cent one-sided and 30 per cent two-sided.

+ the lamp replacement costs (material, working hours, travelling time) saved

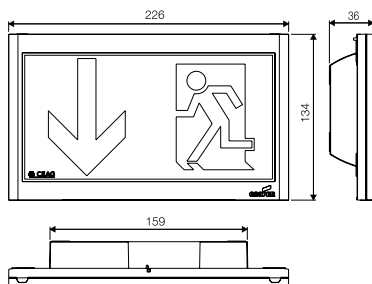
GuideLed CG-S wall mounting



- Exit sign luminaire in LED technology for wall mounting.
- Slender design with mounting heights of 14 mm or 36 mm only.
- Very good perceptibility on account of high luminance of the white contrasting colour > 500 cd/m² in keeping with standard ISO 3864-1 and high uniformity L_{min}/L_{max} > 0,8
- Increased safety by use of three-chip LEDs.
- Reduced battery costs on account of especially low power consumption.
- Low operating costs on account of low effective power of 1.9 W only.
- Minimum service requirement due to high service life of the LEDs (50 000 hours).
- Installation of the LED pictogram without tools on the mounting set.



Viewing distance:	20 m
Luminous flux Φ_e/Φ nominal at the end of the rated service time	100 %
Housing material	PC, PMMA
Housing colour	Light grey RAL 7035
Weight	0.47 kg (10011 LED CG-S) 0.41 kg (10012 LED CG-S)
Type of mounting	Wall mounting
Connection terminal	Clamp terminal 2.5 mm ² reverse polarity protected
Connection voltage	220-240 VAC, 50 Hz 176-275 VDC
Current consumption - battery operation	8 mA
Connected load - mains operation (apparent power / effective power)	4.0 VA / 1.9 W
Permissible ambient temperature	-20° Celsius to +40° Celsius
Lamp	LED batten with three-chip LEDs



Order data - fastening set

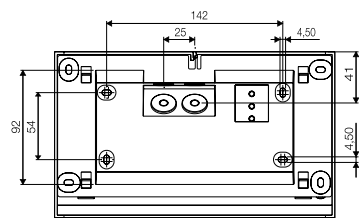
Scope of delivery	Order No.
Wall mounting set for GuideLed 10011 CG-S und 11011 CG-S, surface-mounted installation including LED supply and CG-S technology (20 addresses)	40071353641
Wall mounting set for GuideLed 10012 CG-S and 11012 CG-S, flush-mounted installation** of the LED supply provided and CG-S technology (20 addresses)	40071353642

Order data - LED pictograms*

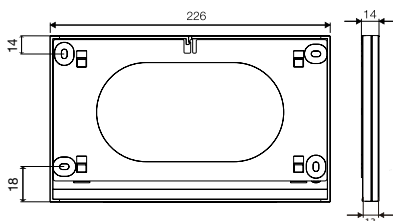
Scope of delivery	Order No.
LED pictogram PL for GuideLed 10011/10012 CG-S, DIN 4844, 20 m	40071353000
LED pictogram PR for GuideLed 10011/10012 CG-S, DIN 4844, 20 m	40071353001
LED pictogram PU for GuideLed 10011/10012 CG-S, DIN 4844, 20 m	40071353002
LED pictogram PL for GuideLed 10011/10012 CG-S, 20 m	40071353050
LED pictogram PR for GuideLed 10011/10012 CG-S, 20 m	40071353051
LED pictogram PU for GuideLed 10011/10012 CG-S, 20 m	40071353052

Order data - accessories

Scope of delivery	Order No.
Feed-through wiring set for GuideLed 10011/11011 CG-S	40071353643



10011 CG-S



10012 CG-S

Please observe a distance of 10mm above for mounting!

* Fastening set required

** Installation of the LED supply in a not included device, for example a double switchbox in keeping with German standard DIN 49073

GuideLed CG-S wall top installation

- Exit sign luminaire in LED technology for wall mounting.
- Slender design with mounting heights of 14 mm or 36 mm only.
- Very good perceptibility on account of high luminance of the white contrasting colour > 500 cd/m² in keeping with standard ISO 3864-1 and high uniformity Lmin/Lmax > 0,8
- Increased safety by use of three-chip LEDs.
- Reduced battery costs on account of especially low power consumption.
- Low operating costs on account of low effective power of 2.6 W only.
- Minimum service requirement due to high service life of the LEDs (50 000 hours).
- Installation of the LED pictogram without tools on the mounting set.



Viewing distance:	30 m
Luminous flux Φ_e/Φ nominal at the end of the rated service time	100 %
Housing material	PC, PMMA
Housing colour	Light grey RAL 7035
Weight	0.60 kg (11011 LED CG-S) 0.56 kg (11012 LED CG-S)
Type of mounting	Wall top installation
Connection terminal	Clamp terminal 2.5 mm ² reverse polarity protected
Connection voltage	220-240 VAC, 50 Hz 176-275 VDC
Current consumption - battery operation	11 mA
Connected load - mains operation (apparent power / effective power)	5.0 VA / 2.6 W
Permissible ambient temperature	-20° Celsius to +40° Celsius
Lamp	LED batten with three-chip LEDs

Order data - fastening set

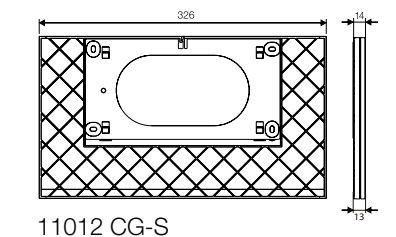
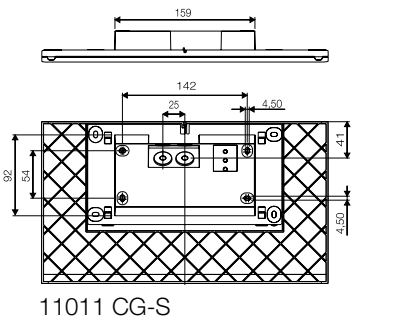
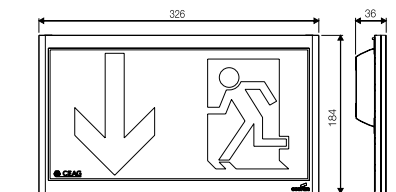
Scope of delivery	Order No.
Wall mounting set for GuideLed 10011 CG-S und 11011 CG-S, surface-mounted installation including LED supply and CG-S technology (20 addresses)	40071353641
Wall mounting set for GuideLed 10012 CG-S and 11012 CG-S, flush-mounted installation** of the LED supply and CG-S technology (20 addresses)	40071353642

Order data - LED pictograms*

Scope of delivery	Order No.
LED pictogram PL for GuideLed 11011/11012 CG-S, DIN 4844, 30 m	40071353100
LED pictogram PR for GuideLed 11011/11012 CG-S, DIN 4844, 30 m	40071353101
LED pictogram PU for GuideLed 11011/11012 CG-S, DIN 4844, 30 m	40071353102
LED pictogram PL for GuideLed 11011/11012 CG-S, 30 m	40071353150
LED pictogram PR for GuideLed 11011/11012 CG-S, 30 m	40071353151
LED pictogram PU for GuideLed 11011/11012 CG-S, 30 m	40071353152

Order data - accessories

Scope of delivery	Order No.
Feed-through wiring set for GuideLed 10011/11011 CG-S	40071353643



Please observe a distance of 10mm above for mounting!

* Fastening set required

** Installation of the LED supply in a not included device, for example a double switchbox in keeping with German standard DIN 49073

GuideLed CG-S ceiling mounting



- Exit sign panel luminaire in LED technology for ceiling installation.
- Slender design with pictogram width of only 12 mm
- Very good perceptibility on account of high luminance of the white contrasting colour > 500 cd/m² in keeping with standard ISO 3864-1 and high uniformity L_{min}/L_{max} > 0,8
- Increased safety by use of three-chip LEDs.
- Reduced battery costs on account of especially low power consumption.
- Low operating costs on account of low effective power of 2.9 W only. (1.9 W one-sided)
- Minimum service requirement due to high service life of the LEDs (50 000 hours).



GuideLed 10021 CG-S



GuideLed 10022 CG-S



GuideLed 10024 CG-S

Viewing distance:	20 m
Luminous flux Φ_e/Φ nominal at the end of the rated service time	100 %
Housing material	PC, PMMA
Housing colour	Light grey RAL 7035
Weight	0.39 kg (10021 LED CG-S) 0.49 kg (10022 LED CG-S) 0.54 kg (10023 LED CG-S) 0.70 kg (10024 LED CG-S)
Type of mounting	Ceiling, suspended, recessed installation
Connection terminal	Clamp terminal 2.5 mm ² reverse polarity protected
Connection voltage	220-240 VAC, 50 Hz 176-275 VDC
Current consumption - battery operation	one-sided 8 mA two-sided 12 mA
Connected load - mains operation (apparent power / effective power)	one-sided 4.0 VA / 1.9 W two-sided 5.5 VA / 2.9 W
Permissible ambient temperature	-20° Celsius to +40° Celsius
Lamp	LED batten with three-chip LEDs

Order data - fastening set

Scope of delivery	Order No.
Ceiling installation set for GuideLed 10021 CG-S with canopy including LED supply and CG-S technology (20 addresses)	40071353610
Ceiling installation set for GuideLed 10022 CG-S with canopy and tube suspension 0.5 m including LED supply and CG-S technology (20 addresses)	40071353611
Ceiling installation set for GuideLed 10023 CG-S with canopy and tube suspension 1.5 m including LED supply and CG-S technology (20 addresses)	40071353612
Ceiling installation set for GuideLed 10024 CG-S including recessed installation housing including LED supply and CG-S technology (20 addresses)	40071353613















Order data - accessories

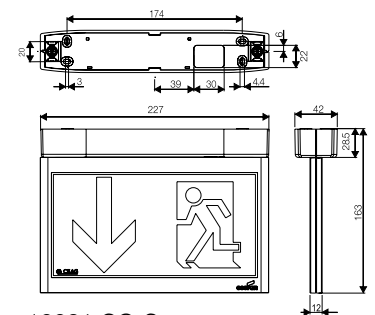
Scope of delivery	Order No.
Concrete installation box for GuideLed 10024 CG-S, 20 m*	40071352892

* Ceiling mounting set for GuideLed 10024 and concrete installation box corresponding to protection class I

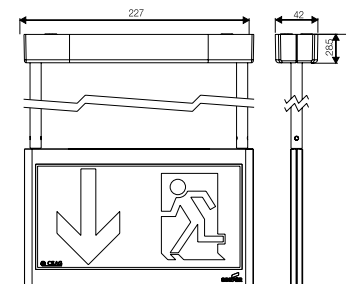
GuideLed CG-S ceiling mounting

Order data - LED pictograms*

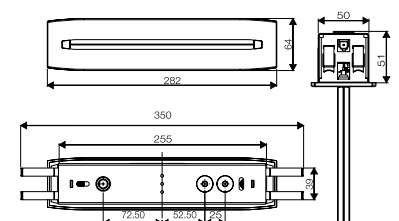
Scope of delivery		Order No.
LED pictogram PL/PR, for GuideLed 10021/10022/10023/10024 CG-S, DIN 4844, 20 m		40071353200
LED pictogram PU/PU, for GuideLed 10021/10022/10023/10024 CG-S, DIN 4844, 20 m		40071353201
LED pictogram PL/BL, for GuideLed 10021/10022/10023/10024 CG-S, DIN 4844, 20 m		40071353202
LED pictogram PR/BL, for GuideLed 10021/10022/10023/10024 CG-S, DIN 4844, 20 m		40071353203
LED pictogram PU/BL, for GuideLed 10021/10022/10023/10024 CG-S, DIN 4844, 20 m		40071353204
LED pictogram PL/PR-R, for GuideLed 10021/10022/10023/10024 CG-S, DIN 4844, 20 m		40071353205
LED pictogram PL/PR-W, for GuideLed 10021/10022/10023/10024 CG-S, DIN 4844, 20 m		40071353206
LED pictogram PL/PR, for GuideLed 10021/10022/10023/10024 CG-S, 20 m		40071353250
LED pictogram PU/PU, for GuideLed 10021/10022/10023/10024 CG-S, 20 m		40071353251
LED pictogram PL/BL, for GuideLed 10021/10022/10023/10024 CG-S, 20 m		40071353252
LED pictogram PR/BL, for GuideLed 10021/10022/10023/10024 CG-S, 20 m		40071353253
LED pictogram PU/BL, for GuideLed 10021/10022/10023/10024 CG-S, 20 m		40071353254
LED pictogram PL/PR-R, for GuideLed 10021/10022/10023/10024 CG-S, 20 m		40071353255
LED pictogram PL/PR-W, for GuideLed 10021/10022/10023/10024 CG-S, 20 m		40071353256



10021 CG-S



10022 / 10023 CG-S



10024 CG-S

* Fastening set required

GuideLed CG-S ceiling mounting



- Exit sign panel luminaire in LED technology for ceiling installation.
- Slender design with pictogram width of only 12 mm
- Very good perceptibility on account of high luminance of the white contrasting colour > 500 cd/m² in keeping with standard ISO 3864-1 and high uniformity L_{min}/L_{max} > 0,8
- Increased safety by use of three-chip LEDs.
- Reduced battery costs on account of especially low power consumption.
- Low operating costs on account of low effective power of 4.1 W only. (2.6 W one-sided, radiating)
- Minimum service requirement due to high service life of the LEDs (50 000 hours).



GuideLed 11021 CG-S



GuideLed 11022 CG-S



GuideLed 11024 CG-S

Viewing distance:	30 m
Luminous flux Φ_e/Φ nominal at the end of the rated service time	100 %
Housing material	PC, PMMA
Housing colour	Light grey RAL 7035
Weight	0.79 kg (11021 LED CG-S) 0.94 kg (11022 LED CG-S) 0.99 kg (11023 LED CG-S) 1.22 kg (11024 LED CG-S)
Type of mounting	Ceiling, suspended, recessed installation
Connection terminal	Clamp terminal 2.5 mm ² reverse polarity protected
Connection voltage	220-240 VAC, 50 Hz 176-275 VDC
Current consumption - battery operation	one-sided 11 mA two-sided 17 mA
Connected load - mains operation (apparent power / effective power)	one-sided 5.0 VA / 2.6 W two-sided 7.1 VA / 4.1 W
Permissible ambient temperature	-20° Celsius to +40° Celsius
Lamp	LED batten with three-chip LEDs

Order data - fastening set

Scope of delivery	Order No.
Ceiling installation set for GuideLed 11021 CG-S with canopy including LED supply and CG-S technology (twenty addresses)	40071353620
Ceiling installation set for GuideLed 11022 CG-S with canopy and tube suspension 0.5 m including LED supply and CG-S technology (20 addresses)	40071353621
Ceiling installation set for GuideLed 11023 CG-S with canopy and tube suspension 1.5 m including LED supply and CG-S technology (20 addresses)	40071353622
Ceiling installation set for GuideLed 11024 CG-S including recessed installation housing including LED supply and CG-S technology (20 addresses)	40071353623















Order data - accessories

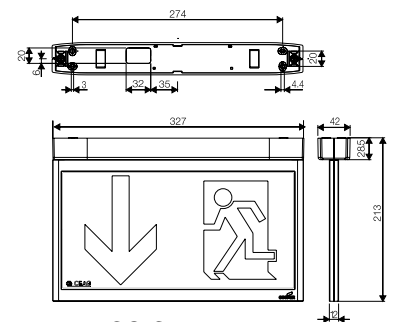
Scope of delivery	Order No.
Concrete installation box for GuideLed 11024 CG-S, 30 m*	40071352893

* Ceiling mounting set for GuideLed 11024 and concrete installation box corresponding to class of protection I

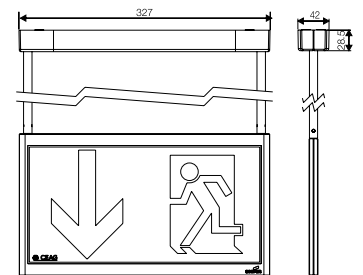
GuideLed CG-S ceiling mounting

Order data - LED pictograms*

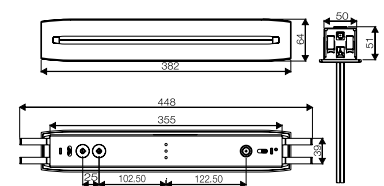
Scope of delivery		Order No.
LED pictogram PL/PR, for GuideLed 11021/11022/11023/11024 CG-S, DIN 4844, 30 m		40071353300
LED pictogram PU/PU, for GuideLed 11021/11022/11023/11024 CG-S, DIN 4844, 30 m		40071353301
LED pictogram PL/BL, for GuideLed 11021/11022/11023/11024 CG-S, DIN 4844, 30 m		40071353302
LED pictogram PR/BL, for GuideLed 11021/11022/11023/11024 CG-S, DIN 4844, 30 m		40071353303
LED pictogram PU/BL, for GuideLed 11021/11022/11023/11024 CG-S, DIN 4844, 30 m		40071353304
LED pictogram PL/PR-R, for GuideLed 11021/11022/11023/11024 CG-S, DIN 4844, 30 m		40071353305
LED pictogram PL/PR-W, for GuideLed 11021/11022/11023/11024 CG-S, DIN 4844, 30 m		40071353306
LED pictogram PL/PR, for GuideLed 11021/11022/11023/11024 CG-S, 30 m		40071353350
LED pictogram PU/PU, for GuideLed 11021/11022/11023/11024 CG-S, 30 m		40071353351
LED pictogram PL/BL, for GuideLed 11021/11022/11023/11024 CG-S, 30 m		40071353352
LED pictogram PR/BL, for GuideLed 11021/11022/11023/11024 CG-S, 30 m		40071353353
LED pictogram PU/BL, for GuideLed 11021/11022/11023/11024 CG-S, 30 m		40071353354
LED pictogram PL/PR-R, for GuideLed 11021/11022/11023/11024 CG-S, 30 m		40071353355
LED pictogram PL/PR-W, for GuideLed 11021/11022/11023/11024 CG-S, 30 m		40071353356



11021 CG-S



11022 / 11023 CG-S



11024 CG-S

* Fastening set required

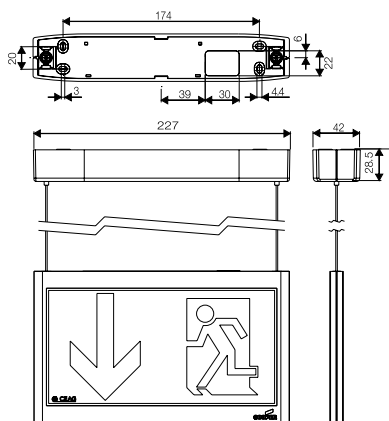
GuideLed CG-S ceiling mounting with rope



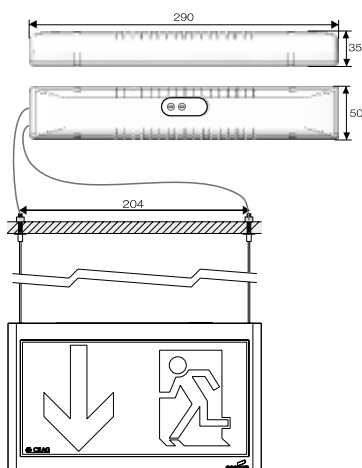
- Exit sign panel luminaire in LED technology for ceiling installation.
- Slender design with pictogram width of only 12 mm
- Very good perceptibility on account of high luminance of the white contrasting colour > 500 cd/m² in keeping with standard ISO 3864-1 and high uniformity L_{min}/L_{max} > 0,8
- Increased safety by use of three-chip LEDs.
- Reduced battery costs on account of especially low power consumption.
- Low operating costs on account of low effective power of 2.9 W only. (1.9 W one-sided)
- Minimum service requirement due to high service life of the LEDs (50 000 hours).



Viewing distance:	20 m
Luminous flux $\Phi_e / \Phi_{\text{nominal}}$ at the end of the rated service time	100 %
Housing material	PC, PMMA
Housing colour	Light grey RAL 7035
Weight	0.40 kg (10025 LED CG-S) 0.41 kg (10026 LED CG-S)
Type of mounting	Suspended installation
Connection terminal	Clamp terminal 2.5 mm ² reverse polarity protected
Connection voltage	220-240 VAC, 50 Hz 176-275 VDC
Current consumption - battery operation	one-sided 8 mA - two-sided 12 mA
Connected load - mains operation (apparent power / effective power)	one-sided 4.0 VA / 1.9 W two-sided 5.5 VA / 2.9 W
Permissible ambient temperature	-20° Celsius to +40° Celsius
Lamp	LED batten with three-chip LEDs



10025 CG-S



10026 CG-S

Order data - fastening set

Scope of delivery	Order No.
Rope installation set for GuideLed 10025 CG-S with LED supply and CG-S technology (20 addresses) integrated in the canopy	40071353609
Rope installation set for GuideLed 10026 /11026 CG-S with ceiling rope holder LED supply and CG-S technology (20 addresses) integrated in a housing with strain relief	40071353640

Order data - LED pictograms*

Scope of delivery	Order No.
LED pictogram PL/PR, for GuideLed 10025/10026 CG-S (rope installation), DIN 4844, 20 m	40071353400
LED pictogram PU/PU, for GuideLed 10025/10026 CG-S (rope installation), DIN 4844, 20 m	40071353401
LED pictogram PL/BL, for GuideLed 10025/10026 CG-S (rope installation), DIN 4844, 20 m	40071353402
LED pictogram PR/BL, for GuideLed 10025/10026 CG-S (rope installation), DIN 4844, 20 m	40071353403
LED pictogram PU/BL, for GuideLed 10025/10026 CG-S (rope installation), DIN 4844, 20 m	40071353404
LED pictogram PL/PR, for GuideLed 10025/10026 CG-S (rope installation), 20 m	40071353450
LED pictogram PU/PU, for GuideLed 10025/10026 CG-S (rope installation), 20 m	40071353451
LED pictogram PL/BL, for GuideLed 10025/10026 CG-S (rope installation), 20 m	40071353452
LED pictogram PR/BL, for GuideLed 10025/10026 CG-S (rope installation), 20 m	40071353453
LED pictogram PU/BL, for GuideLed 10025/10026 CG-S (rope installation), 20 m	40071353454

* Fastening set required

GuideLed 10011 CG-S ceiling installation with rope











- Exit sign panel luminaire in LED technology for ceiling installation.
- Slender design with pictogram width of only 12 mm
- Very good perceptibility on account of high luminance of the white contrasting colour > 500 cd/m² in keeping with standard ISO 3864-1 and high uniformity L_{min}/L_{max} > 0,8
- Increased safety by use of three-chip LEDs.
- Reduced battery costs on account of especially low power consumption.
- Low operating costs on account of low effective power of 2.9 W only. (1.9 W one-sided, radiating)
- Minimum service requirement due to high service life of the LEDs (50 000 hours).

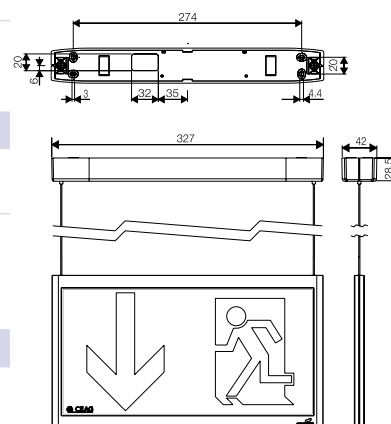
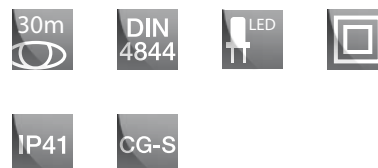
Viewing distance:	30 m
Luminous flux Φ_e / Φ nominal at the end of the rated service time	100 %
Housing material	PC, PMMA
Housing colour	Light grey RAL 7035
Weight	0.81 kg (11025 LED CG-S) 0.82 kg (11026 LED CG-S)
Type of mounting	Suspended installation
Connection terminal	Clamp terminal 2.5 mm ² reverse polarity protected
Connection voltage	220-240 VAC, 50 Hz 176-275 VDC
Current consumption - battery operation	one-sided 11 mA – two-sided 17 mA
Connected load - mains operation (apparent power / effective power)	one-sided 5.0 VA / 2.6 W two-sided 7.1 VA / 4.1 W
Permissible ambient temperature	-20° Celsius to +40° Celsius
Lamp	LED batten with three-chip LEDs

Order data - fastening set

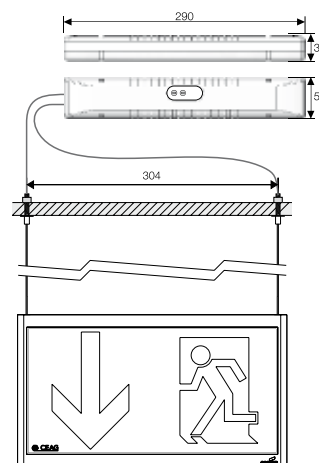
Scope of delivery	Order No.
Rope installation set for GuideLed 11025 CG-S with LED supply and CG-S technology (20 addresses) integrated in the canopy	40071353619
Rope installation set for GuideLed 10026 /11026 CG-S with ceiling rope holder LED supply and CG-S technology (20 addresses) integrated in a housing with strain relief	40071353640

Order data - LED pictograms*

Scope of delivery	Order No.
LED pictogram PL/PR, for GuideLed 11025/11026 CG-S (rope installation), DIN 4844, 30 m	 40071353500
LED pictogram PU/PU, for GuideLed 11025/11026 CG-S (rope installation), DIN 4844, 30 m	 40071353501
LED pictogram PL/BL, for GuideLed 11025/11026 CG-S (rope installation), DIN 4844, 30 m	 40071353502
LED pictogram PR/BL, for GuideLed 11025/11026 CG-S (rope installation), DIN 4844, 30 m	 40071353503
LED pictogram PU/BL, for GuideLed 11025/11026 CG-S (rope installation), DIN 4844, 30 m	 40071353504
LED pictogram PL/PR, for GuideLed 11025/11026 CG-S (rope installation), 30 m	 40071353550
LED pictogram PU/PU, for GuideLed 11025/11026 CG-S (rope installation), 30 m	 40071353551
LED pictogram PL/BL, for GuideLed 11025/11026 CG-S (rope installation), 30 m	 40071353552
LED pictogram PR/BL, for GuideLed 11025/11026 CG-S (rope installation), 30 m	 40071353553
LED pictogram PU/BL, for GuideLed 11025/11026 CG-S (rope installation), 30 m	 40071353554



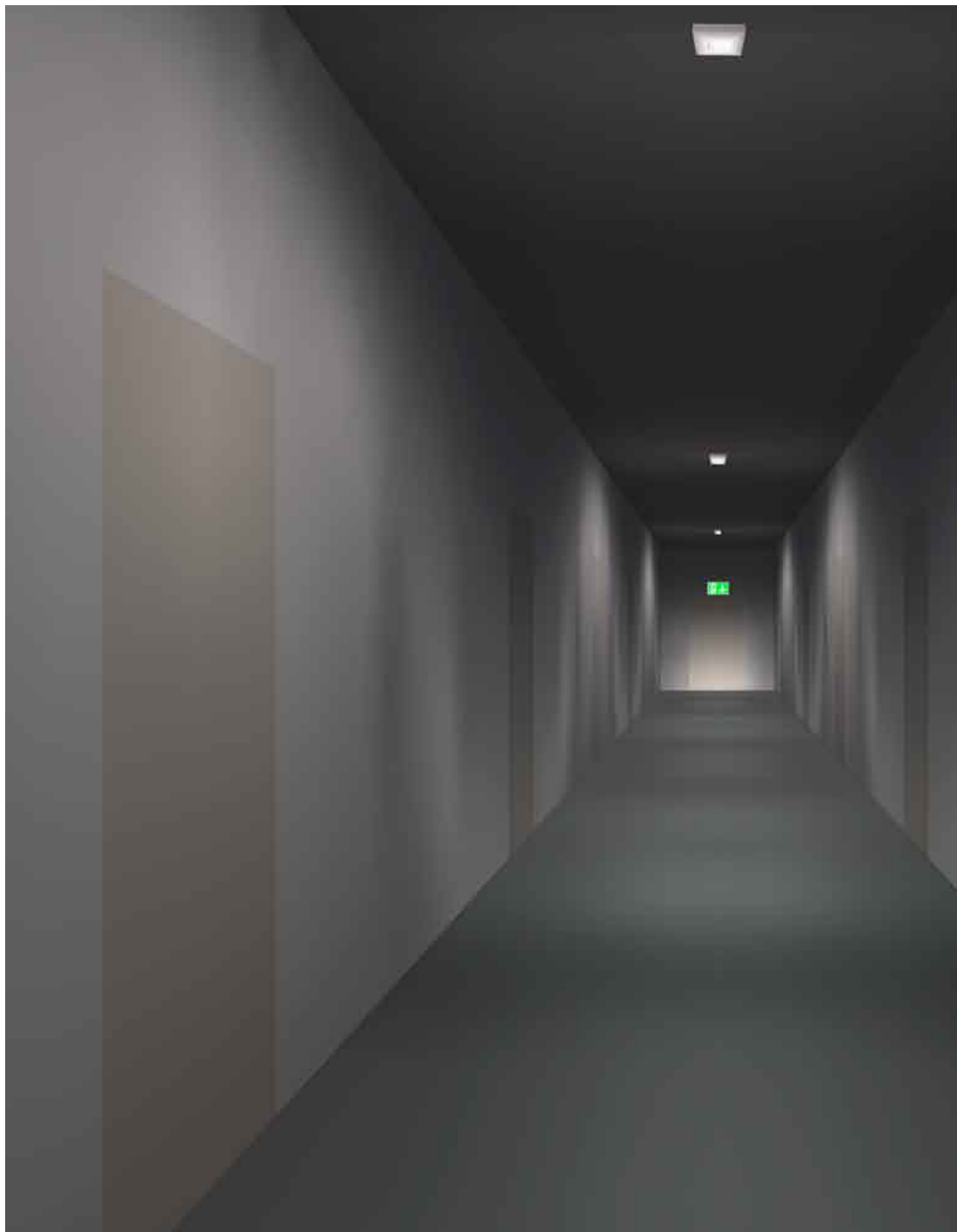
11025 CG-S



11026 CG-S

* Fastening set required

Safety luminaires



Three design variants

There are three safety luminaires suitable for the design concept of the GuideLed exit luminaires:

With its 1.5 mm high frame, the GuideLed built-in variant is almost flush with the ceiling.

On account to the radii oriented to the main direction, the surface mounted variant GuideLed SL is inconspicuous with its 30 mm in height. The refractive optics and reflectors have been integrated in the luminaires unobtrusively in both variants.

The extremely flat GuideLed FSL stands out for its lightguide technology, highly precise micro-prism optics and an especially uniform anti-glare shielded light exit surface.



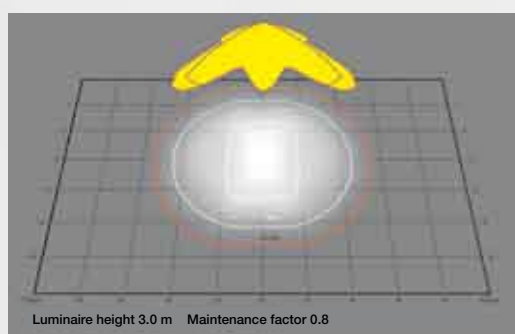
Special refractive optics

GuideLed SL comes in two light distributions harmonised precisely to the requirements of safety illumination. The refractive optics guide the light either longitudinally along the escape route or uniformly across the surface.

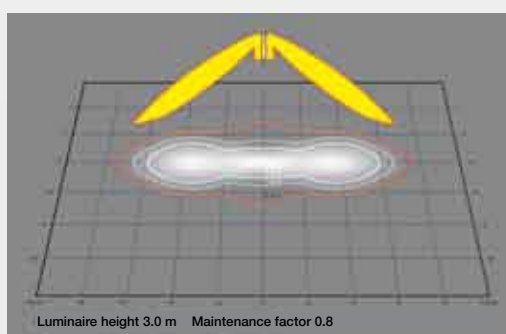
High optical power

Despite their small structural shapes, the new CEAG LED safety luminaires are on one level with the fluorescent lamps with a much higher wattage. At a mounting height of 3 m, luminaire spacings of up to 15 m and/or maximum mounting heights up to 9 m can be realised.

Light distribution for open area illumination



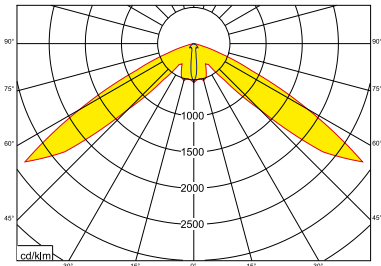
Light distribution for escape route illumination



GuideLed SL CG-S recessed mounting



- Safety luminaire in LED technology for recessed mounting.
- Low installation depth of only 36 mm.
- Almost flush appearance on the ceiling ensured by optics integrated in the luminaire.
- High spacing by double optics technology and highly efficient HighPower LEDs.
- Up to 29 m from luminaire to luminaire with optics for escape route illumination.
- Up to 13 m from luminaire to luminaire with optics for open area illumination.
- Minimum service requirement due to high service life of the LEDs (50 000 hours).

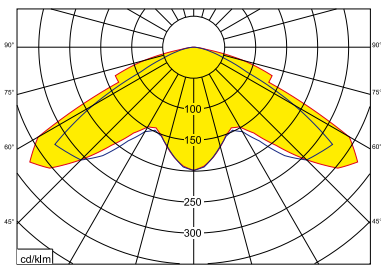


GuideLed SL 13011 CG-S recessed installation with asymmetric optics

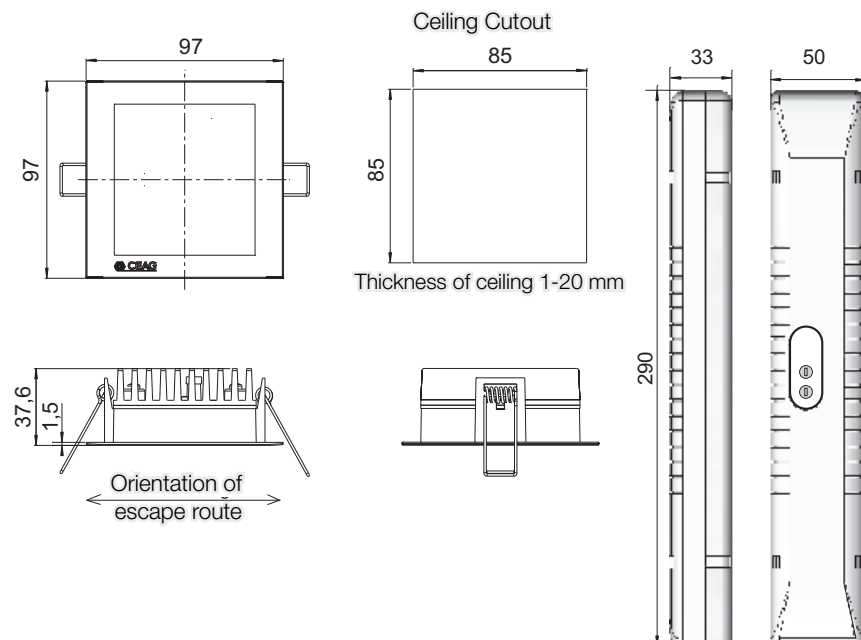
Luminous flux Φ_e / Φ nominal at the end of the rated service time	100%
Housing material	PC, PMMA, aluminium
Housing colour	White RAL 9010
Weight	0.44 kg
Type of mounting	Recessed mounting
Connection terminal	Clamp terminal 2.5 mm ²
Voltage ranges	220-240 VAC, 50 Hz 176-275 VDC
Current consumption - battery operation	21.5 mA
Connected load - mains operation (apparent power / effective power)	8.5 VA / 5.0 W
Permissible ambient temperature	-20° Celsius to +40° Celsius
Lamp	HighPower LEDs 2 x 2 W

Order data

Scope of delivery	Order No.
GuideLed SL 13011 CG-S recessed mounting with asymmetric optics for escape route illumination, LED supply and CG-S technology (20 addresses) in housing with strain relief	40071353570
GuideLed SL 13021 CG-S recessed mounting with symmetric optics for anti-panic / open area illumination, LED supply and CG-S technology (20 addresses) in housing with strain relief	40071353571



GuideLed SL 13021 CG-S recessed installation with symmetric optics



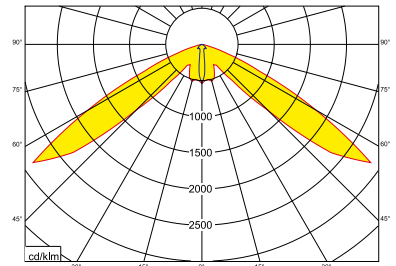
GuideLed SL CG-S surface mounting



- Safety luminaire in LED technology for surface mounting.
- Low profile of only 30 mm.
- Unobtrusive appearance ensured by optics integrated in the luminaire.
- High spacing by double optics technology and highly efficient HighPower LEDs.
- Up to 29 m from luminaire to luminaire with optics for escape route illumination.
- Up to 13 m from luminaire to luminaire with optics for open area illumination.
- Minimum service requirement due to high service life of the LEDs (50 000 hours).



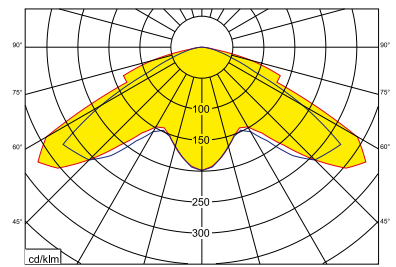
Luminous flux Φ_e/Φ nominal at the end of the rated service time	100%
Housing material	PC, PMMA, aluminium
Housing colour	White RAL 9010
Weight	0.43 kg
Type of mounting	Surface mounting
Connection terminal	Clamp terminal 2.5 mm ²
Voltage ranges	220-240 VAC, 50 Hz 176-275 VDC
Current consumption - battery operation	21.5 mA
Connected load - mains operation (apparent power / effective power)	8.5 VA / 5.0 W
Permissible ambient temperature	-20° Celsius to +40° Celsius
Lamp	HighPower LEDs 2 x 2 W



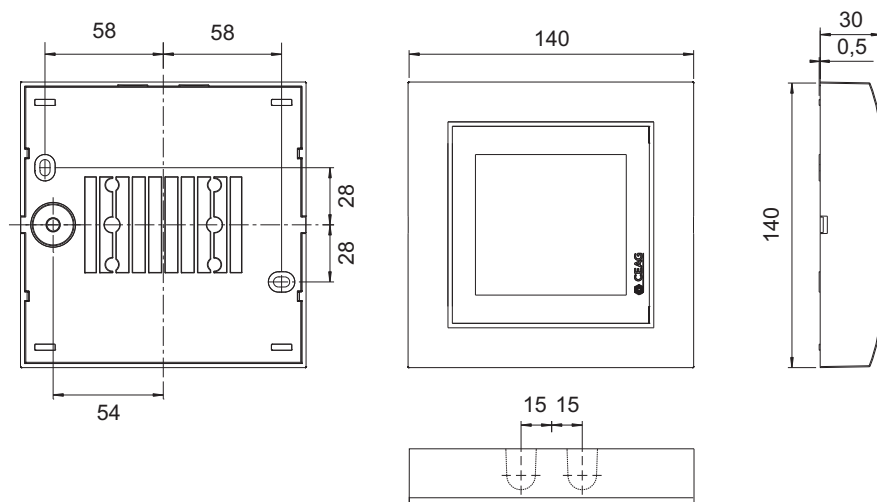
GuideLed SL 13012 CG-S surface mounting with asymmetric optics

Order data

Scope of delivery	Order No.
GuideLed SL 13012 CG-S surface mounting with asymmetric optics for escape route illumination including LED supply and CG-S technology (20 addresses)	40071353580
GuideLed SL 13022 CG-S surface mounting with symmetric optics for anti-panic / open area illumination including LED supply and CG-S technology (20 addresses)	40071353581

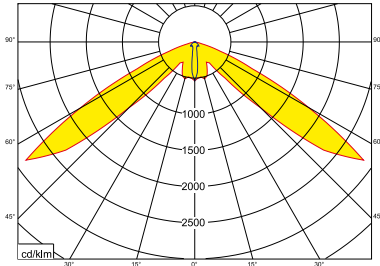
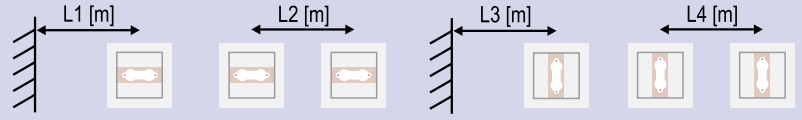


GuideLed SL 13022 CG-S surface mounting with symmetric optics



Orientation of escape route

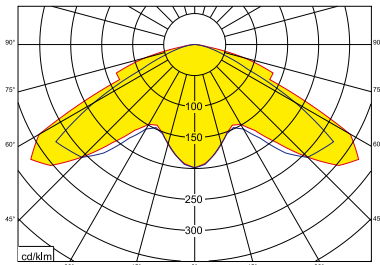
GuideLed SL CG-S



Escape route illumination with asymmetric optics.

Planning assistance for GuideLed SL CG-S with asymmetric optics for Escape route illumination

Mounting height [m]	1,0 lx	0.5 lx	1.0 lx	0.5 lx	1.0 lx	0.5 lx	1.0 lx	0.5 lx
2.50	1.60	3.00	5.80	7.40	5.90	6.60	13.20	14.80
3.00	1.40	3.00	6.00	7.90	6.60	7.50	15.00	16.70
3.50	1.30	2.30	4.50	8.20	7.40	8.30	16.60	18.60
4.00	1.20	2.00	3.90	8.40	8.10	9.10	18.00	20.40
4.50	1.20	1.80	3.40	7.40	8.80	9.70	19.40	22.10
5.00	1.20	1.80	3.20	6.30	9.40	10.50	20.90	23.60
5.50	1.20	1.80	3.00	5.70	10.00	11.20	22.40	25.10
6.00	1.20	1.70	3.10	5.20	10.60	11.90	23.80	26.50
6.50	1.10	1.70	3.10	4.70	3.60	12.60	25.10	27.80
7.00	1.10	1.80	3.10	4.60	3.50	13.20	26.40	29.40
7.50	1.10	1.70	3.00	4.40	3.40	13.80	27.60	30.90
8.00	1.00	1.70	2.90	4.30	3.30	14.40	28.70	32.30
8.50	1.00	1.60	2.90	4.30	3.20	15.00	29.80	33.70



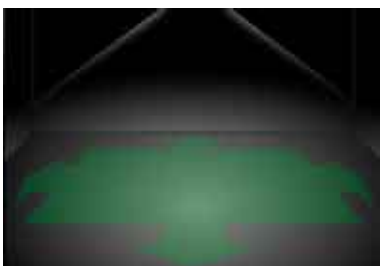
Escape route illumination with symmetric optics.

Planning assistance for GuideLed SL CG-S with symmetric optics for Escape route illumination

2.50	3.80	4.40	8.80	10.00	4.20	4.90	9.80	11.30
3.00	4.10	4.90	9.90	11.30	4.60	5.50	10.90	12.50
3.50	4.10	5.40	10.70	12.30	4.70	5.90	11.80	13.80
4.00	3.70	5.80	11.50	13.40	4.30	6.30	12.50	14.90
4.50	2.00	5.80	11.50	14.30	1.90	6.60	13.10	15.90
5.00	1.40	5.70	11.30	15.20	1.50	6.60	13.10	16.80
5.50	0.90	5.40	10.70	16.00	0.90	6.30	12.50	17.50
6.00	1.30	4.20	6.80	16.30	1.90	3.20	6.20	18.10
6.50	1.40	2.60	5.00	16.30	1.60	2.60	5.00	18.60
7.00	0.70	2.10	3.90	16.10	0.40	2.10	4.10	18.50

Open area illumination

2.50	3.50	4.40	8.20	9.60	3.40	4.50	8.20	9.00
3.00	3.40	4.40	9.20	11.00	4.50	4.50	9.00	10.00
3.50	3.40	4.40	10.00	11.60	4.50	5.50	9.80	11.40
4.00	3.40	4.40	10.60	12.40	4.50	5.50	10.60	12.60
4.50	1.40	5.40	11.40	13.40	2.50	5.50	11.20	13.40
5.00	1.50	5.40	11.40	14.20	1.40	5.50	12.40	14.20
5.50	1.00	5.40	11.00	15.00	1.00	5.50	13.60	14.80
6.00	0.70	2.40	10.40	15.40	0.70	3.50	13.40	15.60
6.50	0.70	2.40	10.40	16.20	0.70	2.50	11.40	16.20
7.00	0.70	1.90	9.40	16.60	0.70	1.90	10.60	16.80



Open area illumination with symmetric optics.

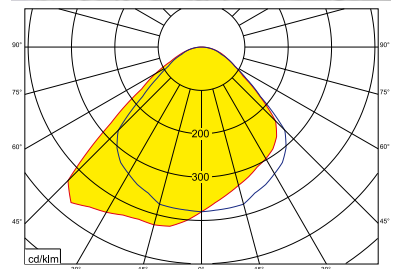
GuideLed FSL CG-S



- Safety luminaire in LED technology for surface mounting or semi-recessed mounting
- Low height of only 36 mm or 14 mm
- Anti-glare illumination ensured by precise micro-prism optics.
- Increased safety by use of three-chip LEDs.
- Reduced battery costs on account of especially low power consumption.
- Low operating costs on account of low effective power of 4 W only.
- To be used up to a light spot height of up to 5.5 m.
- Minimum service requirement due to high service life of the LEDs (50 000 hours).
- Installation of safety luminaire without the use of tools at the mounting set.



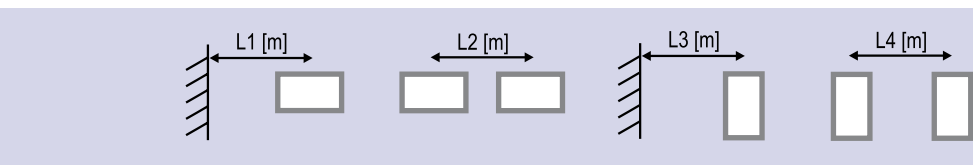
IP41



Luminous flux $\Phi_e / \Phi_{\text{nominal}}$ at the end of the rated service time	100%
Housing material	PC, PMMA
Housing colour	Light grey RAL 7035
Weight	0.49 kg (10011 FSL CG-S) 0.45 kg (10012 FSL CG-S)
Type of mounting	Ceiling installation / semi-recessed installation
Connection terminal	Clamp terminal 2.5 mm ²
Voltage ranges	220-240 VAC, 50 Hz 176-275 VDC
Current consumption - battery operation	18 mA
Connected load - mains operation (apparent power / effective power)	7.2 VA / 4.0 W
Permissible ambient temperature	-20° Celsius to +40° Celsius
Lamp	LED batten with three-chip LEDs

Order data

Scope of delivery	Order No.
Mounting set for GuideLed FSL 10011 CG-S, surface installation, including LED supply and CG-S technology (20 addresses)	40071353641
Mounting set for GuideLed FSL 10012 CG-S, recessed installation of the LED supply and CG-S technology (20 addresses) *	40071353642
LED safety luminaire GuideLed FSL 10011 / 10012 CG-S with special micro-prism optics (without mounting set)	40071353590



Planning assistance for GuideLed FSL, escape route illumination

Mounting height [m]	1,0 lx	0.5 lx	1.0 lx	0.5 lx	1.0 lx	0.5 lx	1.0 lx	0.5 lx
2.50	2.70	3.20	6.40	7.60	2.80	3.40	6.60	8.00
3.00	2.90	3.50	6.90	8.30	3.10	3.70	7.40	8.70
3.50	3.00	3.80	7.60	9.00	3.30	4.00	8.00	9.40
4.00	2.90	4.10	8.10	9.60	3.20	4.30	8.60	10.10
4.50	2.60	4.20	8.30	10.20	2.90	4.60	9.10	10.80
5.00	2.30	4.20	8.30	10.80	2.40	4.70	9.30	11.40

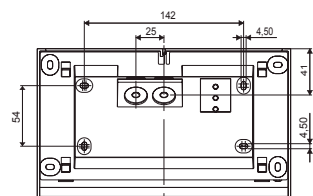
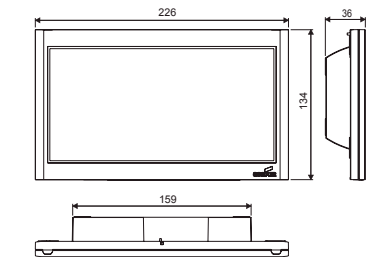
Open illumination

2.50	2.30	3.30	5.40	6.40	2.40	3.40	5.40	6.60
3.00	2.30	3.30	6.00	7.00	3.40	3.40	5.80	7.20
3.50	2.30	3.30	6.40	7.80	3.40	3.40	6.40	7.60
4.00	2.30	3.40	6.80	8.20	3.40	3.30	6.80	8.20
4.50	2.30	3.30	7.20	8.80	2.40	4.40	7.20	8.60
5.00	1.30	3.30	7.80	9.20	3.40	4.40	7.60	9.20

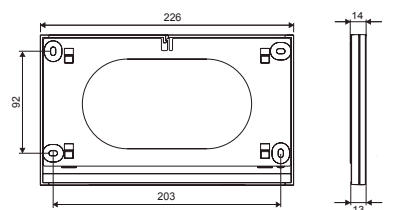
Measuring height 0.02 m, maintenance factor MF = 80 per cent, battery operation, spacings in m FSL 10012 CG-S

* Installation of the LED supply in a not included device, for example a double switchbox in keeping with German standard DIN 49073

GuideLed FSL CG-S



FSL 10011 CG-S



FSL 10012 CG-S

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