


Safety Instructions

- ❑ The module V-CG-SLS350 shall only be used for its intended purpose and in undamaged and perfect condition!
- ❑ When working on the electronic device make sure that it is disconnected from the voltage! Pay attention to the different power supplies in mains or battery operation.
- ❑ Observe the national safety rules and regulations for prevention of accidents as well as the safety instructions included in these operating instruction marked with 

Conformity with standards

Conforming to: EN 62 384,
EN 61 347-2-11 and EN 61 347-2-13.
Used for installation in luminaires of emergency lighting acc. to
EN 60 598-2-22 and for connection to safety lighting systems acc. to DIN VDE 0100-718, EN 50 172 and E DIN VDE 0108-100.
Developed, manufactured and tested acc. to ISO 9001.

Technical data

Primary side

Voltage: 220-240V, 50/60Hz
176 - 275 V DC

Standby power losses

for 230V/50Hz: <0.5W

Current input: 41mA (230 V AC)
26mA (220 V DC)

Power input: 9.4 VA (230 V AC)

Power factor λ : 0.6...0.7

Inrush current: ≤ 1.5 A

Operating frequency: 132 kHz

EEI: A2

Connecting terminals: Plug-in terminals
2.5mm²/reverse polarity protected

Secondary side

Output current: 350mA
(constant current)

Output voltage: 14.5 V DC
(open-circuit voltage)

Lamp load: 1-4 LEDs
(rated current
350mA, $U_L=3.3V$),
series connection

Output power: 4.62W max.

Connecting terminals: Plug-in terminals
1.5mm² / not
reverse-polarity
protected

Max. line length: 1m (Module-LED)

Type of mounting: to be mounted in
luminaires with protection category I or II

Degree of protection: IP20

Amb. temperature

range t_1 : -20 °C .. +50 °C

Max. permissible test point

temperature t_2 : 60°C

Dimensions

(H x L x VV): 21 x 110 x 30mm

Enclosure material: Flame retardant

colour polycarbonate/grey

Weight: 0.042 kg

Average design life = 50,000h

(t_2/t_1 max. and a failure rate of $\leq 0.2\%$
pro 1,000h)

Rated luminous

flux Φ_v : 100%
(at LED rated current)

Lamp start: ≤ 50 ms

Description/

Scope of application

The electronic LED supply and monitoring module V-CG-SLS 350 is suitable for operation with LEDs inside a luminaire at a CEAG safety lighting system with single luminaire monitoring (Cewa-Guard-technology) and/or for programmable switching in the final circuit (STAR-technology).

CG-monitoring:

Error message in case of interruption of LED-circuit or of short circuit of the final terminal.

Installation

For the mounting and operation of electrical apparatus, the respective national safety regulations as well as the general rules of engineering will have to be observed.

Mounting

The location of mounting has to be in accordance with the respective instructions of the luminaire manufacturer. Inadmissible temperatures during operation at the mounting location must be observed!


Statements regarding electromagnetic compatibility for a built-in situation are only possible with the respective luminaire. Instructions of the luminaire or electronic ballast manufacturer must be observed.

We recommend the following guidelines:

- Keep mains leads inside the luminaire as short as possible
- Do not run mains leads adjacent to the electronic ballast or the lamp
- Mains leads should be kept apart from lamp leads (ideally 5-10cm distance)

The mains connection has to be set to terminals L(U) and N(O), the connection to luminaire / LED-strip has to set to terminals +/-.

The +/- terminals are not reverse-polarity protected.

 A contact of the luminaire / LED-strip to the +/- terminal live-line can cause a damage of the connected LEDs!

Addressing

Before initial operation with CEAG safety lighting systems, the addressing of the individual luminaires has to be set. For this, the desired address is set on the address switches by means of a suitable screw driver. If the luminaire should not be monitored the code 0/0 has to be selected.

The increased functions „switchable operation“ and „operation mode“ will be available only by CEAG safety lighting systems with new STAR-technology. (for this see the corresponding operating instructions of the system)

CG-Überwachung / CG-monitoring

Sekundärseite / scondary site		I	
		0...70mA	>80mA
U	0...2,9V	n. OK	n. OK
	2,95...14V	n. OK	OK

