Small Impact Resistant LED Emergency/Escape Sign Light Fitting Series 131... G2



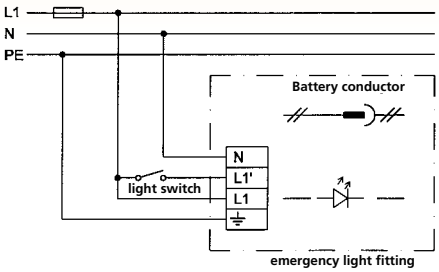
Applications:
In humid, wet and dusty locations for illuminating and indicating the escape routes.

Design:
Housing: White polycarbonate.
Diffuser: Polycarbonate, **... L02** versions opalescent white (**W**). Hinged and detachable at one end and closed at the other end with captive stainless steel screw. **(Pictograms to be ordered separately see accessories)**
Reflector: Aluminium white painted.
Connection: 3- or 4-poles.
Cable entries: 1 blanking plug M20 at each end.
Mounting system: 2 holes for ceiling mounting. Sealing and pressure disks inside each fitting.

Technical data:
LED: Linear module 4,000 K or 6,500 K **(Versions ... L02W)**, R_a > 80, service life L_{90} > 50,000 h at 25 °C ambient temperature, service life L_{80} > 70,000 h and L_{70} > 100,000 h at max. ambient temperature
NiMH battery mounted on the reflector. A constant trickle charge to the battery ensures readiness of operation at all times.
Electronic deep discharge protection acc. to EN 61347-2-7
Recharging time: 24 h, acc. to EN 60598-2-22.
Automatic monitoring the emergency light fitting acc. to EN 62034. Indication of the test results by 2-colour LED on the light fitting.

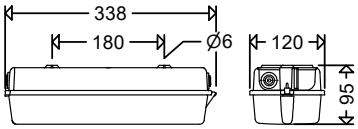
Modes of operation:
Maintained operation: Switch over to battery operation in case of mains failure.
Stand-by operation: Emergency light switches on in the event of a power failure.
Connection voltage: 220-240 V, 50/60 Hz
Ambient temperatures: 0 °C up to +30 °C for maintained version
0 °C up to +40 °C for stand-by version

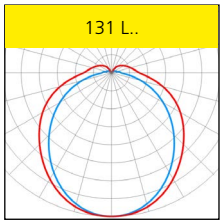
Wiring diagram maintained/stand by operation



Installation: connect battery conductor
Decommission: disconnect battery conductor
Stand-by operation: do not connect L1'

Series 131... G2





Options:

For self-contained emergency luminaire:
– DALI interface for centralised monitoring, compatible with LIMAS Line PRO or Line ESC wired Light Management Systems
– Radio module for centralised monitoring, compatible with LIMAS Air GUARD Light Management System

For a central power supply system:
– for connection to a central power supply system with integrated monitoring module

Advantages of the emergency light version:
- **safety in an emergency**, immediate full light (100 % luminous flux) even at low temperatures
- **stable luminous flux in the emergency operation** independent from the ambient temperature
- **always ready for operation** due to permanent trickle charging of the battery (MA-versions)
- **outstanding even illumination of the pictogram**, fulfills EN 1838 and DIN 4844
- **reduced battery capacity (MA-versions)**
- **little thermal stress**

General product highlights:
- **robust, impact resistant compact light fitting** entirely made from PC
- ideal for small spacing
- **homogeneous illumination by using frosted diffusers** comfortable perception of light
- **high colour reproduction CRI > 80**, according to the guide lines for worplaces suitable for nearly all plant locations
- **best suitable in the food industry and in the food processing industry especially in risky areas falling under the IFS standards (International Featured Standard Food)**
- control gear and LED-module replaceable by qualified personnel on-site
- **future proof** by using standardised LED-modules (Zhaga) and long-term availability of spare parts



! Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

Article no.	Type	Connected load [W] (incl. battery charge)	Luminous flux [lm]	Luminous flux [lm] (emergency operation)	Luminous efficacy [lm/W	Light fitting for pictogram	Operating time 1 h	Operating time 3 h	Substitute for *	Weight [kg] (without packingmaterial)
131 ... G2 /. MA									IP65	
13112 0130	**131 L02G2/1 W MA**	5	240	240	48	•	•		---	1,0
13112 0131	**131 L02G2/3 W MA**	5	240	240	48	•		•	---	1,2
13112 0120	**131 L03G2/1 MA**	5	300	300	60		•		1 x 8W	1,0
13112 0121	**131 L03G2/3 MA**	5	300	300	60			•	1 x 8W	1,2
131 ... G2 ZB									IP65	
13112 0020	**131 L02G2 W ZB**	4	240	240	60	•			---	0,4
13112 0042	**131 L07G2 ZB**	5	650	650	130				1 x 11W	0,5
13112 0044	**131 L13G2 ZB**	10	1.300	1.300	130				2 x 11W	0,5

for central power supply systems

For connection to central power supply systems for illuminating and indicating escape routes.

Technical data:
Light fitting with incorporated fuse for cut-off in case of failure according to DIN EN 60598-2-22, section 22.7.3.
Connection voltage: 220-240 V, 50/60 Hz and 220V DC
Ambient temperature: -20 °C to +40 °C

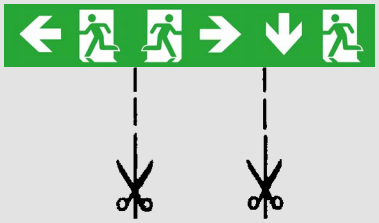
* The given information is for rough orientation only. In each individual case a lighting calculation is necessary.



Series 131... W LED with pictogram

Self-adhesive pictogram
for identification of escape routes according to DIN EN ISO 7010 und ASR A1.3.

Viewing = 15 m



Accessories / Spare Parts

Article no.	Type	
Spare glasses		
13111 9001	**ABD 131 W**	cover, PC diffuser opalescent white for 131... W
13111 9008	**ABD 131 W G2**	cover, PC tray, white opal, for 131.. G2 W
13111 9006	**ABD 131 F**	cover, frosted PC diffuser, for 131...
13111 9007	**ABD 131 F G2**	cover, frosted PC diffuser, for 131... G2
Pictogram, self-adhesive		
90011 0002	**PIK 265/76/3**	for 131... G2 W

Accessories and spare parts please see section „Dustproof/Waterproof LED Light Fitting with Diffuser Series **130/131 ... G2 LED**" in our catalogue. When ordering electronic parts or battery sets please always mention the article no. of the respective fitting.