

NEW

Dustproof/Waterproof LED Emergency Light Fitting with Diffuser Series 163 .. Generation 2



Application:

At workplaces as emergency- and safety lighting as well as for illuminating escape routes etc.

Mechanical Design:

Housing: Glass fibre reinforced polyester resin, silicone gasket.

Diffuser: Acrylic glass for high mechanical strength, frosted, additional clear cover over the LED-modules to ensure protection against contact.

Closure: Single-part plastic clips (KK), incl.

2 safety clips (KKS)

Reflector: Aluminium, painted, detachable carrying the electrical components.

Connection: 4-pole terminal.

Cable entries: Variable, closed knock-outs on the short and long sides, and on the top, 2 blanking plugs M20.

Mounting system: 2 holes for ceiling mounting. Sealing and pressure disks for sealing are supplied inside the fitting.

Technical data:

LED: Line modules 4.000K, $R_a > 80$, life of operation $L_{80} > 50.000h$ at max. ambient temperature (see notes)

Incorporated NiCd battery, electronic charger, short circuit protected battery and reverse battery protection

Electronic deep discharge protection: acc. to EN 61347-2-7

Re-charging time: 24h, acc. to EN 60598-2-22

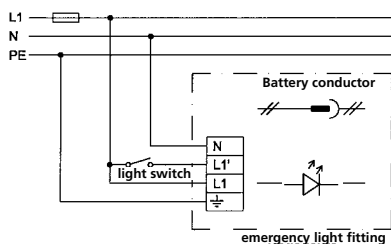
Automatic monitoring the emergency light fitting according to EN 62034. Indication of the test results by 2-coloured LED (luminescence diode) at the luminaire.

Mode of operation:

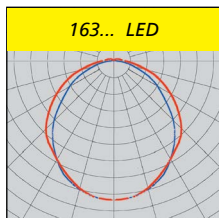
maintained operation = switching over to battery operation in case of mains failure, line modules will be operated with reduced luminous flux as emergency lighting.

Connection voltage: 220-240V 50/60Hz

Ambient temperature: -5°C up to +30°C (maintained operation)



Installation: connect battery conductor
Decommission: disconnect battery conductor

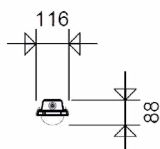
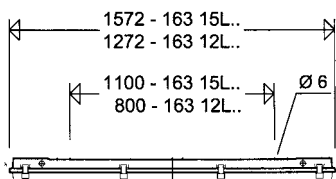


Options:

- 6.500 K
- according to „International-Food-Standard“ (IFS)
- Through-wiring
- 4-conductor: L1, L1', N, PE or
- 6-conductor: L1, L1', L2', L3', N, PE
- With DALI-Emergency-Electronic Device for centralized Control and Monitoring (MA-Z)

Advantages of the LED version:

- highest efficiency with luminous efficacy up to 147lm/W
- safety, 100 % luminous flux at low ambient temperatures
- homogeneous illumination by using the new, frosted diffusers, no individual light points visible, comfortable perception of light, brilliant glare limitation
- high colour reproduction $R_a > 80$, according to the workplace guide lines suitable for nearly all plant locations
- lower maintenance and downtime costs due to long maintenance intervals
- ECG and reflector with LED-modules can be replaced by qualified personnel on-site
- future proof by using LED-modules according to Zhaga standard



Article no.	Type	Power consumption [W] * (incl. battery charge)	Luminous flux [lm] *	Luminous flux [lm] * (emergency operation)	Luminous efficacy [lm/W]	Operating time 1h	Operating time 3h	Energy efficiency class	Substitute for **	Weight [kg] (without packing material)
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163 ..G2/. MA



with self-contained battery and automatic self-monitoring

16307 0031	163 12L22G2/1 MA	17	2.250	830	132	•		A++	1 x 36W	2,6
16307 0032	163 15L34G2/1 MA	27	3.700	890	137	•		A++	1 x 58W	3,0
16307 0033	163 12L42G2/1 MA	31	4.290	830	138	•		A++	2 x 36W	2,6
16307 0034	163 15L60G2/1 MA	46	6.180	890	134	•		A++	2 x 58W	3,0
16307 0035	163 15L34G2/3 MA	28	3.700	850	132		•	A++	1 x 58W	3,4
16307 0036	163 15L60G2/3 MA	47	6.180	850	131		•	A++	2 x 58W	3,4

Notes:

Properties, limitations and details for controlling LED-light fittings: See „Technical Supplement“.

All technical data is relevant at the time of print. Actual technical data can be found in the internet under www.schuch.de.

Accessories and spare parts please see section „Dustproof/Waterproof LED Light Fitting with Diffuser Series 163/164.. LED“ in our catalogue. When ordering electronic parts or battery sets please always mention the article no. of the respective fitting.