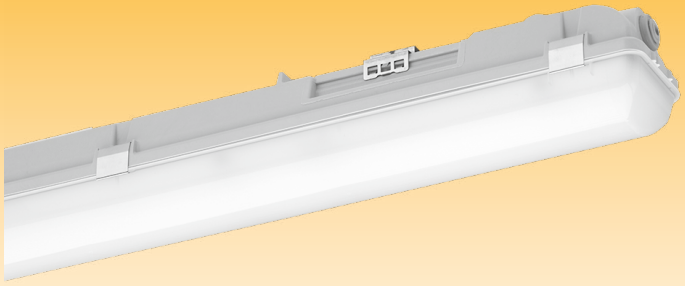
LUXANO 2

Dustproof/Waterproof LED Emergency Light Fitting with Diffuser Series 167 ... G2 / 167... G2 VARIO

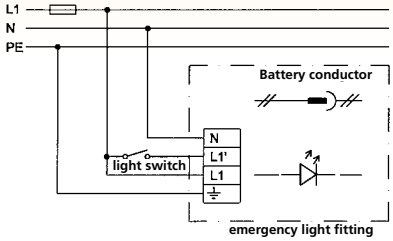


Applications:
In humid, wet and dusty rooms as replacement lighting in the event of a power failure, or as safety lighting to illuminate escape and rescue routes.

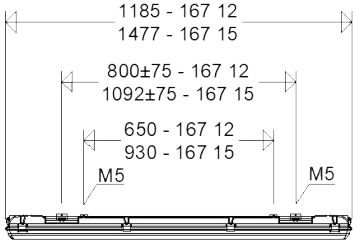
Design:
Housing: Glass fibre reinforced polyester resin, foamed polyurethane gasket.
Diffuser: PMMA frosted for glare limitation, additional clear cover at the LED-modules to ensure contact protection against contact (Types ... MA).
Closures: stainless steel, in order to ensure the contact protection. The light fitting can be opened with a tool only.
Reflector: Aluminium, painted, detachable carrying the electrical components.
Connection: 3/4-pole terminal.
Cable entries: 2 blanking plugs M20. Cable entries open at the front. Variable cable entry pre-pressed on the long side and top side.
Mounting system: 2 reinforced retaining clips (also suitable for horizontal wall mounting), made of stainless steel, 2 brackets for chain suspension (included).

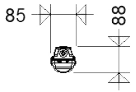
Technical data:
LED: Linear modules 4,000 K, R_a > 80, service life L_{80} > 100,000 h at 25°C ambient temperature, service life L_{70} > 100,000 h at max. ambient temperature
Type MA
LED: Linear modules 4,000 K, R_a > 80, service life L_{90} > 50,000 h at 25°C ambient temperature, service life L_{80} > 70,000 h and L_{70} > 100,000 h at max. ambient temperature
Self contained NiMH battery, electronic charger, short circuit protected battery and reverse battery protection
Electronic deep discharge protection acc. to EN 61347-2-7
Re-charging time: 24 h, acc. to EN 60598-2-22
Automatic monitoring 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.
Stand-by operation: Emergency light switches on in the event of a power failure.
Connection voltage: 220-240 V 50/60 Hz
Ambient temperature: 0 °C up to +30 °C

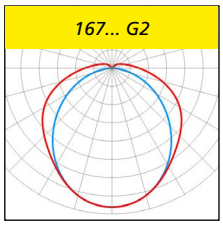
Wiring diagram maintained/stand by operation



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







Options:
– 3.000 K, 5.000 K, 6,500 K; light colours (**830, 850, 865**)
– according to „International Featured Standard Food“ (**IFS**)
– dimming function via DALI-2 interface, compatible with LIMAS Line wired Light Management System (**DIMD**)

For self-contained emergency luminaire:
– through-wiring (**DV**), (see note) 4-conductor: L1, L1', N, PE or 6-conductor: L1, L1', L2', L3', N, PE
– 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:
– percentage reduction in luminous flux in DC operation (**ZB15, ZB30, ZB50**)
– for connection to a central power supply system with integrated monitoring module
– for connection to a central power supply system with integrated changeover switch

Advantages of the emergency light version:
- **always ready for operation** due to permanent trickle charging of the battery (**MA-versions**)
- **safety in an emergency**, immediate light with maximum luminous flux even at low temperatures (MA versions)
- **100 % light output even in emergency mode (ZB-versions)**
- **reliable protection against contact** due to additional clear cover (**MA-versions**)

General product highlights of the LUXANO 2 series:
- quality luminaire with high-end components from renowned manufacturers
- **stainless steel safety locks** to ensure protection against accidental contact
- **FastFix quick mounting system,** with retaining clips made of stainless steel for variable mounting distances, without opening the fitting.
- **variable cable entries**, closed knock-outs on the short and long sides, and on the backside
- **homogeneous illumination by using frosted diffusers,** no individual light spots visible, comfortable perception of light and excellent glare limitation
- high flexibility thanks to a wide range of modifications
- control gear and LED-module replaceable by qualified personnel on-site

! 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] 1)	Luminous flux [lm] (emergency operation)	Luminous efficacy [lm/W]	Operating time 1 h	Operating time 3 h	Substitute for *	Weight [kg] (without packingmaterial)

167 ..G2/. MA

IP65

self-contained emergency luminaire with automatic monitoring

16703 0022	**167 12L42G2/1 MA**	32	4.250	810	133	•		2 x 36W	2,2
16703 0021	**167 15L34G2/1 MA**	29	3.710	810	128	•		1 x 58W	2,5
16703 0023	**167 15L60G2/1 MA**	44	6.000	810	136	•		2 x 58W	2,7
16703 0024	**167 15L34G2/3 MA**	29	3.710	810	128		•	1 x 58W	2,8
16703 0025	**167 15L60G2/3 MA**	44	6.000	810	136		•	2 x 58W	2,8

167 ..G2 VARIO ZB

IP65

for central power supply systems - with variable adjustable luminous flux

Applications:
For connection to central power supply systems for illuminating escape routes.

Design:
As standard version 167... G2, but with integrated DIP switch for setting the luminous flux without tools. The luminaire luminous flux can be set to four values. Depending on the set luminous flux, the power consumption of the light fitting and the maximum permissible ambient temperature change.
Mounting system: 2 reinforced retaining clips made of stainless steel, 2 bracket for chain suspension (included).

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: from -20 °C to +35 °C

Product highlights of the VARIO version:

- **universally usable due to variable setting of the luminous flux**, depending on the requirement
- **simple and quick adjustment on-site without tools**
- **can be changed at any time** (e.g. change of use of the premises with new requirements in regard to the level of illumination)
- **maximum standardisation and most economical warehousing**

Notes:
In case of horizontal installation, the light fitting must be directly fixed with screws (washer and pressure disk are included) or it must be mounted with a reinforced retaining clips (see accessories)!

16703 0120	**167 12LG2 VARIO ZB**	18	2.700	2.700	150			> 1 x 36W	1,7
		21	3.100	3.100	148			< 1 x 58W	
		26	3.800	3.800	146			> 1 x 58W	
		30	4.300 2)	4.300	143			2 x 36W	
16703 0121	**167 15LG2 VARIO ZB**	25	3.800	3.800	152			> 1 x 58W	1,9
		29	4.400	4.400	152			2 x 36W	
		36	5.400	5.400	150			< 2 x 58W	
		43	6.200 2)	6.200	144			2 x 58W	

1) possible setting range
2) Factory setting

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

Accessories / Spare Parts

Article no.	Type	
spare glasses, PMMA, frosted		
16711 9003	**ABD 167 12 G2**	cover, frosted PMMA diffuser, for 167 12 ... G2
16711 9004	**ABD 167 15 G2**	cover, frosted PMMA diffuser, for 167 15 ... G2
Fasteners		
90123 9008	**167G2 KE V10**	stainless steel (packing unit 10)
Cable entries		
90063 9000	**2511**	blanking plug M20
Accessories		
90049 0004	**HK 167 G2 P**	1 pair of retaining clips (stainless steel) reinforced for variable fastening