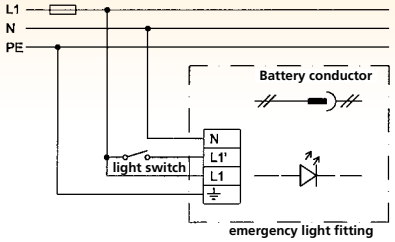


Dustproof/Waterproof LED Emergency Light Fitting with Diffuser Series 163... G2 / 163... G2 VARIO

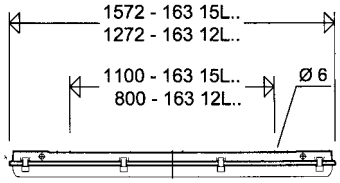
Applications:
In humid, wet and dusty rooms as replacement lighting in the event of a power failure, or as safety lighting to illuminate escape and rescue routes.

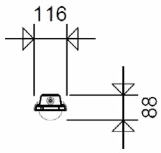
Mechanical Design:
Housing: Glass fibre reinforced polyester resin, foamed gasket.
Diffuser: Acrylic glass for high mechanical strength, frosted, additional clear cover over the LED-modules to ensure protection against contact (Types ... MA).
Closure: Single-part plastic clips (**KK**), incl. 2 safety clips (**KKS**)
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 holes for ceiling mounting. Sealing and pressure disks for sealing are supplied inside the fitting.

Wiring diagram maintained/stand by operation



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





VARIO versions with variable setting of the luminous flux

Applications:
Factories in which, for reasons of maximum standardization and economic storage, only one type of damp-proof luminaire is to be used, which can be used for a wide variety of lighting tasks due to its variably adjustable luminous flux.

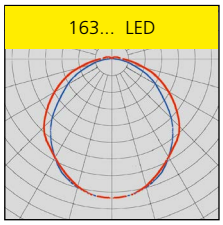
Design:
With integrated DIP switch for setting the luminous flux without tools. The luminaire luminous flux can be set to four values. Depending on the set luminous flux, the power consumption of the light fitting and the maximum permissible ambient temperature change.

Technical data:
LED: Linear modules 4,000 K, CRI > 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
Incorporated 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 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: 220-240 V 50/60 Hz
Ambient temperature: 0 °C up to +30 °C

Options:
– 3.000 K, 5.000 K, 6,500 K; light colours (**830, 850, 865**)
– cable looping at 1 small side
– cover made of polycarbonate (**PC**), frosted
– stainless steel clips (**KE**)
– 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 luminaires:
– 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)
- **Central battery versions with 100 % luminous flux in case of emergency (ZB-versions)**
- **reliable protection against contact** due to additional clear cover (MA-versions)

General product highlights:
- **quality luminaire with above-average mechanical strength**
- **safety locks** to ensure protection against accidental contact
- **variable cable entry** thanks to additional entries along and at the top of the housing
- **homogeneous illumination by using frosted diffusers,** comfortable perception of light and brilliant glare limitation
- 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]	Operating time 1 h	Operating time 3 h	Substitute for *	Weight [kg] (without packingmaterial)

163 ..G2/. MA

IP65

self-contained emergency luminaire with automatic monitoring

16307 0031	**163 12L22G2/1 MA**	17	2.390	810	141	•		1 x 36W	2,6
16307 0033	**163 12L42G2/1 MA**	29	4.210	810	145	•		2 x 36W	2,6
16307 0052	**163 15L34G2/1 MA**	23	3.450	830	150	•		1 x 58W	3,0
16307 0054	**163 15L60G2/1 MA**	41	6.140	830	150	•		2 x 58W	3,0
16307 0055	**163 15L34G2/3 MA**	24	3.450	830	144		•	1 x 58W	3,4
16307 0056	**163 15L60G2/3 MA**	42	6.140	830	146		•	2 x 58W	3,4

NEW

163 ..G2 VARIO ZB

IP65

for central power supply systems

Applications:

For connection to central power supply systems for illuminating 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: from -20 °C to +40 °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

16307 0060	**163 12LG2 VARIO ZB**	20	3.100	3.100	155			1 x 36W	2,3
		25	3.870	3.870	155			1 x 58W	
		29	4.640	4.640	160			2 x 36W	
		34	5.420	5.420	159			2 x 58W	
16307 0061	**163 15LG2 VARIO ZB**	25	3.880	3.880	155			1 x 58W	2,8
		30	4.800	4.800	160			2 x 36W	
		36	5.760	5.760	160			2 x 58W	
		42	6.650	6.650	158			> 2 x 58W	

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

Accessories and spare parts please see section „Dustproof/Waterproof LED Light Fitting with Diffuser Series **163... G2 VARIO / 164.. G2 LED** in our catalogue. When ordering electronic parts or battery sets please always mention the article no. of the respective fitting.