

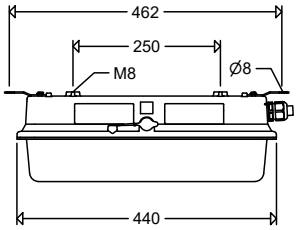
Small LED-Light Fittings for Ex-Zone 1/21
Series e855...

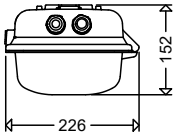
Applications:
Hazardous areas in Zones 1/2 (gas) and 21/22 (dust) as standard illumination for small rooms and above doors, i.e. as information or excape route lighting with pictograms.

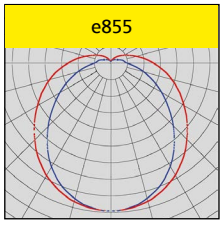
Design:
Housing: Glass fibre reinforced polyester resin.
Diffuser: Clear polycarbonate, frosted, detachable, silicone gasket.
Reflector: Sheet steel, painted white, detachable, carrying the encapsulated LED-modules and protection cover.
Central locking system: Operated by a hexagonal box spanner 13mm.
Connection: Prepared for looping the mains cable. Terminal L1+N+PE; up to 2,5mm².
Cable entries: 2 entries M25 x 1.5 at one of the front side (2 cable glands, 1 with blanking plug).
Mounting: Side fixing brackets allow direct mounting on to walls or ceilings.

Technical Data:
LED: Line modules appr. 6,500K, CRI > 80, service life L_{80} > 100.000h at max. ambient temperature, L_{90} > 95.000h at 25°C ambient temperature
ECG: 220-240V AC/DC, 0 or 50/60Hz, overvoltage, overload and short circuit protection

Note:
This light fitting is not suitable for application in areas with permanent high humidity in combination with only short periods of operation, such as sewage or stormwater retention tanks or water treatment plants.







Options:
– for connection to group or central battery (light fittings of version ZB only) or emergency mains respectively
– with monitoring module for monitoring the individual light fitting
– Control gear with dimming function via DALI2-compatible interface, suitable for the LIMAS Line BASIC/PRO Light Management System (**DIMD**)
– preparation for a 5-core looping

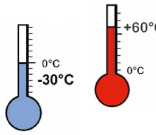
Product highlights:



- extremly robust construction of housing and diffuser
- comfortable central locking mechanism for easy maintenance
- **innovative encapsulation** with high transmission rate
- LED protecting cover against ESD and mechanical damage
- homogeneous illumination due to frosted covers on the reflector for glare limitation, no individual light points visible, comfortable perception of light, brilliant glare limitation
- **high colour rendering index CRI > 80**, according to the workplace guide lines suitable for nearly all plant locations
- **sustainable,** control gear and reflector with LED-modules replaceable by qualified personnel on-site

Article no.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Suitable for pictogramm	Ta max [°C]	Substitute for *	Weight [kg] (without packing material)
e855...								

Ex | II 2 G Ex eb mb op is q II C T4 Gb | II 2 G Ex db eb mb op is q II C T4 Gb | II 2 D Ex op is tb IIIC T80°C Db | IP66



EU-Type Examination Certificate:
IBExU 17 **ATEX** 1132
Other approvals:
IECEx IBE 17.0037
Type of protection: eb (increased safety)
Marking:
II 2 G Ex eb mb op is q IIC T4 Gb (Zone 1)
II 2 D Ex op is tb IIIC T80°C Db (Zone 21)

Rated Voltage: 220-240V AC, 176-275V DC, 50/60Hz
Permissible ambient temperature:
-30°C up to see article table

85500 0007	**e855F L05**	5	510	102		60	1 x 8W	5,0
85500 0001	**e855F L10**	10	1.060	106		60	2 x 8W	5,0
85500 0002	**e855F L20**	18	2.050	114		60	2 x 18W	5,1
85500 0003	**e855F L10 DIMD**	10	1.060	106		60	2 x 8W	5,0
85500 0004	**e855F L20 DIMD**	18	2.050	114		60	2 x 18W	5,1

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

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