

2.8

Ex-Recess-mounted, ceiling emergency light fittings in compact metal design

RLF/RLF-INOX 250 18 - 58 W / RLF/RLF-INOX 250... N 18 - 36 W
(Zone 1, 2, 21, 22)

The explosion-protected lighting concept for clean rooms

The Ex recess-mounted, ceiling light fittings RLF... are equipped with EVG 09 electronic ballasts and are suitable for two-pin fluorescent lamps. These lamps are used for surface and flush mounting in ceilings, in particular in clean rooms where smooth, flush surfaces are very important. The area of application is in the pharmaceutical and chemical industries, and experimental facilities, as well as in paint shops and spraying cabinets.

Designed for easy installation

The housing comprises white-painted steel sheet with an optional cover frame for ceiling mounting. The type RLF-INOX is made of polished stainless steel. In addition, it can also be fixed by means of two M8 drilled holes on the top of the housing. The hinged, frameless pane made of 5 mm thick safety glass is fixed with 3 resp. 4 captive screws and has inside hinges. The EPDM sealing ensures the high degree of protection IP65.

Long-term safety

Thanks to its large input voltage range, the latest generation of electronic ballasts can be used internationally and features an EOL circuit. The dual-channel structure of the electronic ballasts allows the safe operation of the second lamp if one lamp fails.

Versatile

In conjunction with the generously dimensioned terminal compartment, the standard, twin-ended through-wiring allows a cost-effective installation. The luminaire switch reliably prevents the light from being turned on while the cover is open.

If you need a reliable and decentralized emergency lighting

The RLF... N emergency luminaires with a self-contained battery system provide a decentralised solution for the mandatory emergency lighting, independent of central systems. In large plants, in particular, these luminaires offer significant cost benefits.

The emergency lighting version with a self-contained battery-system containing NC batteries allows an emergency lighting cycle of 1.5 or 3 hours.

Features


- Standard dual channel ballast with EOL monitoring
- Flush Installation, specially for clean rooms
- Available in painted sheet steel or stainless steel
- Safety interlock with integrated luminaire switch
- With self-contained battery unit (RLF 250...N)
- High degree of protection IP66
- Suitable for B15 fire resistance ceilings



Using mounting brackets the luminaires can be installed adjustable on walls or ceilings



Ordering details

| Type | Content | Terminals | Through-wiring single-ended | Through-wiring twin-ended | Cable gland/ thread | Screw plugs | Blanking plug | Order No. |
|---|------------------------------|----------------------|-----------------------------|---------------------------|---------------------|-----------------------|---------------|-----------------------|
| RLF 250../.. (twin lamp) | | | | | | | | |
|  | RLF 25018/18 (2 x 18 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 218 001 |
| | RLF 25018/18 (2 x 18 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 218 002 |
| | RLF 25036/36 (2 x 36 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 236 001 |
| | RLF 25036/36 (2 x 36 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 236 002 |
| | RLF 25058/58 (2 x 58 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 258 001 |
| | RLF 25058/58 (2 x 58 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 258 002 |
| RLF 2503.. (three lamps) | | | | | | | | |
|  | RLF 250336 (3 x 36 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 336 011 |
| | RLF 250336 (3 x 36 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 336 012 |
| | RLF 250358 (3 x 58 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 358 011 |
| | RLF 250358 (3 x 58 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 358 012 |
| RLF 2504.. (four lamps) | | | | | | | | |
|  | RLF 250418 (4 x 18 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 418 011 |
| | RLF 250418 (4 x 18 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 418 012 |
| | RLF 250436 (4 x 36 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 436 011 |
| | RLF 250436 (4 x 36 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 436 012 |
| | RLF 250458 (4 x 58 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 458 011 |
| | RLF 250458 (4 x 58 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 458 012 |
| RLF-INOX 250../.. (twin lamp, stainless steel version) | | | | | | | | |
|  | RLF-INOX 25018/18 (2 x 18 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 218 003 |
| | RLF-INOX 25018/18 (2 x 18 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 218 004 |
| | RLF-INOX 25036/36 (2 x 36 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 236 003 |
| | RLF-INOX 25036/36 (2 x 36 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 236 004 |
| | RLF-INOX 25058/58 (2 x 58 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 258 003 |
| | RLF-INOX 25058/58 (2 x 58 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 258 004 |
| RLF-INOX 2503.. (three lamps, stainless steel version) | | | | | | | | |
|  | RLF-INOX 250336 (3 x 36 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 336 001 |
| | RLF-INOX 250336 (3 x 36 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 336 002 |
| | RLF-INOX 250358 (3 x 58 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 358 001 |
| | RLF-INOX 250358 (3 x 58 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 358 002 |
| RLF-INOX 2504.. (four lamps, stainless steel version) | | | | | | | | |
|  | RLF-INOX 250418 (4 x 18 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 418 001 |
| | RLF-INOX 250418 (4 x 18 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 418 002 |
| | RLF-INOX 250436 (4 x 36 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 436 001 |
| | RLF-INOX 250436 (4 x 36 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 436 002 |
| | RLF-INOX 250458 (4 x 58 W) | 2/5-2K | 2 x 5 | – | x | 2 x M25, plastic | 1 | 1 2283 458 001 |
| | RLF-INOX 250458 (4 x 58 W) | 2/5-2M ¹⁾ | 2 x 5 | – | x | 2 x M20, metal thread | 1 x M20 | 1 2283 458 002 |

Scope of delivery without lamp and fixing accessories





Metal cable glands see catalogue part 2: 2.3.12 ff

Ordering details

RLF 250 ../. N /

RLF INOX 250 ../. N

Ordering details

| Type | Content | Emergen- cy lighting duration | Terminals | Through- wiring single-ended | Through- wiring twin-ended | Cable gland/ thread | Screw plugs | Order No. | |
|--|-----------------------------------|-------------------------------------|-----------|------------------------------------|----------------------------------|------------------------|-----------------------------|-----------|-----------------------|
| RLF 250../. N (twin lamp) | | | | | | | | | |
|  | RLF 25018/18 N (2 x 18 W) | 2/6-2K | 1.5 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 218 201 |
| | RLF 25018/18 N (2 x 18 W) | 2/6-2M | 1.5 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 218 202 |
| | RLF 25018/18 N (2 x 18 W) | 2/6-2K | 3 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 218 301 |
| | RLF 25018/18 N (2 x 18 W) | 2/6-2M | 3 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 218 302 |
| | RLF 25036/36 N (2 x 36 W) | 2/6-2K | 1.5 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 236 201 |
| | RLF 25036/36 N (2 x 36 W) | 2/6-2M | 1.5 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 236 202 |
| | RLF 25036/36 N (2 x 36 W) | 2/6-2K | 3 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 236 301 |
| | RLF 25036/36 N (2 x 36 W) | 2/6-2M | 3 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 236 302 |
| RLF 2504.. N (four lamps) | | | | | | | | | |
|  | RLF 250418 N (4 x 18 W) | 2/6-2K | 1.5 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 418 201 |
| | RLF 250418 N (4 x 18 W) | 2/6-2M | 1.5 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 418 202 |
| | RLF 250418 N (4 x 18 W) | 2/6-2K | 3 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 418 301 |
| | RLF 250418 N (4 x 18 W) | 2/6-2M | 3 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 418 302 |
| | RLF 250436 N (4 x 36 W) | 2/6-2K | 1.5 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 436 201 |
| | RLF 250436 N (4 x 36 W) | 2/6-2M | 1.5 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 436 202 |
| | RLF 250436 N (4 x 36 W) | 2/6-2K | 3 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 436 301 |
| | RLF 250436 N (4 x 36 W) | 2/6-2M | 3 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 436 302 |
| RLF INOX 250../. N (twin lamp, stainless steel version) | | | | | | | | | |
|  | RLF-INOX 25018/18 N (2 x 18 W) | 2/6-2K | 1.5 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 218 203 |
| | RLF-INOX 25018/18 N (2 x 18 W) | 2/6-2M | 1.5 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 218 204 |
| | RLF-INOX 25018/18 N (2 x 18 W) | 2/6-2K | 3 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 218 303 |
| | RLF-INOX 25018/18 N (2 x 18 W) | 2/6-2M | 3 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 218 304 |
| | RLF-INOX 25036/36 N (2 x 36 W) | 2/6-2K | 1.5 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 236 203 |
| | RLF-INOX 25036/36 N (2 x 36 W) | 2/6-2M | 1.5 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 236 204 |
| | RLF-INOX 25036/36 N (2 x 36 W) | 2/6-2K | 3 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 236 303 |
| | RLF-INOX 25036/36 N (2 x 36 W) | 2/6-2M | 3 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 236 304 |
| RLF INOX 2504.. N (four lamps, stainless steel version) | | | | | | | | | |
|  | RLF-INOX 250418 N (4 x 18 W) | 2/6-2K | 1.5 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 418 203 |
| | RLF-INOX 250418 N (4 x 18 W) | 2/6-2M | 1.5 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 418 204 |
| | RLF-INOX 250418 N (4 x 18 W) | 2/6-2K | 3 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 418 303 |
| | RLF-INOX 250418 N (4 x 18 W) | 2/6-2M | 3 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 418 304 |
| | RLF-INOX 250436 N (4 x 36 W) | 2/6-2K | 1.5 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 436 203 |
| | RLF-INOX 250436 N (4 x 36 W) | 2/6-2M | 1.5 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 436 204 |
| | RLF-INOX 250436 N (4 x 36 W) | 2/6-2M | 3 h | 2 x 6 | – | x | 2 x M25, plastic | 1 x M25 | 1 2283 436 303 |
| | RLF-INOX 250436 N (4 x 36 W) | 2/6-2M | 3 h | 2 x 6 | – | x | 2 x M20 x 1.5, metal thread | 1 x M20 | 1 2283 436 304 |

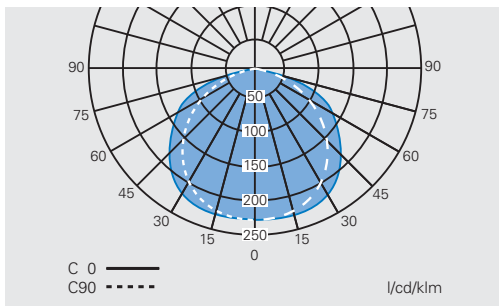
Scope of delivery without lamp and fixing accessories
Metal cable glands see catalogue part 2: 2.3.12 ff

Accessories

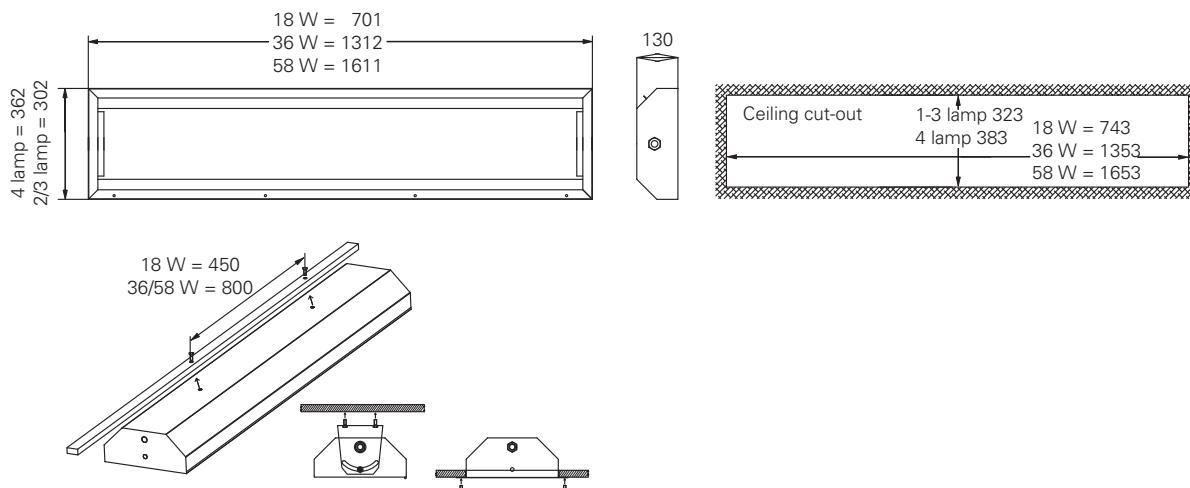


| Type | Application | Order No. |
|---|--------------------------------|-----------------------|
| Mounting frame for ceiling mounting | for RLF 25018/18, 2 x 18W | 3 2283 000 001 |
| Mounting frame for ceiling mounting | for RLF 250418, 4 x 18 W | 3 2283 000 002 |
| Mounting frame for ceiling mounting | for RLF 250, 2/3 x 36 W, | 3 2283 000 003 |
| Mounting frame for ceiling mounting | for RLF 250436, 4 x 36 W | 3 2283 000 004 |
| Mounting frame for ceiling mounting | for RLF 250, 2/3 x 58 W | 3 2283 000 005 |
| Mounting frame for ceiling mounting | for RLF 250458, 4 x 58 W | 3 2283 000 006 |
| Mounting frame for ceiling mounting | for RLF-INOX 25018/18, 2 x 18W | 3 2283 000 008 |
| Mounting frame for ceiling mounting | for RLF-INOX 250418, 4 x 18 W | 3 2283 000 009 |
| Mounting frame for ceiling mounting | for RLF-INOX 25, 2/3 x 36 W, | 3 2283 000 010 |
| Mounting frame for ceiling mounting | for RLF-INOX 250436, 4 x 36 W | 3 2283 000 011 |
| Mounting frame for ceiling mounting | for RLF-INOX 25, 2/3 x 58 W | 3 2283 000 012 |
| Mounting frame for ceiling mounting | for RLF-INOX 250458, 4 x 58 W | 3 2283 000 013 |
| Set of wall bracket adjustable (2 pcs.) | for RLF 250.. | 3 2283 000 007 |

Polar curve RLF..



RLF 250...



Dimensions in mm



Technical data

| | RLF 25018/18 / RLF 250418 | RLF 25036/36 / RLF 250336 |
|--|---|---|
| EC-Type Examination Certificate | FTZU 06 ATEX 0050 X | FTZU 06 ATEX 0050 X |
| Marking accd. to 94/9/EC | ⊕ II 2 G Ex ed IIC T4 Gb ⊕ II 2 D Ex tb IIIC T60 °C Db | ⊕ II 2 G Ex ed IIC T4 ⊕ II 2 D Ex tb IIIC T60 °C Db |
| Permissible ambient temperature | -20 °C up to +40 °C | -20 °C up to +40 °C |
| Rated voltage | 110 - 254 V AC / 110 - 250 V DC | 110 - 254 V AC / 110 - 250 V DC |
| Rated current | 0.18 A / 0.36 A | 0.34 A / 0.51 A |
| Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Power factor cos φ | ≥ 0.95 | ≥ 0.95 |
| Circuit | EVG | EVG |
| Protection class | I | I |
| Lamp / Illuminant | 2 x T26 / 18 W (T8) / 4 x T26 / 18 W (T8) | 2 x T26 / 36 W (T8) / 3 x T26 / 36 W (T8) |
| Rated luminous flux | 2700 lm ¹⁾ / 5400 lm ¹⁾ | 6700 lm ¹⁾ / 10050 lm ¹⁾ |
| Lamp cap | G13 accd. to IEC 60061-1 | G13 accd. to IEC 60061 |
| Light output ratio | 70 % / 69 % | 70 % / 68 % |
| Dimensions (L x W x H) | 701 x 302 x 130 mm / 701 x 362 x 130 mm | 1312 x 302 x 130 mm |
| Connecting terminals | L1, L2, L3, N, PE; max. 2 x 2.5 mm ² through-wiring twin-ended | L1, L2, L3, N, PE; max. 2 x 2.5 mm ² through-wiring twin-ended |
| Enclosure colour | white RAL 9010 | white RAL 9010 |
| Enclosure material | painted steel sheet, white optional: polished stainless steel 304 (1.4301) | painted steel sheet, white optional: polished stainless steel 304 (1.4301) |
| Weight | 6.9 kg / 9.5 kg | 12.9 kg / 13.4 kg |
| Cable glands / gland plates / enclosure drilling | Ex-e cable glands M25 x 1.5 (plastic) , option: M20 x 1.5 metal thread ²⁾ | Ex-e cable glands M25 x 1.5 (plastic) , option: M20 x 1.5 metal thread ²⁾ |
| Degree of protection accd. to EN 60529 | IP65 | IP65 |
| Protective cover / protective bowl | single-safety glass pane of 5 mm thick | single-safety glass pane of 5 mm thick |

¹⁾ depends on used lamps²⁾ with dustcover if entry/thread is not closed



Technical data

| | RLF 250436 | RLF 25058/58 |
|--|---|---|
| EC-Type Examination Certificate | FTZU 06 ATEX 0050 X | FTZU 06 ATEX 0050 X |
| Marking accd. to 94/9/EC | ⊕ II 2 G Ex ed IIC T4 ⊕ II 2 D Ex tb IIIC T60 °C Db | ⊕ II 2 G Ex ed IIC T4 ⊕ II 2 D Ex tb IIIC T60 °C Db |
| Permissible ambient temperature | -20 °C up to +40 °C | -20 °C up to +40 °C |
| Rated voltage | 110 - 254 V AC / 110 - 250 V DC | 220 - 254 V AC / 195 - 250 V DC |
| Rated current | 0.68 A | 0.53 A |
| Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Power factor cos φ | ≥ 0.95 | ≥ 0.95 |
| Circuit | EVG | EVG |
| Protection class | I | I |
| Lamp / Illuminant | 4 x T26 / 36 W (T8) | 2 x T26 / 58 W (T8) |
| Rated luminous flux | 13400 lm ¹⁾ | 10400 lm ¹⁾ |
| Lamp cap | G13 accd. to IEC 60061-1 | G13 accd. to IEC 60061-1 |
| Light output ratio | 69 % | 68 % |
| Dimensions (L x W x H) | 1312 x 362 x 130 mm | 1611 x 302 x 130 mm |
| Connecting terminals | L1, L2, L3, N, PE; max. 2 x 2.5 mm ² through-wiring twin-ended | L1, L2, L3, N, PE; max. 2 x 2.5 mm ² through-wiring twin-ended |
| Enclosure colour | white RAL 9010 | white RAL 9010 |
| Enclosure material | painted steel sheet, white optional: polished stainless steel 304 (1.4301) | painted steel sheet, white optional: polished stainless steel 304 (1.4301) |
| Weight | 16.5 kg | 17.2 kg |
| Cable glands / gland plates / enclosure drilling | Ex-e cable glands M25 x 1.5 (plastic) , option: M20 x 1.5 metal thread ²⁾ | Ex-e cable glands M25 x 1.5 (plastic) , option: M20 x 1.5 metal thread ²⁾ |
| Degree of protection accd. to EN 60529 | IP65 | IP65 |
| Protective cover / protective bowl | single-safety glass pane of 5 mm thick | single-safety glass pane of 5 mm thick |

¹⁾ depends on used lamps

²⁾ with dustcover if entry/thread is not closed



Technical data

| | RLF 250358 | RLF 250458 |
|--|---|---|
| EC-Type Examination Certificate | FTZU 06 ATEX 0050 X | FTZU 06 ATEX 0050 X |
| Marking accd. to 94/9/EC | ⊕ II 2 G Ex ed IIC T4 ⊕ II 2 D Ex tb IIIC T60 °C Db | ⊕ II 2 G Ex ed IIC T4 Gb ⊕ II 2 D Ex tb IIIC T60 °C Db |
| Permissible ambient temperature | -20 °C up to +40 °C | -20 °C up to +40 °C |
| Rated voltage | 220 - 254 V AC / 195 - 250 V DC | 220 - 254 V AC / 195 - 250 V DC |
| Rated current | 0.80 A | 1.06 A |
| Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Power factor cos φ | ≥ 0.95 | ≥ 0.95 |
| Circuit | EVG | EVG |
| Protection class | I | I |
| Lamp / Illuminant | 3 x T26 / 58 W (T8) | 4 x T26 / 58 W (T8) |
| Rated luminous flux | 15600 lm ¹⁾ | 20800 lm ¹⁾ |
| Lamp cap | G13 accd. to IEC 60061-1 | G13 accd. to IEC 60061-1 |
| Light output ratio | 66 % | 67 % |
| Dimensions (L x W x H) | 1611 x 302 x 130 mm | 1611 x 362 x 130 mm |
| Connecting terminals | L1, L2, L3, N, PE; max. 2 x 2.5 mm ² through-wiring twin-ended | L1, L2, L3, N, PE; max. 2 x 2.5 mm ² through-wiring twin-ended |
| Enclosure colour | white RAL 9010 | white RAL 9010 |
| Enclosure material | painted steel sheet, white optional: polished stainless steel 304 (1.4301) | painted steel sheet, white optional: polished stainless steel 304 (1.4301) |
| Weight | 17.8 kg | 19.8 Kg |
| Cable glands / gland plates / enclosure drilling | Ex-e cable glands M25 x 1.5 (plastic) , option: M20 x 1.5 metal thread ²⁾ | Ex-e cable glands M25 x 1.5 (plastic) , option: M20 x 1.5 metal thread ²⁾ |
| Degree of protection accd. to EN 60529 | IP65 | IP65 |
| Protective cover / protective bowl | single-safety glass pane of 5 mm thick | single-safety glass pane of 5 mm thick |

¹⁾ depends on used lamps²⁾ with dustcover if entry/thread is not closed



2

Technical data

| | RLF 25018/18 N / RLF 25036/36 N | RLF 250418 N / RLF 250436 N |
|--|---|---|
| EC-Type Examination Certificate | FTZU 06 ATEX 0050 X | FTZU 06 ATEX 0050 X |
| Marking accd. to 94/9/EC | Ⓜ II 2 G Ex d e ib mb IIC T4 Gb Ⓜ II 2 D Ex tb IIIC T60 °C Db | Ⓜ II 2 G Ex d e ib mb IIC T4 Gb Ⓜ II 2 D Ex tb IIIC T60 °C Db |
| Permissible ambient temperature | 0 °C up to +40 °C (specified data) | 0 °C up to +40 °C |
| Battery | 3.6 V/4 Ah NC-Accu / 6 V/4 Ah NC-Accu | 3.6 V/4 Ah NC-Accu / 6 V/4 Ah NC-Accu |
| Rated voltage | 230 - 240 V AC | 230 - 240 V AC |
| Rated current | 0.20 A / 0.36 A | 0.36 A / 0.68 A |
| Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Charging duration | ≥ 24 h | ≥ 24 h |
| Power factor cos φ | ≥ 0.95 | ≥ 0.95 |
| Circuit | EVG with emergency lighting supply | EVG with emergency lighting supply |
| Protection class | I | I |
| Lamp / Illuminant | 2 x T26 / 18 W (T8) / 2 x T26 / 36 W (T8) | 4 x T26 / 18 W (T8) / 4 x T26 / 36 W (T8) |
| Rated luminous flux | 2700 lm ¹⁾ / 6700 lm ¹⁾ | 5400 lm ¹⁾ / 13400 lm ¹⁾ |
| Lamp cap | G13 accd. to IEC 60061-1 | G13 accd. to IEC 60061-1 |
| Light output ratio | 70 % | 70 % |
| Luminous flux in emergency operation (1.5 h, one lamp) | 270 lm (20 %) / 603 lm (18 %) | 270 lm (20 %) / 603 lm (18 %) |
| Luminous flux in emergency operation (3 h, one lamp) | 216 lm (16 %) / 436 lm (13 %) | 216 lm (16 %) / 436 lm (13 %) |
| Rated emergency lighting duration | 1.5 h / 3 h | 1.5 h / 3 h |
| Dimensions (L x W x H) | 701 x 302 x 130 mm / 1312 x 302 x 130 mm | 701 x 362 x 130 mm / 1312 x 362 x 130 mm |
| Connecting terminals | L, L1, L2, L3, N, PE; max. 2 x 2.5 mm ² through-wiring twin-ended | L, L1, L2, L3, N, PE; max. 2 x 2.5 mm ² through-wiring twin-ended |
| Enclosure colour | white RAL 9010 | white RAL 9010 |
| Enclosure material | painted steel sheet, white optional polished stainless steel | painted steel sheet, white optional polished stainless steel |
| Weight | 8.9 kg / 14.9 kg | 11.5 kg / 18.5 kg |
| Cable glands / gland plates / enclosure drilling | Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread ²⁾ | Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread ²⁾ |
| Degree of protection accd. to EN 60529 | IP65 | IP65 |
| Protective cover / protective bowl | single-safety glass pane of 5 mm thick | single-safety glass pane of 5 mm thick |

¹⁾ depends on used lamps

²⁾ with dustcover if entry/thread is not closed