

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

eLLB 20... V-CG-S / eLLB 20... NIB
(Zone 1, 2, 21, 22)

The explosion-protection lighting concept for clean rooms

The Ex recess-mounted ceiling emergency lighting eLLB 20 fittings are equipped with EVG 09 electronic ballasts and are suitable for two-pin fluorescent lamps. These light fittings are used for surface and flush mounting in ceilings, in particular in clean rooms where smooth, flush surfaces are very important. They are often used in the pharmaceutical and chemical industries, and experimental facilities, as well as in paint shops and spraying cabinets.

Designed for easy installation

The housing is made of white-painted steel sheet with an integrally moulded cover frame or, optionally, of polished stainless steel. It is installed securely in the ceiling by means of special fixing elements that allow a universal and simple mounting in recessed clean room ceilings that are 25 to 90 mm thick. In addition, it can also be fixed by means of two M8 drilled holes in the top of the housing. The hinged, frameless pane made of safety glass

is fixed with captive screws and has inside hinges. The sealing material is guaranteed silicone-leak-proof. Together with the generously dimensioned terminal compartment, the standard, double-ended through-wiring allows a cost-saving installation.

With central monitoring

Safety is always our top priority. This is why we also supply the eLLB 20 recessed ceiling mounting light fitting series with a built-in V-CG-S module. These luminaires with individual monitoring can be connected to a CEAG emergency lighting supply system and, in the event of an emergency, they provide a reliable illumination of your safety and escape routes.

If you need a reliable and decentralised emergency lighting

Emergency lighting eLLB 20 NIB 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.

More safety due to sophisticated micro-electronics

Thanks to a new charging and monitoring technology with intelligent microelectronics, the NIB emergency lighting luminaires provide reliable safety and reduced maintenance costs. A function test lasting 5 minutes, that is carried out automatically on a weekly basis, even during mains operation, and a quarterly partial duty-cycle test provide additional safety.



Features

- Standard dual channel ballast with EOL monitoring
- Flush installation, specially for clean rooms
- Available in painted sheet steel or stainless steel
- Safety interlocking due to integral automatic disconnect
- Automatic function test and partial duty cycle test
- LED display for indication of charging, operation or fault status
- Easy replacement of battery, even in Ex-area
- High degree of protection IP66
- Connection to CEAG emergency light monitoring systems possible (V-CG-S)
- Suitable for ceiling B15 fire resistance



and drastically reduce the necessary amount of manual tests. The charging and discharging functions are monitored constantly by the micro-processor and are indicated via a diode display. Only the spent energy is recharged – therefore, overcharging is not possible. The so-called memory effect cannot occur – the service life of the battery is optimized.

The need to replace a battery, a fault in the emergency lighting circuit or a faulty battery is indicated by the LED display. Due to a new type of battery connection, the battery can be replaced in the hazardous area. The emergency lighting cycle can be set locally for 1.5 or 3 hours. A remote switch inquiry is possible in conjunction with the twin-ended through-wiring. The separate battery housing can be mounted directly onto the light fitting or it can be recess-mounted up to 1.5 m away, depending on the ceiling raster. Connection is made using eXLink connectors and no tools are required.






Long-term safety

The recess-mounted ceiling luminaires of this robust lighting series with plastic enclosure are equipped with a highly-efficient electronic ballast, which has a reliable EOL circuit. Thus, the lamps are checked for proper operation and shut down safely in the event of a malfunction at the end of the service life. In addition, the dual-channel structure of the electronic ballasts allows the safe operation of the second lamp if one lamp fails.



Battery set NIB

Ordering details





| Type | Content | Terminals | Through-wiring single-ended | Through-wiring twin-ended | Cable gland/thread | Threaded plug | Blanking plug | Order No. |
|--|---|-----------|-----------------------------|---------------------------|-----------------------|---------------|---------------|-----------------------|
| eLLB 20018/18 V-CG-S | | | | | | | | |
|  | eLLB 20018/18 V-CG-S (2 x 18 W) painted | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 218 703 |
| | eLLB 20018/18 V-CG-S (2 x 18 W) painted | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 218 713 |
| | eLLB 20018/18 V-CG-S (2 x 18 W) st. steel | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 218 723 |
| | eLLB 20018/18 V-CG-S (2 x 18 W) st. steel | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 218 733 |
| eLLB 20036/36 V-CG-S | | | | | | | | |
|  | eLLB 20036/36 V-CG-S (2 x 36 W) painted | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 236 703 |
| | eLLB 20036/36 V-CG-S (2 x 36 W) painted | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 236 713 |
| | eLLB 20036/36 V-CG-S (2 x 36 W) st. steel | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 236 723 |
| | eLLB 20036/36 V-CG-S (2 x 36 W) st. steel | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 236 733 |
| eLLB 20058/58 V-CG-S | | | | | | | | |
|  | eLLB 20058/58 V-CG-S (2 x 58 W) painted | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 258 703 |
| | eLLB 20058/58 V-CG-S (2 x 58 W) painted | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 258 713 |
| | eLLB 20058/58 V-CG-S (2 x 58 W) st. steel | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 258 723 |
| | eLLB 20058/58 V-CG-S (2 x 58 W) st. steel | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 258 733 |
| eLLB 20418 V-CG-S | | | | | | | | |
|  | eLLB 20418 V-CG-S (4 x 18 W) painted | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 418 703 |
| | eLLB 20418 V-CG-S (4 x 18 W) painted | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 418 713 |
| | eLLB 20418 V-CG-S (4 x 18 W) st. steel | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 418 723 |
| | eLLB 20418 V-CG-S (4 x 18 W) st. steel | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 418 733 |
| eLLB 20436 V-CG-S | | | | | | | | |
|  | eLLB 20436 V-CG-S (4 x 36 W) painted | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 436 703 |
| | eLLB 20436 V-CG-S (4 x 36 W) painted | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 436 713 |
| | eLLB 20436 V-CG-S (4 x 36 W) st. steel | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 436 723 |
| | eLLB 20436 V-CG-S (4 x 36 W) st. steel | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 436 733 |

¹⁾ with metal thread, without cable gland

Scope of delivery without lamp and fixing accessories

Metal cable glands see catalogue part 2: 2.3.12 ff

Ordering details

| Type | Content | Terminals | Through-wiring single-ended | Through-wiring twin-ended | Cable gland/thread | Threaded plug | Blanking plug | Order No. | |
|---|------------------------------|--------------------------------|-----------------------------|---------------------------|--------------------|-----------------------|---------------|-----------|-----------------------|
| eLLB 20018/18 NIB | | | | | | | | | |
|  | eLLB 20018/18 NIB (2 x 18 W) | 2/6-2K painted | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 218 002 |
| | eLLB 20018/18 NIB (2 x 18 W) | 2/6-2K - st. steel | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 218 012 |
| | eLLB 20018/18 NIB (2 x 18 W) | 2/6-2M ¹⁾ painted | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 218 102 |
| | eLLB 20018/18 NIB (2 x 18 W) | 2/6-2M ¹⁾ st. steel | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 218 112 |
| eLLB 20036/36 NIB | | | | | | | | | |
|  | eLLB 20036/36 NIB (2 x 36 W) | 2/6-2K painted | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 236 002 |
| | eLLB 20036/36 NIB (2 x 36 W) | 2/6-2K - st. steel | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 236 012 |
| | eLLB 20036/36 NIB (2 x 36 W) | 2/6-2M ¹⁾ painted | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 236 102 |
| | eLLB 20036/36 NIB (2 x 36 W) | 2/6-2M ¹⁾ st. steel | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 236 112 |
| eLLB 20418 NIB | | | | | | | | | |
|  | eLLB 20418 NIB (4 x 18 W) | 2/6-2K painted | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 418 002 |
| | eLLB 20418 NIB (4 x 18 W) | 2/6-2K - st. steel | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 418 012 |
| | eLLB 20418 NIB (4 x 18 W) | 2/6-2M ¹⁾ painted | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 418 102 |
| | eLLB 20418 NIB (4 x 18 W) | 2/6-2M ¹⁾ st. steel | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 418 112 |
| eLLB 20436 NIB | | | | | | | | | |
|  | eLLB 20436 NIB (4 x 36 W) | 2/6-2K painted | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 436 002 |
| | eLLB 20436 NIB (4 x 36 W) | 2/6-2K - st. steel | 2 x 6 | – | x | 2 x M25, plastic | 2 x M25 | 1 | 1 2190 436 012 |
| | eLLB 20436 NIB (4 x 36 W) | 2/6-2M ¹⁾ painted | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 436 102 |
| | eLLB 20436 NIB (4 x 36 W) | 2/6-2M ¹⁾ st. steel | 2 x 6 | – | x | 4 x M20, metal thread | 2 x M20 | | 1 2190 436 112 |

¹⁾ with metal thread, without cable gland

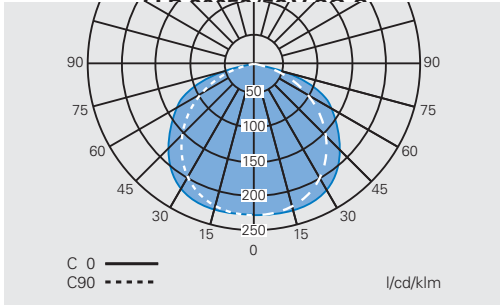
Scope of delivery without lamp and fixing accessories
Metal cable glands see catalogue part 2: 2.3.12 ff

2.7

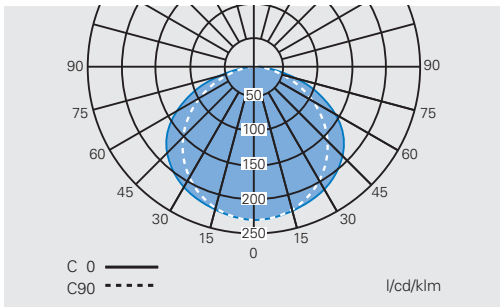
Dimension drawing / Polar curve

eLLB 20 ... V-CG-S / eLLB 20 ... NIB

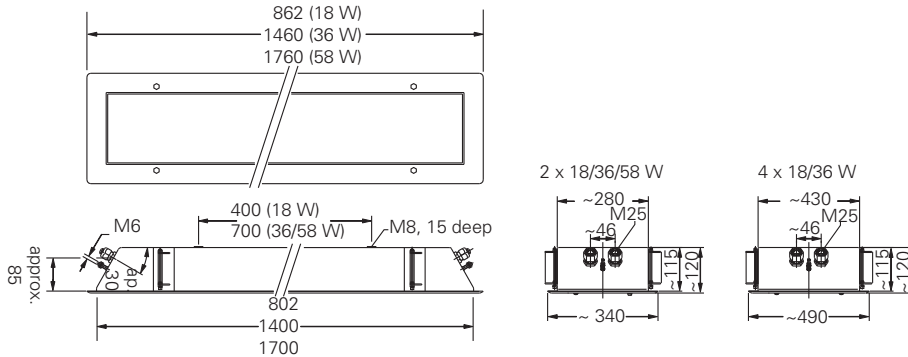
Polar curve eLLB 20018/18 NIB / V-CG-S eLLB 20036/36 NIB / V-CG-S



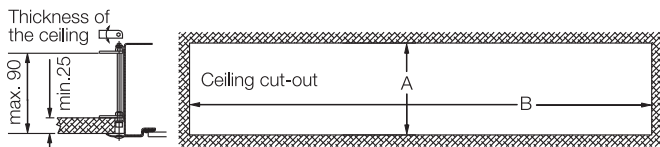
Polar curve eLLB 20418 V-CG-S / NIB eLLB 20436 V-CG-S / NIB



eLLB 20...

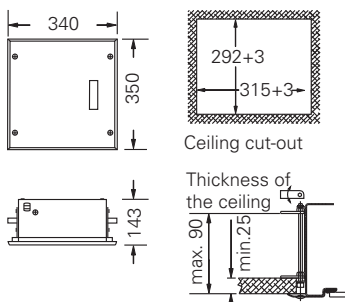


eLLB 20...



| | A | B |
|------------------------------|-------|--------|
| eLLB 20018/18 V-CG-S/ NIB | 315+3 | 832+5 |
| eLLB 20036/36 V-CG-S/ NIB | 315+3 | 1432+5 |
| eLLB 20058/58 CG | 315+3 | 1732+5 |
| eLLB 20418 V-CG-S/NIB | 465+3 | 832+5 |
| eLLB 20436 V-CG-S/NIB | 465+3 | 1432+5 |

Battery housing



Dimensions in mm



Technical data

eLLB 20018/18 V-CG-S

| | |
|---|---|
| EC-Type Examination Certificate | DMT 02 ATEX E 069 |
| IECEX Certificate of Conformity | IECEX BK1 08.0017 |
| Marking accd. to 94/9/EC | ⊕ II 2 G Ex e d m IIC T4 ⊕ II 2 D tD A21 IP66 T80 °C |
| Marking accd. to IECEx | Ex edmb ib IIC T4 Gb Ex tb IIC IP66 T 80 °C Db |
| Permissible ambient temperature | -25 °C up to +50 °C |
| Rated voltage | 220 - 254 V AC 195 - 250 V DC |
| Rated current | 0.19 A |
| Frequency | 50 - 60 Hz |
| Power factor cos φ | ≥ 0.95 |
| Circuit | EVG/CG-S |
| Protection class | I |
| Lamp / Illuminant | 2 x T26 / 18 W (T8) |
| Rated luminous flux | 2700 lm ¹⁾ |
| Lamp cap | G13 accd. to IEC 60061-1 |
| Light output ratio | 70% |
| Luminous flux in emergency operation | 1350 lm ¹⁾ |
| Dimensions (L x W x H) | 862 x 280 x 120 mm |
| Connecting terminals | L1, L2, L3, L, N, PE; max. 2 x 6 mm ² per terminal, through-wiring twin-ended |
| Enclosure colour | white RAL 9010 |
| Enclosure material | painted steel sheet, white optional polished stainless steel |
| Weight | 15.5 kg |
| Cable glands / gland plates / enclosure drilling | Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread ²⁾ |
| Degree of protection accd. to EN 60529 | IP66 |
| Protective cover / protective bowl | single-safety glass pane of 6 mm thick |
| Permissible ceiling tickness for fixing accessories | min. 25 mm to max. 90 mm |

¹⁾ depends on used lamps

²⁾ with dustcover if entry/thread is not closed



Technical data

| | eLLB 20036/36 V-CG-S | eLLB 20058/58 V-CG-S |
|---|--|--|
| EC-Type Examination Certificate | DMT 02 ATEX E 069 | DMT 02 ATEX E 069 |
| IECEX Certificate of Conformity | IECEX BK1 08.0017 | IECEX BK1 08.0017 |
| Marking accd. to 94/9/EC | ⊕ II 2 G Ex e d m IIC T4 ⊕ II 2 D tD A21 IP66 T80 °C | ⊕ II 2 G Ex e d m IIC T4 ⊕ II 2 D tD A21 IP66 T80 °C |
| Marking accd. to IECEx | Ex edmb ib IIC T4 Gb Ex tb IIIC IP66 T 80 °C Db | Ex edmb ib IIC T4 Gb Ex tb IIIC IP66 T 80 °C Db |
| Permissible ambient temperature | -25 °C up to +50 °C | -25 °C up to +50 °C |
| Rated voltage | 220 - 254 V AC 195 - 250 V DC | 220 - 254 V AC 195 - 250 V DC |
| Rated current | 0.35 A | 0.54 A |
| Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Power factor cos φ | ≥ 0.95 | ≥ 0.95 |
| Circuit | EVG/CG-S | EVG/CG-S |
| Protection class | I | I |
| Lamp / Illuminant | 2 x T26 / 36 W (T8) | 2 x T26 / 58 W (T8) |
| Rated luminous flux | 6700 lm ¹⁾ | 10400 lm ¹⁾ |
| Lamp cap | G13 accd. to IEC 60061-1 | G13 accd. to IEC 60061-1 |
| Light output ratio | 70% | 68% |
| Luminous flux in emergency operation | 3350 lm ¹⁾ | 5200 lm ¹⁾ |
| Dimensions (L x W x H) | 1460 x 280 x 120 mm | 1760 x 280 x 120 mm |
| Connecting terminals | L1, L2, L3, L, N, PE; max. 2 x 6 mm ² per terminal, through-wiring twin-ended | L1, L2, L3, L, N, PE; max. 2 x 6 mm ² per terminal, 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 | 22.5 kg | 26.5 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 | IP66 | IP66 |
| Protective cover / protective bowl | single-safety glass pane of 6 mm thick | single-safety glass pane of 6 mm thick |
| Permissible ceiling tickness for fixing accessories | min. 25 mm to max. 90 mm | min. 25 mm to max. 90 mm |

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

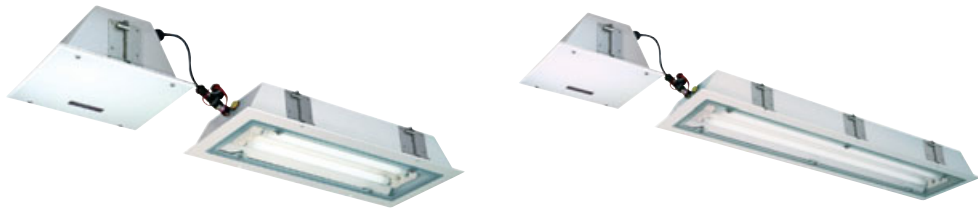


Technical data

| | eLLB 20418 V-CG-S | eLLB 20436 V-CG-S |
|---|--|--|
| EC-Type Examination Certificate | DMT 02 ATEX E 069 | DMT 02 ATEX E 069 |
| IECEX Certificate of Conformity | IECEX BK1 08.0017 | IECEX BK1 08.0017 |
| Marking accd. to 94/9/EC | ⊕ II 2 G Ex e d m IIC T4 ⊕ II 2 D tD A21 IP66 T80 °C | ⊕ II 2 G Ex e d m IIC T4 ⊕ II 2 D tD A21 IP66 T80 °C |
| Marking accd. to IECEx | Ex edmb ib IIC T4 Gb Ex tb IIIC IP66 T 80 °C Db | Ex edmb ib IIC T4 Gb Ex tb IIIC IP66 T 80 °C Db |
| Permissible ambient temperature | -25 °C up to +50 °C | -25 °C up to +50 °C |
| Rated voltage | 220 - 254 V AC 195 - 250 V DC | 220 - 254 V AC 195 - 250 V DC |
| Rated current | 0.37 A | 0.69 A |
| Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Power factor cos φ | ≥ 0.95 | ≥ 0.95 |
| Circuit | EVG/CG-S | EVG/CG-S |
| Protection class | I | I |
| Lamp / Illuminant | 4 x T26 / 18 W (T8) | 4 x T26 / 36 W (T8) |
| Rated luminous flux | 5400 lm ¹⁾ | 13400 lm ¹⁾ |
| Lamp cap | G13 accd. to IEC 60061-1 | G13 accd. to IEC 60061-1 |
| Light output ratio | 69% | 69% |
| Luminous flux in emergency operation | 1350 lm ¹⁾ | 3350 lm ¹⁾ |
| Dimensions (L x W x H) | 862 x 430 x 120 mm | 1460 x 430 x 120 mm |
| Connecting terminals | L1, L2, L3, L, N, PE; max. 2 x 6 mm ² per terminal, through-wiring twin-ended | L1, L2, L3, L, N, PE; max. 2 x 6 mm ² per terminal, 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 | 25.5 kg | 34.5 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 | IP66 | IP66 |
| Protective cover / protective bowl | single-safety glass pane of 6 mm thick | single-safety glass pane of 6 mm thick |
| Permissible ceiling tickness for fixing accessories | min. 25 mm to max. 90 mm | min. 25 mm to max. 90 mm |

¹⁾ depends on used lamps

²⁾ with dustcover if entry/thread is not closed



Technical data

| | eLLB 20018/18 NIB | eLLB 20036/36 NIB |
|--|--|--|
| EC-Type Examination Certificate | DMT 02 ATEX E 069 | DMT 02 ATEX E 069 |
| IECEX Certificate of Conformity | IECEX BK1 08.0017 | IECEX BK1 08.0017 |
| Marking accd. to 94/9/EC | <ul style="list-style-type: none"> ⊕ II 2 G Ex e d m ib IIC T4 ⊕ II 2 D tD A21 IP66 T80 °C | <ul style="list-style-type: none"> ⊕ II 2 G Ex e d m ib IIC T4 ⊕ II 2 D tD A21 IP66 T80 °C |
| Marking accd. to IECEX | <ul style="list-style-type: none"> Ex edmb ib IIC T4 Gb Ex tb IIIC IP66 T 80 °C Db | <ul style="list-style-type: none"> Ex edmb ib IIC T4 Gb Ex tb IIIC IP66 T 80 °C Db |
| Permissible ambient temperature | -20 °C up to +50 °C (specified data: -5 °C up to +35 °C) | -20 °C up to +50 °C (specified data: -5 °C up to +35 °C) |
| Battery | battery set with 7 Ah-NC battery, with LED display and monitoring via microprocessor | battery set with 7 Ah-NC battery, with LED display and monitoring via microprocessor |
| Rated voltage | 220 - 254 V AC | 220 - 254 V AC |
| Rated voltage (optional) | 110 - 127 V AC | 110 - 127 V AC |
| Rated current | 0.23 A | 0.40 A |
| Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Charging duration | ≥ 14 h | ≥ 14 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) |
| Rated luminous flux | 2600 lm ¹⁾ | 6700 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) | 1215 lm (90 %) | 1507 lm (45 %) |
| Luminous flux in emergency operation (3 h, one lamp) | 607 lm (45 %) | 837 lm (25 %) |
| Rated emergency lighting duration | 1-lamps can be set on site for an emergency lighting duration of 1.5 or 3 hours | 1-lamps can be set on site for an emergency lighting duration of 1.5 or 3 hours |
| Dimensions (L x W x H) | 862 x 280 x 120 mm | 1460 x 280 x 120 mm |
| Battery housing dimensions (L x W x H) | 305 x 340 x 143 mm | 305 x 340 x 143 mm |
| Connection battery enclosure | connection via 1.5 m long connection lead with plugs | connection via 1.5 m long connection lead with plugs |
| Connecting terminals | L1, L2, L3, L, N, PE; max. 2 x 6 mm ² per terminal | L1, L2, L3, L, N, PE; max. 2 x 6 mm ² per terminal |
| 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 | 18 kg | 25 kg |
| Battery housing weight | 5.7 kg | 5.7 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 | IP66 | IP66 |
| Protective cover / protective bowl | single-safety glass pane of 6 mm thick | single-safety glass pane of 6 mm thick |
| Permissible ceiling tickness for fixing accessories | min. 25 mm to max. 90 mm | min. 25 mm to max. 90 mm |

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



Technical data

| | eLLB 20418 NIB | eLLB 20436 NIB |
|--|--|--|
| EC-Type Examination Certificate | DMT 02 ATEX E 069 | DMT 02 ATEX E 069 |
| IECEX Certificate of Conformity | IECEX BK1 08.0017 | IECEX BK1 08.0017 |
| Marking accd. to 94/9/EC | ⊕ II 2 G Ex e d m ib IIC T4 ⊕ II 2 D tD A21 IP66 T80 °C | ⊕ II 2 G Ex e d m ib IIC T4 ⊕ II 2 D tD A21 IP66 T80 °C |
| Marking accd. to IECEX | Ex edmb ib IIC T4 Gb Ex tb IIIC IP66 T 80 °C Db | Ex edmb ib IIC T4 Gb Ex tb IIIC IP66 T 80 °C Db |
| Permissible ambient temperature | -20 °C up to +50 °C (specified data: -5 °C up to +35 °C) | -20 °C up to +50 °C (specified data: -5 °C up to +35 °C) |
| Battery | battery set with 7 Ah-NC battery, with LED display and monitoring via microprocessor | battery set with 7 Ah-NC battery, with LED display and monitoring via microprocessor |
| Rated voltage | 220 - 254 V AC | 220 - 254 V AC |
| Rated voltage (optional) | 110 - 127 V AC | 110 - 127 V AC |
| Rated current | 0.41 A | 0.74 A |
| Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Charging duration | ≥ 14 h | ≥ 14 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 | 4 x T26 / 18 W (T8) | 4 x T26 / 36 W (T8) |
| Rated luminous flux | 5400 lm ¹⁾ | 13400 lm ¹⁾ |
| Lamp cap | G13 accd. to IEC 60061-1 | G13 accd. to IEC 60061-1 |
| Light output ratio | 69% | 69% |
| Luminous flux in emergency operation (1.5 h, one lamp) | 1215 lm (90 %) | 1507 lm (45 %) |
| Luminous flux in emergency operation (3 h, one lamp) | 607 lm (45 %) | 837 lm (25 %) |
| Rated emergency lighting duration | 1-lamps can be set on site for an emergency lighting duration of 1.5 or 3 hours | 1-lamps can be set on site for an emergency lighting duration of 1.5 or 3 hours |
| Dimensions (L x W x H) | 862 x 430 x 120 mm | 1460 x 430 x 120 mm |
| Battery housing dimensions (L x W x H) | 305 x 340 x 143 mm | 305 x 340 x 143 mm |
| Connection battery enclosure | connection via 1.5 m long connection lead with plugs | connection via 1.5 m long connection lead with plugs |
| Connecting terminals | L1, L2, L3, L, N, PE; max. 2 x 6 mm ² per terminal | L1, L2, L3, L, N, PE; max. 2 x 6 mm ² per terminal |
| 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 | 29 kg | 38 kg |
| Battery housing weight | 5.7 kg | 5.7 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 | IP66 | IP66 |
| Protective cover / protective bowl | single-safety glass pane of 6 mm thick | single-safety glass pane of 6 mm thick |
| Permissible ceiling tickness for fixing accessories | min. 25 mm to max. 90 mm | min. 25 mm to max. 90 mm |

¹⁾ depends on used lamps

²⁾ with dustcover if entry/thread is not closed

