



For explosion hazard environment group II, category 3 (zone 2, 22).

USE

The light fitting is suitable for the environment with a danger of explosion of gas, dust and combustible fumes. The light fittings meet the requirements of European Community Directive No.2014/34/EU.

The light fitting is certified for the environment:

Ex II 3G Ex nR IIC T6 Gc

Ex II 3D Ex tc IIIC T70°C Dc

The basic requirements for safety and health protection are secured by the verification of conformity with the standards according to EN 60079-15, EN 60079-0 and EN 60079-31.

The light fitting is resistant to deformation, dust, spouting water and have increased chemical resistance.

ADVANTAGES

- Light fitting protection:IP65
- Maximum ambient temperature up to $t_a = 45^{\circ}\text{C}$
- Lifetime: 50,000 hours / L90B10
- High chemical and mechanical robustness IK10
- Diffuser: satinated tempered safety glass
- Body: stainless sheet
- Up to 45 % lower electricity consumption when compared to tubes T5
- It can be delivered in dimmable or permanent emergency version M3h
- In DALI version possibility of constant luminous flux for whole lifetime (CLO)
- Constant luminous flux even in ambient temperature of -25°C
- Standard model - CRI > 80: 4000 K
- At request CRI >80: 3000K, 5000K, 6500K,
- CRI > 90: 3000K, 4000K, 5000 K, 6500K
- Certification: TÜV CY 23 ATEX 0206818 X

TECHNICAL DESCRIPTION

- Light fitting protection: IP65
- Maximum ambient temperature: $t_a = 45^{\circ}\text{C}$,
- Maximum ambient temperature: $t_a = 0-35^{\circ}\text{C}$ with a back-up power supply M3h
- Maximum system efficacy: 141 lm/W
- The watt and lumen values can vary by $\pm 7,5\%$
- Standard model - CRI > 80: 4000 K
- MacAdam = 3 SDCM
- Lifetime: 50,000 hours / L90B10
- Diffuser: satinated tempered safety glass
- Body: stainless sheet, impact-resistant, chemically resistant
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: stainless
- Sealing: silicone, at light fitting body
- Cable glands: M20x1.5 ATEX - plastic, stainless or brass with surface treatment
- Terminal block: screwless, three-pole (basic version)
- The package includes: stainless hooks and stainless brackets
- Electric equipment: LED modules, current driver or current driver DALI

TYPE COMPARISON



| Type | Ambient temperature [°C] | Luminous flux of LED modules [lm] | Luminous flux of light fitting [lm] | Power consumption [W] | System efficacy [lm/W] | UGR Longitudinal/transverse | Net weight [kg] | A [mm] | D [mm] |
|---|--------------------------|-----------------------------------|-------------------------------------|-----------------------|------------------------|-----------------------------|-----------------|--------|--------|
| Body: stainless sheet - diffuser: satinated tempered safety glass | | | | | | | | | |
| PERUN SLIM Ex 1.2ft 1600/840 | -25 45 | 1820 | 1460 | 11,4 | 128 | 20.6 / 21.5 | 2,4 | 680 | 360 |
| PERUN SLIM Ex 1.2ft 2200/840 | -25 45 | 2500 | 2000 | 15,4 | 130 | 21.7 / 22.6 | 2,4 | 680 | 360 |
| PERUN SLIM Ex 1.4ft 3200/840 | -25 45 | 3620 | 2900 | 22,2 | 131 | 20.8 / 21.6 | 4,3 | 1290 | 850 |
| PERUN SLIM Ex 1.4ft 4400/840 | -25 45 | 5020 | 4020 | 30,3 | 133 | 21.9 / 22.7 | 4,3 | 1290 | 850 |
| PERUN SLIM Ex 1.4ft 6400/840 | -25 40 | 7140 | 5710 | 42,1 | 136 | 23.1 / 24.0 | 4,3 | 1290 | 850 |
| PERUN SLIM Ex 1.4ft 8800/840 | -25 40 | 10140 | 8110 | 57,9 | 140 | 24.3 / 25.2 | 4,3 | 1290 | 850 |
| PERUN SLIM Ex 1.5ft 4000/840 | -25 45 | 4490 | 3590 | 27,1 | 132 | 20.8 / 21.6 | 5,3 | 1600 | 1050 |
| PERUN SLIM Ex 1.5ft 5500/840 | -25 45 | 6230 | 4980 | 37,2 | 134 | 21.9 / 22.7 | 5,3 | 1600 | 1050 |
| PERUN SLIM Ex 1.5ft 8000/840 | -25 40 | 9080 | 7260 | 51,6 | 141 | 23.2 / 24.0 | 5,3 | 1600 | 1050 |
| PERUN SLIM Ex 1.5ft 11000/840 | -25 40 | 12310 | 9850 | 71,1 | 139 | 24.3 / 25.1 | 5,3 | 1600 | 1050 |

PERUN SLIM Ex

| Code | Type |
|--------|-------------------------------|
| 103435 | PERUN SLIM Ex 1.2ft 1600/840 |
| 103436 | PERUN SLIM Ex 1.2ft 2200/840 |
| 103437 | PERUN SLIM Ex 1.4ft 3200/840 |
| 103438 | PERUN SLIM Ex 1.4ft 4400/840 |
| 103439 | PERUN SLIM Ex 1.4ft 6400/840 |
| 103440 | PERUN SLIM Ex 1.4ft 8800/840 |
| 103441 | PERUN SLIM Ex 1.5ft 4000/840 |
| 103442 | PERUN SLIM Ex 1.5ft 5500/840 |
| 103443 | PERUN SLIM Ex 1.5ft 8000/840 |
| 103444 | PERUN SLIM Ex 1.5ft 11000/840 |

Non-dimmable driver, diffuser: polished thermally toughened safety glass

| 1F | 3F | M3h | 3F M3h |
|--------|--------|--------|--------|
| 103445 | 103455 | x | x |
| 103446 | 103456 | x | x |
| 103447 | 103457 | 103465 | 103473 |
| 103448 | 103458 | 103466 | 103474 |
| 103449 | 103459 | x | x |
| 103450 | 103460 | x | x |
| 103451 | 103461 | 103469 | 103477 |
| 103452 | 103462 | 103470 | 103478 |
| 103453 | 103463 | x | x |
| 103454 | 103464 | x | x |

PERUN SLIM Ex DALI

| Code | Type |
|--------|------------------------------------|
| 103481 | PERUN SLIM Ex 1.2ft 1600/840 DALI |
| 103482 | PERUN SLIM Ex 1.2ft 2200/840 DALI |
| 103483 | PERUN SLIM Ex 1.4ft 3200/840 DALI |
| 103484 | PERUN SLIM Ex 1.4ft 4400/840 DALI |
| 103485 | PERUN SLIM Ex 1.4ft 6400/840 DALI |
| 103486 | PERUN SLIM Ex 1.4ft 8800/840 DALI |
| 103487 | PERUN SLIM Ex 1.5ft 4000/840 DALI |
| 103488 | PERUN SLIM Ex 1.5ft 5500/840 DALI |
| 103489 | PERUN SLIM Ex 1.5ft 8000/840 DALI |
| 103490 | PERUN SLIM Ex 1.5ft 11000/840 DALI |

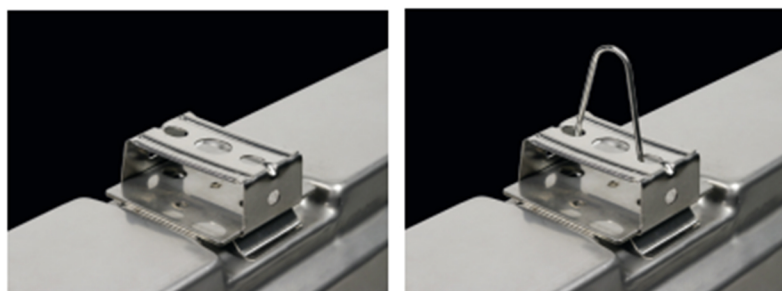
Digital dimmable driver DALI, diffuser: polished thermally toughened safety glass

| 1F | 3F | M3h | 3F M3h |
|--------|--------|--------|--------|
| 103491 | 103501 | x | x |
| 103492 | 103502 | x | x |
| 103493 | 103503 | 103511 | 103519 |
| 103494 | 103504 | 103512 | 103520 |
| 103495 | 103505 | x | x |
| 103496 | 103506 | x | x |
| 103497 | 103507 | 103515 | 103523 |
| 103498 | 103508 | 103516 | 103524 |
| 103499 | 103509 | x | x |
| 103500 | 103510 | x | x |

MOUNTING

LIGHT FITTING ATTACHMENT

- a) Directly to a ceiling or a wall with the use of screws and stainless brackets
- b) Suspension with the use of stainless hooks



LIGHT FITTING DETAILED VIEW

PERUN SLIM Ex

