

PERUN SLIM Ex



... 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.

Characteristics of the used tempered glass and its shattering power are controlled by the EN 12150-1 standard. For applications where spontaneous fracture means a higher safety risk.

ADVANTAGES

- Light fitting protection **IP65**
- Maximum ambient temperature up to **t_a = 45 °C**
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- 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 M3hAt
- 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: 3000 K, 5000 K, 6500 K, CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K
- Certification: TÜV CY 23 ATEX 0206818 X

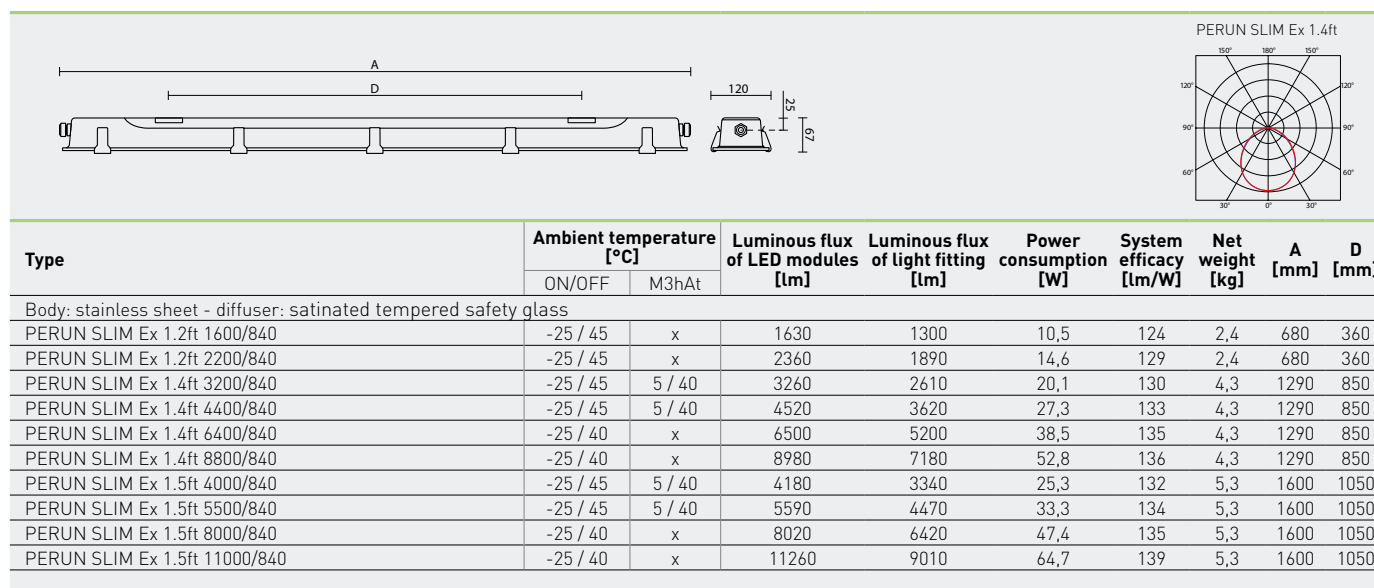


PERUN SLIM Ex



TECHNICAL DESCRIPTION

- Light fitting protection: IP65
- Maximum ambient temperature: $t_a = 45^\circ\text{C}$, Maximum ambient temperature: $t_a = 5-40^\circ\text{C}$ with a back-up power supply M3hAt
- Maximum system efficacy: 139 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
- Lifetime: 100,000 hours / L80B10
- Diffuser: sated 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



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	M3hAt	3F M3hAt
103445	103455	x	x
103446	103456	x	x
103447	103457	109852	109856
103448	103458	109853	109857
103449	103459	x	x
103450	103460	x	x
103451	103461	109854	109858
103452	103462	109855	109859
103453	103463	x	x
103454	103464	x	x

PERUN SLIM Ex DALI

Code	Type
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	M3hAt	3F M3hAt
103493	103503	109860	109864
103494	103504	109861	109865
103495	103505	x	x
103496	103506	x	x
103497	103507	109862	109866
103498	103508	109863	109867
103499	103509	x	x
103500	103510	x	x

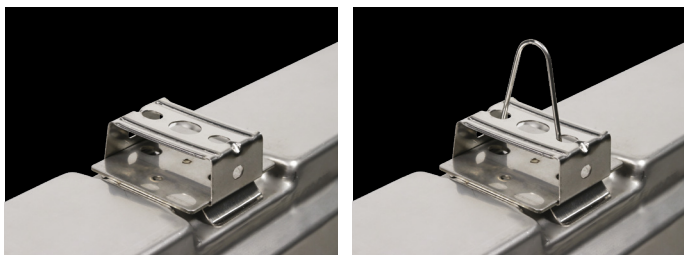
LEGEND

- 1F** - 1-phase 3 core through-wiring in the luminaire
- 3F** - 3-phase 5 core through-wiring in the luminaire
- M3hAt** - emergency back-up source with 3 hour operating time for maintained emergency illumination with battery autotest
- 3F M3hAt** - 3-phase 5 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)

- DALI** - version with digital dimmable driver DALI
- DALI 1F** - 1-phase 5 core through-wiring in the luminaire
- DALI 3F** - 3-phase 7 core through-wiring in the luminaire
- DALI 3F M3hAt** - 3-phase 7 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)

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**

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