

PERUN SLIM Ex

NEW



... 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

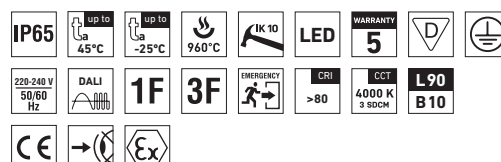
The basic requirements for safety and health protection are secured by the verification of conformity with the standards according to EN 60079-15, EN 60079-0 and EN 60079-31.

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 **$t_a = 45^\circ\text{C}$**
- 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: 3000 K, 4000 K, 5000 K, 6500 K, CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K
- Certification: TÜV CY 23 ATEX 0206818 X

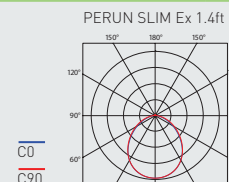


PERUN SLIM Ex



TECHNICAL DESCRIPTION

- Light fitting protection: IP65
- Maximum ambient temperature: $t_a = 45^\circ\text{C}$, Maximum ambient temperature: $t_a = 0-35^\circ\text{C}$ 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	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

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

Code	Type	1F	3F	M3h	3F M3h
103435	PERUN SLIM Ex 1.2ft 1600/840	103445	103455	x	x
103436	PERUN SLIM Ex 1.2ft 2200/840	103446	103456	x	x
103437	PERUN SLIM Ex 1.4ft 3200/840	103447	103457	103465	103473
103438	PERUN SLIM Ex 1.4ft 4400/840	103448	103458	103466	103474
103439	PERUN SLIM Ex 1.4ft 6400/840	103449	103459	x	x
103440	PERUN SLIM Ex 1.4ft 8800/840	103450	103460	x	x
103441	PERUN SLIM Ex 1.5ft 4000/840	103451	103461	103469	103477
103442	PERUN SLIM Ex 1.5ft 5500/840	103452	103462	103470	103478
103443	PERUN SLIM Ex 1.5ft 8000/840	103453	103463	x	x
103444	PERUN SLIM Ex 1.5ft 11000/840	103454	103464	x	x

PERUN SLIM Ex DALI

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

Code	Type	1F	3F	M3h	3F M3h
103481	PERUN SLIM Ex 1.2ft 1600/840 DALI	103491	103501	x	x
103482	PERUN SLIM Ex 1.2ft 2200/840 DALI	103492	103502	x	x
103483	PERUN SLIM Ex 1.4ft 3200/840 DALI	103493	103503	103511	103519
103484	PERUN SLIM Ex 1.4ft 4400/840 DALI	103494	103504	103512	103520
103485	PERUN SLIM Ex 1.4ft 6400/840 DALI	103495	103505	x	x
103486	PERUN SLIM Ex 1.4ft 8800/840 DALI	103496	103506	x	x
103487	PERUN SLIM Ex 1.5ft 4000/840 DALI	103497	103507	103515	103523
103488	PERUN SLIM Ex 1.5ft 5500/840 DALI	103498	103508	103516	103524
103489	PERUN SLIM Ex 1.5ft 8000/840 DALI	103499	103509	x	x
103490	PERUN SLIM Ex 1.5ft 11000/840 DALI	103500	103510	x	x

Example of type marking: 103478 = PERUN SLIM Ex 1.5ft 5500/840 **3F M3h**

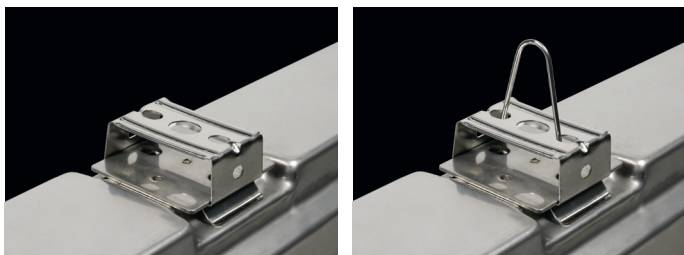
LEGEND

- 1F** 1-phase 3 core through-wiring in the luminaire
- 3F** 3-phase 5 core through-wiring in the luminaire
- M3h** emergency back-up source with 3 hour operating time for maintained emergency illumination
- 3F M3h** 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 M3h** 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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