ЮНИА-Т ЕООД
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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:
Ɛx II 3G Ex nR IIC T6 Gc
Ɛx 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

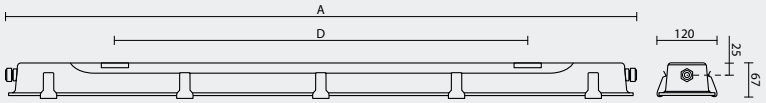
- Light fitting protection **IP65**
- Maximum ambient temperature up to t_a = **45 °C**
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- High chemical and mechanical robustness IK10
- Diffuser: satinated tempered safety glass
- Body: stainless sheet
- Up to 45 % lower electricity 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



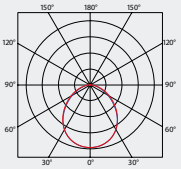
TECHNICAL DESCRIPTION

- Light fitting protection: IP65
- Maximum ambient temperature: t_a = 45 °C, Maximum ambient temperature: t_a = 0-40 °C with a back-up power supply M3hAt
- Maximum system efficacy: 139 lm/W
- The watt and lumen values can vary by ± 7,5 %
- Standard model - CRI > 80: 4000 K
- MacAdam = 3 SDCM
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- 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



UGR EVALUATED FOR	
X = 4 H, Y = 8 H	S = 0.25 H
Reflectivity	70/50/20

PERUN SLIM Ex 1.4ft



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]
	ON/OFF	M3hAt								
Body: stainless sheet - diffuser: satinated tempered safety glass										
PERUN SLIM Ex 1.2ft 1600/840	-25 / 45	x	1630	1300	10,5	124	21.1 / 21.9	2,4	680	360
PERUN SLIM Ex 1.2ft 2200/840	-25 / 45	x	2360	1890	14,6	129	22.4 / 23.2	2,4	680	360
PERUN SLIM Ex 1.4ft 3200/840	-25 / 45	0 / 40	3260	2610	20,1	130	21.2 / 22.0	4,3	1290	850
PERUN SLIM Ex 1.4ft 4400/840	-25 / 45	0 / 40	4520	3620	27,3	133	22.3 / 23.1	4,3	1290	850
PERUN SLIM Ex 1.4ft 6400/840	-25 / 40	x	6500	5200	38,5	135	23.6 / 24.4	4,3	1290	850
PERUN SLIM Ex 1.4ft 8800/840	-25 / 40	x	8980	7180	52,8	136	24.7 / 25.5	4,3	1290	850
PERUN SLIM Ex 1.5ft 4000/840	-25 / 45	0 / 40	4180	3340	25,3	132	21.3 / 22.1	5,3	1600	1050
PERUN SLIM Ex 1.5ft 5500/840	-25 / 45	0 / 40	5590	4470	33,3	134	22.3 / 23.1	5,3	1600	1050
PERUN SLIM Ex 1.5ft 8000/840	-25 / 40	x	8020	6420	47,4	135	23.6 / 24.4	5,3	1600	1050
PERUN SLIM Ex 1.5ft 11000/840	-25 / 40	x	11260	9010	64,7	139	24.8 / 25.5	5,3	1600	1050

PERUN SLIM Ex

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

Code	Type	1F	3F	M3hAt	3F M3hAt
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	109852	109856
103438	PERUN SLIM Ex 1.4ft 4400/840	103448	103458	109853	109857
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	109854	109858
103442	PERUN SLIM Ex 1.5ft 5500/840	103452	103462	109855	109859
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

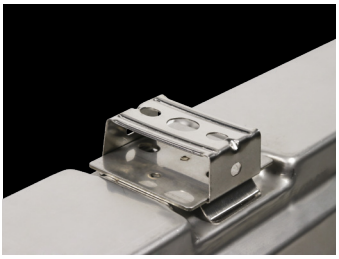
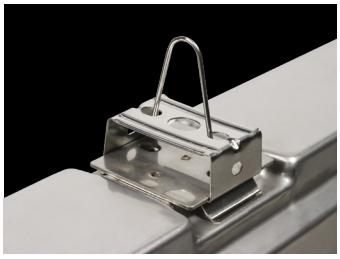
Code	Type	1F	3F	M3hAt	3F M3hAt
103483	PERUN SLIM Ex 1.4ft 3200/840 DALI	103493	103503	109860	109864
103484	PERUN SLIM Ex 1.4ft 4400/840 DALI	103494	103504	109861	109865
103485	PERUN SLIM Ex 1.4ft 6400/840 DALI	103495	103505	x	x
103486	PERUN SLIM Ex 1.4ft 8800/840 DALI	103496	103506	x	x
103487	PERUN SLIM Ex 1.5ft 4000/840 DALI	103497	103507	109862	109866
103488	PERUN SLIM Ex 1.5ft 5500/840 DALI	103498	103508	109863	109867
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

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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