

# PERUN Ex



... stainless for environment with Ex II zone explosion danger.

## USE

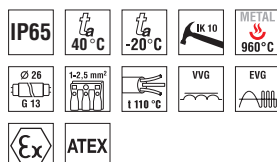
The light fitting is suitable for the environment with a danger of explosion of gases, dust and combustible fumes. The light fittings meet the requirements of Government Decree 23/2003 Coll. and European Community Directive No.94/9/EC. We recommend the light fitting for the environment: Ex II 3G Ex nA IIC T3-4 Gc and 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 ČSN EN 60079-15, ČSN EN 60079-0 and ČSN EN 60079-31.

The light fitting is resistant to deformation, dust, spouting water and chemically aggressive environment.

Characteristics of the used tempered glass and its shattering power are controlled by the ČSN EN 12150-1 standard.

## ADVANTAGES

- Light fitting protection **IP65**
- Maximum ambient temperature **t<sub>a</sub> = 40 °C**
- Diffuser: tempered glass with high mechanical resistance
- Clips: stainless steel
- Certification: Ex, ATEX

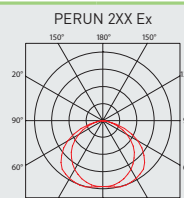
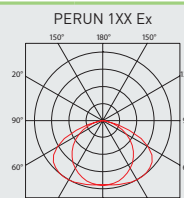


# PERUN Ex



## TECHNICAL DESCRIPTION

- Diffuser: tempered glass with wire cords for suspension at assembly
- Body: stainless sheet
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: stainless
- Sealing: silicon, at light fitting body
- Cable glands: skintop MS-M ATEX 20x1,5
- Terminal block: screwless, three-pole (basic version)
- Installation: package contains stainless lugs, stainless washers, rubber distance washers
- Electric equipment: inductive ballast and pulse starter EFS, electronic ballast Tridonic T8, halogen-free wires with higher temperature resistance up to 110 °C
- Light fitting protection: IP65
- Maximum ambient temperature: EVG  $t_a = 40\text{ °C}$ ; VVG  $t_a = 30\text{ °C}$
- Minimum ambient temperature: EVG  $t_a = -20\text{ °C}$ ; VVG  $t_a = -20\text{ °C}$



Code	Type	Light sources [W]	Luminous flux [lm]*	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Diffuser made of tempered glass - electronic ballast - T8/G13							
45015	PERUN 118 Ex E	1x18	1350*	66	2.9	705	485
45025	PERUN 136 Ex E	1x36	3350*	66	4.9	1305	1095
45035	PERUN 158 Ex E	1x58	5200*	66	6.4	1605	1395
45045	PERUN 218 Ex E	2x18	2700*	60	4.9	705	485
45055	PERUN 236 Ex E	2x36	6700*	60	7.0	1305	1095
45065	PERUN 258 Ex E	2x58	10400*	60	7.5	1605	1395
Diffuser made of tempered glass - inductive ballast, parallel compensating capacitor (K) - T8/G13							
45011	PERUN 118 Ex K	1x18	1350*	66	3.5	705	485
45021	PERUN 136 Ex K	1x36	3350*	66	5.4	1305	1095
45031	PERUN 158 Ex K	1x58	5200*	66	7.2	1605	1395
45041	PERUN 218 Ex K	2x18	2700*	60	5.3	705	485
45051	PERUN 236 Ex K	2x36	6700*	60	7.9	1305	1095
45061	PERUN 258 Ex K	2x58	10400*	60	8.9	1605	1395

\* - total luminous flux of the light fitting with T8/840 sources at the temperature of 25 °C

## PERUN Ex E

Diffuser made of tempered glass, electronic ballast T8, stainless clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
45015	PERUN 118 Ex E	x	x	x	x	x	x
45025	PERUN 136 Ex E	45026	45006	x	x	x	x
45035	PERUN 158 Ex E	45036	45016	x	x	x	x
45045	PERUN 218 Ex E	x	x	x	x	x	x
45055	PERUN 236 Ex E	45056	45086	x	x	x	x
45065	PERUN 258 Ex E	45066	45096	x	x	x	x

## PERUN Ex K

Diffuser made of tempered glass, inductive ballast, parallel compensating capacitor (K), stainless clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
45011	PERUN 118 Ex K	x	x	x	x	x	x
45021	PERUN 136 Ex K	45022	45002	x	x	x	x
45031	PERUN 158 Ex K	45032	45012	x	x	x	x
45041	PERUN 218 Ex K	x	x	x	x	x	x
45051	PERUN 236 Ex K	45052	45082	x	x	x	x
45061	PERUN 258 Ex K	45062	45092	x	x	x	x

Example of type marking: 45092 = PERUN 258 Ex K **3F**

## LEGEND

- E** - electronic ballast
- K** - parallel compensating capacitor
- 1F** - 1 phase wiring cables for through-wiring
- 3F** - 3 phase wiring cables for through-wiring

- M1h** - emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
- M3h** - emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination

Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

**LIGHT FITTING ATTACHMENT**

- a) Suspension with the use of stainless lugs and wire cords to a ceiling  
b) Directly to a ceiling or a wall with the use of screws, stainless and rubber distance washers

**LIGHT FITTING DETAILED VIEW**

PERUN Ex

