

TRILUX LED

EXPLOSION - PROOF LUMINAIRES

Zone 2/22
II 3G Ex nR IIC T6 Gc
II 3D Ex tc IIIC T80°C Dc

Explosion-proof light fitting for the illumination of indoor and outdoor industrial spaces with a danger of gas, vapour and dust explosion



TECHNICAL DESCRIPTION

The light fitting body and flange are AlSi alloy castings finished with RAL 1005 powder paint. There are two cable outlets on the body sides. There is a LED module built inside the light fitting and it is comprised of a board fitted with LEDs and a power supply. The light fitting is designed as a through light fitting, for three-phase connection (five-core cable). When the light fitting is used as a terminal light fitting, the free cable outlet is blinded with a plug. The max. cross-section of the connecting conductors is 4 mm². The light fitting is produced with plastic cable gland as standard, metal gland is available on request.

INSTALLATION

On the ceiling, wall, or another solid substrate (structure) ensuring firm connection.

VERSIONS

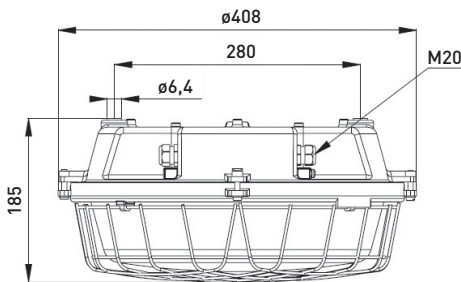
The light fittings are provided with a self-resetting thermal fuse and a surge guard up to 10 kV.

LIFETIME

100.000 hours, L90B10

DRIVER FUNCTIONS

e CLO, ITG, IVG+, NFC, ETM+NTC, inputDIM



			IP66	ATEX 2014/34/EU
198 - 264V AC 176 - 280V DC		50 Hz 60 Hz	Ta -40°C ÷ +50°C	
Carton (mm/pcs) 400 x 400 x 190 / 1				

Type	Power input [W] / Luminous flux [lm]	Luminous efficiency [lm/W]	Temperature class	Angle of beam [°]	Colour temperature [K]	CRI	Weight [kg]
591 33 01n	50 / 6980	140	T6	120	4000, 5000, 5700, 6500	>80	8
591 33 02n	30 / 4613	148	T6	120	4000, 5000, 5700, 6500	>80	8
591 33 03n	20 / 3020	146	T6	120	4000, 5000, 5700, 6500	>80	8

MAXIMUM CIRCUIT BREAKER LOAD AND NUMBER OF LUMINAIRES CONNECTED IN SERIES

Circuit breaker	C10	C13	C16	C20	B10	B13	B16	B20
Amount of luminaires max	10	13	16	21	6	8	10	13
Conductor cross-section	1,5	1,5	2,5	4	1,5	1,5	2,5	4

Starting current I _{max}	time
32A	355us

* Actual values may vary due to the types of circuit breakers used and the installation environment.

TO ORDER



Protective glass
232.5070



Protective basket
1-99.5984/1



Wall/ceiling holder
338.2779



Screw plug
V-Ex M20x1,5



Blinding plug
HSK-V-Ex M20x1,5

LUMINAIRES CONFIGURATOR

Applies to a group of luminaires **BILUX LED, TRILUX LED, TUB LED, TUB LED PRO, TURTLE LED, TURTLE LED PRO**

591 34 01PRO 1 - 1D 2 - 30 3 - 11 4 - M20 5 - 4K 6

1 Type

1
1D
2

30
40
50

10
11

M20
M25
P20
P25
Q20
Q25

4K
5K
5K7
6K
6K5

2 Driver

1 - TRIDONIC
1D - TRIDONIC with DALI II
2 - TCI

3 Wiring

30 - single 3-pole terminal →

3	0
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40 - single 4-pole terminal →

4	0
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50 - single 5-pole terminal →

5	0
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4 Cable inlets - quantity

1 - one cable inlet on the side of the housing →

1	0
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11 - one cable inlet on both sides of the housing →

1	1
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5 Type of cable inlets

M20 - METAL, 6 mm - 13 mm
M25 - METAL, 9 mm - 17 mm
P20 - PLASTIC, 6 mm - 13 mm
P25 - PLASTIC, 9 mm - 17 mm
Q20 - PLASTIC 6 mm - 13 mm QUICK CONNECTOR - 3 POLE
Q25 - PLASTIC 9 mm - 17 mm QUICK CONNECTOR - 5 POLE

6 Colour temperature

4K - 4000 K
5K - 5000 K
5K7 - 5700 K
6K - 6000 K
6K5 - 6500 K