

Escape Ex1

Emergency LED Lighting fixture for zone 1/21



The Escape Ex1 series lighting fixtures are specifically designed for use in potentially explosive areas, certified for ATEX Zone 1/21 hazardous environments. High quality LED components guarantee exceptional efficiency up to 116 lm/W and extremely long lifetime of 100,000 hours even at elevated temperatures.

Their IP66 and IK10 protection ratings guarantee reliable performance even in the harshest industrial conditions. The lightweight yet robust body, made of UV-stable polycarbonate (RAL 7035), ensures long-term durability without degradation from environmental factors. The opal polycarbonate cover provides effective light diffusion while maintaining high impact resistance, further enhancing their operational reliability. These fixtures offer versatile mounting solutions and feature innovative emergency function control that enables safe operation without opening the luminaire in hazardous areas.

- High efficiency with 100,000 hour lifetime
- ATEX / IECEx certification ZONE 1/21
- Compact design with robust IK10 housing
- Made in Europe
- Wide temperature range: -30 °C to +55 °C

Reference standards

Directive 2014/34/EU	
ATEX Ex protection type	Ⓜ II 2G Ex eb mb IIC T4 Gb Ⓜ II 2D Ex tb IIIC T85°C Db
ATEX certificate number	<i>pending</i>
Rules of compliance	EN/IEC 60079-0: 2017 EN/IEC 60079-18: 2017 EN/IEC 60079-31: 2022 EN/IEC 60079-7: 2017
IECEx Ex protection type	Ex eb mb IIC T4 Gb Ex tb IIIC T85°C Db
IECEx certificate number	<i>pending</i>
Ingress protection	IP66
Impact Protection	IK10
Temperature range	-30 °C to +55 °C

Electrical characteristics

Power supply	EP – electronic - 220–240 V, 50/60 Hz
Lamp source	LED 4000K, CRI +80 Lifetime: > 70.000 hours L80B10 Ta@ 30 °C > 100.000 hours L70B10 Ta@ 30 °C
Connection	Polyamid cable gland M20x1,5mm (6-12 mm diameter)
Terminals	Screwless terminal block, max. wire cross-section 2.5 mm²
Emergency unit	emergency unit composed of inverter charger and Ni-Cd battery pack, autonomy 180 min

Mechanical characteristics

Body	Plastic material PC (polycarbonate), colour grey RAL 7035
Cover	PC (polycarbonate) opal
Fastening	Direct fixing to the ceiling or wall of the illuminated space by means of two self-locking fixing pens (standard equipment), self-locking cable suspension on two fixing pens, cable suspension by means of suspension lugs.
Protective cage	Painted iron

Installation

hazardous areas - Zone 1 (Gases) - Zone 21 (Dusts)

Classification

Group II - Category 2G 2D

Available on request

- 3000 K / 5000 K / 6500 K - color temperature
- dimmable electronic ballast (DALI2)
- safe area version

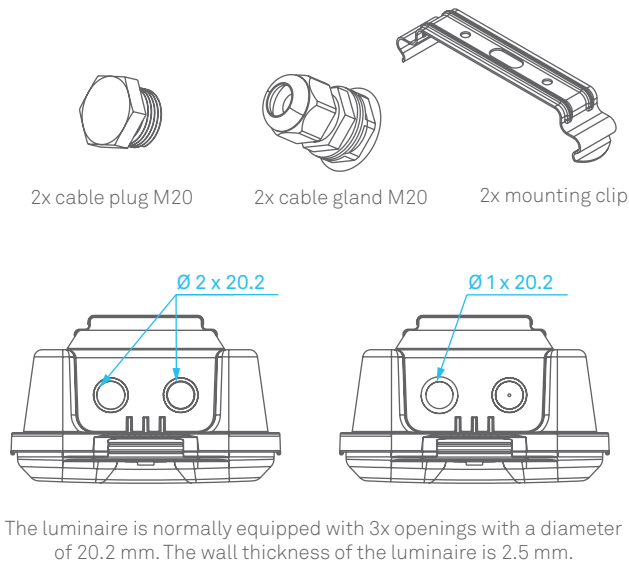
Technical data

Order number	Lighting fixture luminous flux [lm]	Power input [W]	Rated power output [lm/W]	Version	Emergency unit autonomy / output	Temperature range	Weight [kg]
ESCZ150ND150P65FE	1742	15	116	normal ON / OFF	–	-30 °C / 50 °C	2.8
ESCZ150N0150P65FE	1742	15	116	DALI2 driver	–	-30 °C / 50 °C	2.8
ESCZ135ED150P65FE	1742	15	116	emergency with autotest*	180 min / 438 lm	0 °C / 35 °C	3.96
ESCZ135EA150P65FE	1742	15	116	emergency DALI2*	180 min / 438 lm	0 °C / 35 °C	3.96

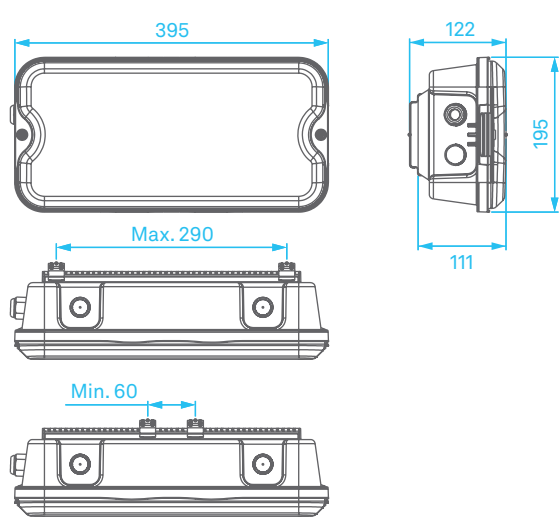
* Emergency version includes all 5 pictograms in package by standard.

Reference details

Standard equipment →



Dimensions in mm →

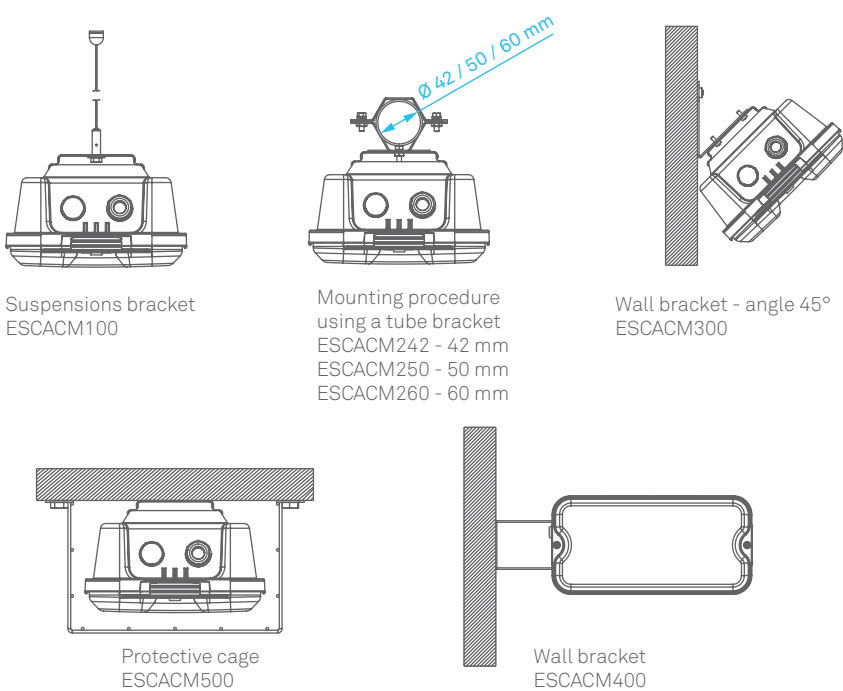


Pictograms →

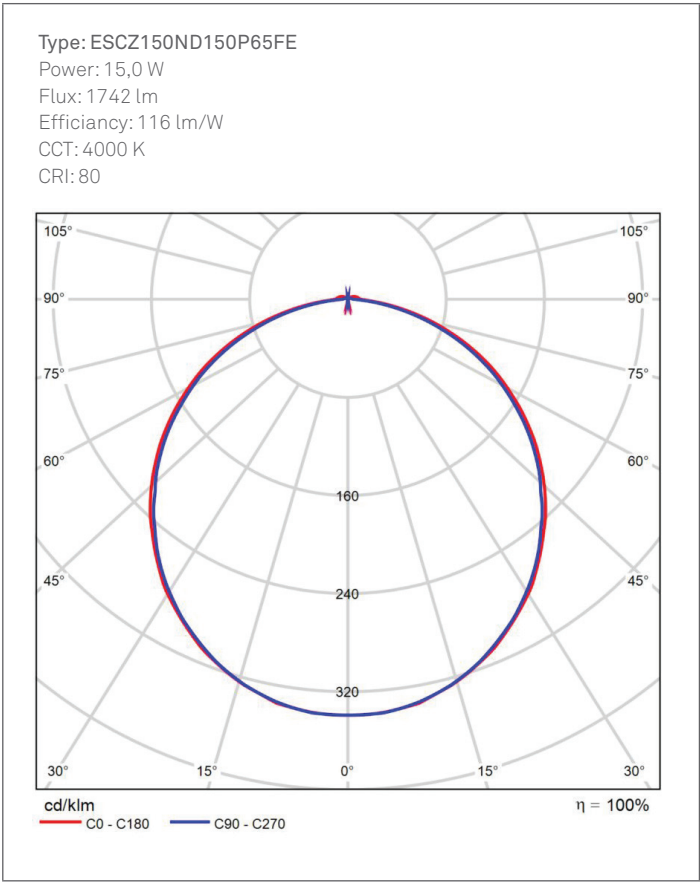
Emergency version includes all 5 pictograms in package by standard



Available on request →



Polar diagrams – photometric data



REMARK:
Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.