

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 126 lm/W and extremely long lifetime of more than 100,000 hours even at elevated temperatures.

Their IP66/IP67 and IK08 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 110,000 hour lifetime at L90B50 Ta@ 25°C
- ATEX / IECEx certification ZONE 1/21
- Compact design with robust IK08 housing
- Made in Europe
- Wide temperature range: -30 °C to +50 °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	FTZU 26 ATEX 0001X
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	IECEx FTZU 26.0005X
Ingress protection	IP66 / IP67
Impact Protection	IK08
Temperature range	-30 °C to +50 °C

Electrical characteristics

Power supply	EP – electronic - 220-240 V AC, 50/60 Hz 220 -240 V DC
Lamp source	LED 5000 K, CRI +80 Lifetime: > 110.000 hours L90B50 Ta@ 25 °C > 63.000 hours L80B50 Ta@ 50/60 °C
Connection	Polyamid cable gland M20 x 1.5mm (6-12 mm diameter)
Terminals	Screwless terminal block, max. wire cross- section 4 mm² (standard)
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
Gasket	Silicon
Cover	PC (polycarbonate) opal
Fastening	Direct fixing to the ceiling or wall of the illuminated space by means of two self-locking clips (standard equipment), self-locking cable suspension on two clips, 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 / 4000 K / 6500 K - color temperature
- For acessoris see reference details

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]
ESCZ150N0150PS565FE	1751	15	117	normal ON / OFF	–	-30 °C / 50 °C	2.8
ESCZ150ND150PS565FE	1751	15	117	DALI2 driver	–	-30 °C / 50 °C	2.8
ESCZ135EA150PS565FE	1751	15	117	emergency with autotest*	180 min / 439 lm	0 °C / 35 °C	3.96
ESCZ135ED150PS565FE	1751	15	117	emergency DALI2*	180 min / 439 lm	0 °C / 35 °C	3.96

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

Reference details

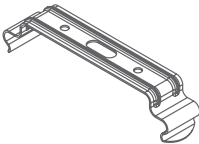
Standard equipment →



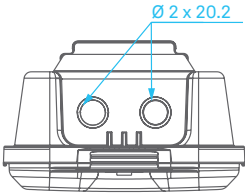
2x cable plug M20



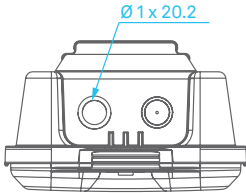
2x cable gland M20



2x mounting clip



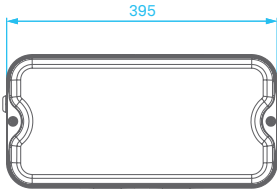
Ø 2 x 20.2



Ø 1 x 20.2

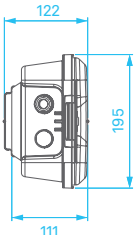
The luminaire is normally equipped with 3x openings with a diameter of 20.2 mm. The wall thickness of the luminaire is 2.5 mm.

Dimensions in mm →



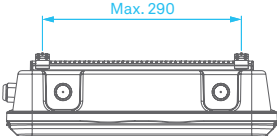
395

122

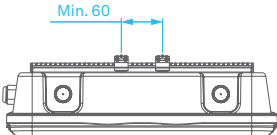


195

111



Max. 290



Min. 60

Pictograms →

Emergency version includes all 5 pictograms in package by standard



ESCACP100



ESCACP200



ESCACP300

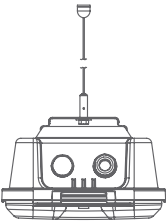


ESCACP400

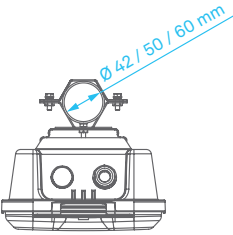


ESCACP500

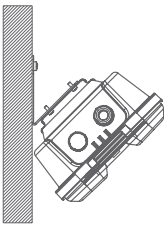
Available on request →



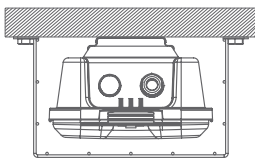
Suspensions bracket
ESCACM100



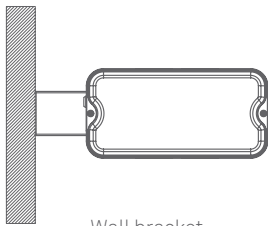
Mounting procedure
using a tube bracket
ESCACM242 - 42 mm
ESCACM250 - 50 mm
ESCACM260 - 60 mm



Wall bracket - angle 45°
ESCACM300

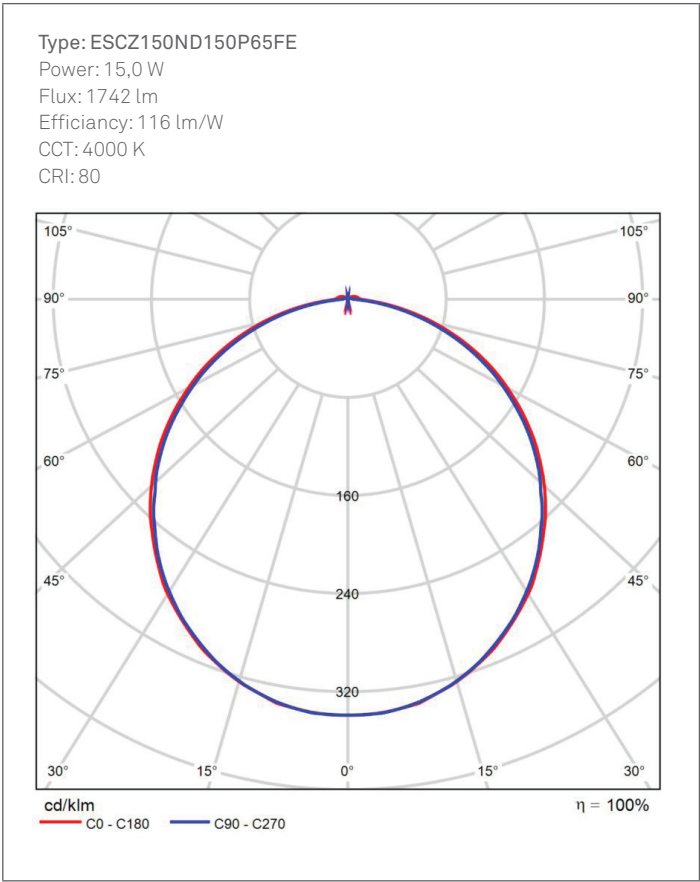


Protective cage
ESCACM500



Wall bracket
ESCACM400

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.