StormEX Zone 1/21, 2/22

411641 STX1SPCL024IS12FTSB11NS-EMZPSSS09003BSCAB

411642 STX1MPCL044IS12FTSB11NS-EMZPSSS09003BSCAB

S

M

KEY BENEFITS

- Designed for Zone 1/21, 2/22 Atex
- Up to 110lm/ W.
- Sturdiness: IP66 + IK10
- LED technology ensuring high-quality lighting and energy reduction.
- Lifespan L70 > 50.000h
- Mounted on the ceiling or suspended.
- Battery 3h (optional)
- 5 years warranty (1,5 years battery).

IP66 IK10 CI RAL 9003 EM 3h

DESCRIPTION

The StormEX waterproof luminaire from Carandini is designed for use in hazardous locations where flammable gases, vapours, or liquids may be present during normal plant operations. The combination of the new LED technology's style and design with the robustness and durability of a luminaire for hazardous locations makes it ideal for upgrading existing HPS/MH systems, offering higher energy efficiency, lower maintenance costs, and a faster return on investment.

4000K

CRI > 80

S: 2.060lm

M: 4.400lm

-40ºC - +60ºC

4 - 8 Kg

110lm /W Luminaire

100 - 277V
50-60Hz
L70 50.000h

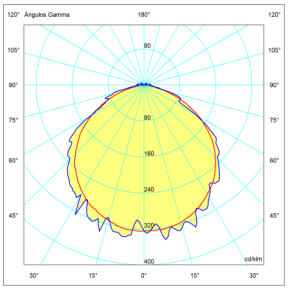
STANDARDS / CERTIFICATES

- CE
- RoHS
- Atex Zone 1/21, 2/22
- Ex db eb mb IIC T6/T5 Gb
- Ex tb IIIC T80°C/T95°C Db

Distributor: EPK elektro s.r.o.
info@carandini.cz - www.carandini.cz

PHOTOMETRIC DISTRIBUTION

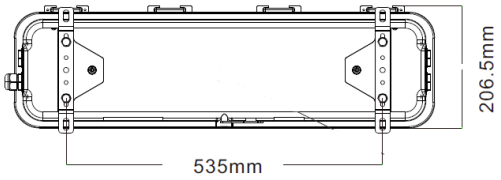
120º photometric distribution allows it to adapt to all needs.

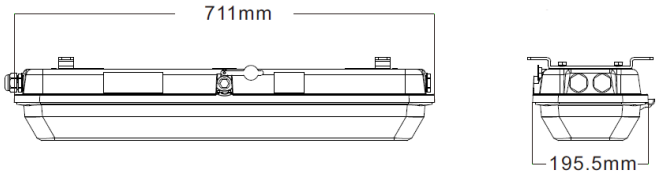


IS12

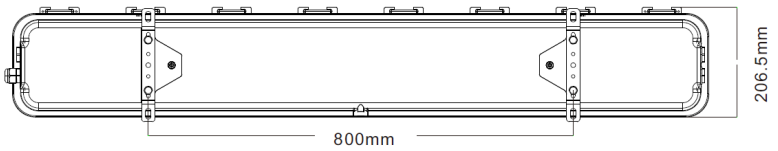
DIMENSIONS (mm)

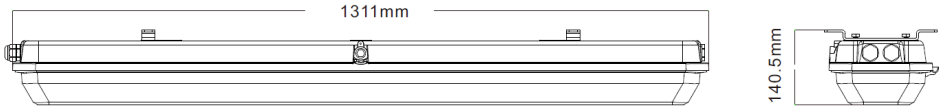
StormEX S





StormEX M





APPLICATIONS

Industrial. Designed for lighting hazardous areas where an explosive atmosphere is likely during normal operation of the activity.

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CHARACTERISTICS StormEX

GENERAL CHARACTERISTICS

Materials and finishing	Optical system: Transparent polycarbonate with fiberglass. Body: Reinforced polymer (FRP) Color: White
Watertightness	IP66 (EN 60598-1 and EN 60529)
Impact protection grade	IK10 (EN 62262)
Operating temperature	-40 a + 60ºC (normal) -10 a + 60ºC (battery)
Lifetime	L70 50.000h

LIGHTING CHARACTERISTICS

Lumen output	S: 2.060lm (20W) M: 4.400lm (40W)
CCT	4000K
Index of reproduction chromatic (CRI)	CRI>80.
Photometric configurations	120º (IS12)
Light distribution	Symmetrical

ELECTRICAL CHARACTERISTICS

Electrical class	Class I
Input voltage	100V - 277V / 50Hz - 60Hz
Surgeprotection	4kV
Power factor	> 0,95
Harmonic distortion	< 10%

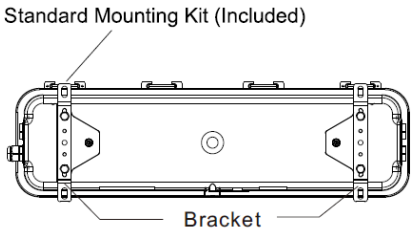
MANAGEMENT AND CONTROL

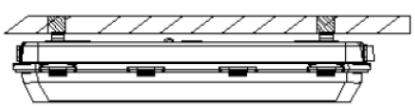
Drivers	**1N**: LED 1 nivel **EM3:** Emergency 3h (under request)

MAINTENANCE AND ASSEMBLY

Installation and maintenance	Ceiling, wall or suspended
Equipped weight	S: 4 kg M: 8 kg

Ceiling mount. (Included)





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CLASSIFICATION OF ATEX ZONES

GASES, VAPOURS OR MISTS	DUST	DEFINITION
ZONE 0	ZONE 20	Permanently presence of explosive atmosphere or for a prolonged period of time, or frequently.
ZONE 1	ZONE 21	Working area in which it is likely, under normal conditions of exploitation, the occasional formation of an explosive atmosphere
ZONE 2	ZONE 22	Working area in which it is NOT likely, under normal conditions of exploitation, the formation of an explosive atmosphere in which, if it is formed, it only remains for short periods of time

Ex db eb mb IIC T6/T5 Gb

MARK	DEFINITION
Ex	Complies with explosion protection standards
db eb mb	Combined protection: db (explosion-proof enclosure), eb (increased safety), mb (encapsulation)
IIC	Most hazardous gas group (includes hydrogen and acetylene)
T6/T5	Maximum surface temperature: T6 = max. 85°C, T5 = max. 100°C
Gb	Protection level: Suitable for Zone 1

Ex tb IIIC T80°C/T95°C Db

MARK	DEFINITION
Ex	Complies with explosion protection standards
tb	Protection "tb" (encapsulation for dust)
IIIC	Dust group (IIIC = conductive dust, the most hazardous)
T80°C/T95°C	Maximum surface temperature: 80°C - 95°C
Db	Protection level: Suitable for Zone 21