

doublepower!! SEA Ex d e LED IP68 the ultimate Marine and Offshore luminaire

doublepower!! SEA Ex LED IP68 ZONE 1/21 Ex d e

Extremely durable luminaire for lighting in extreme outdoor environment, wind farms, power plants, petrochemical, tankers but also in agriculture farms, chemical plants, food productions and similar demanding areas with a risk of a potential explosive atmosphere.

Suitable for ZONE 1/21 Ex d e

Ex parameters:

- II 2G Ex db eb IIC T6 Gb
- II 2D Ex tb IIIC T85 °C Db

True life-span of >80.000 hours [L80B10] in Ta +25°C.

6 year full manufacturers warranty.

Luminaire body is based on 90mm glass or polycarbonate tube with cast aluminium painted end cups.

All outside parts are seawater resistant.

Anti-corrosive mounting rings isolated from the aluminium end cups to avoid bi-metallic corrosion.

Body choice of polycarbonate and borosilicate glass in two lengths.

High modularity, variable use of optics.

Available as emergency light with integrated module.

Optional with ATEX breather valve to balance changing air pressure and avoid condensation, connection by cable gland.

Optional with through wiring.

IP68 protection, IK Ratings IK08-09 for glass and IK10 for PC*.

Temperature range -40°C to +50°C.

Luminaire efficacy **up to 177Lm/W*** depending on the employed optics and tube material.

Rated supply voltage 220-240V (AC 198-264V) (DC 176-280V) 0/50/60Hz.

Power factor λ (at 230 V, 50 Hz, full load) 0.95.

For mounting heights 2-10 meter.

Available light colors 2700-6500K, (Standard 4000K).

NO stroboscopic effect.

Designed and made in Europe.

Available with UV stable plastic cable glands / metal cable glands.

Available in 2 modules and 4 modules.



Article No.	Description	Wattage	Lumen output	LxW mm
02SEA4000	Sea Ex 1/21 e d 2-module plastic cable gland Ex and PC Polycarbonate tube HE	19.6W*	3.363 lm*	850 x 142*
02SEA4050	Sea Ex 1/21 e d 4-module plastic cable gland Ex and PC Polycarbonate tube HE	39.2W*	6.903 lm*	1408 x 142*
02SEA4100	Sea Ex 1/21 e d 2-module plastic cable gland Ex and Borosilicate Glass tube HE	19.6W*	3.363 lm*	850 x 142*
02SEA4150	Sea Ex 1/21 e d 4-module plastic cable gland Ex and Borosilicate Glass tube HE	39.2W*	6.903 lm*	1408 x 142*
02SEA4001	Sea Ex 1/21 e d 2-module metal cable gland Ex and PC Polycarbonate tube HE	19.6W*	3.363 lm*	850 x 142*
02SEA4051	Sea Ex 1/21 e d 4-module metal cable gland Ex and PC Polycarbonate tube HE	39.2W*	6.903 lm*	1408 x 142*
02SEA4101	Sea Ex 1/21 e d 2-module metal cable gland Ex and Borosilicate Glass tube HE	19,6W*	3.363 lm*	850 x 142*
02SEA4151	Sea Ex 1/21 e d 4-module metal cable gland Ex and Borosilicate Glass tube HE	39.2W*	6.903 lm*	1408 x 142*

All texts with this symbol [*] represents preliminary values and data. Those can be changed, but not significantly. For updated datasheet or more information please contact us.

Optional with emergency module with internal 1 hour or 3 hours battery.

The mounting points are adjustable which makes it easy to use the existing mounting points when the luminaire is used for replacement. The mounting brackets are stainless steel AISI316L with A4 fasteners.

Two ATEX pressure balance elements ensure moisture removal from the luminaire and pressure equalization with the environment with maximum safety.
Can be ordered with code BV behind the article number.



The symmetrical design optionally allows cables goes through the luminaire.
Can be ordered with code TW behind the article number.



Cable glands are placed at the bottom side of the luminaire to prevent any liquid stays near sealing.

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