



SEA



DOUBLEPOWER!! SEA EX 2/22

ZONE 2/22 Ex nR

**LED LUMINAIRE FOR MARINE
AND OFFSHORE OPERATIONS**

DOUBLEPOWER!! SEA EX 2/22

- Luminaire efficacy up to 177 lm/W
- IP68, PC or glass tube body
- Life span of the luminaire 80,000 hours (L80B10)
- Emergency battery option available
- Various variations
- 6 years warranty minimum

doublepower!!
industrial lighting | intelligent | efficient



DOUBLEPOWER!! SEA EX 2/22

ZONE 2/22 Ex nR

LED LUMINAIRE FOR MARINE

AND OFFSHORE OPERATIONS

Primary characteristics

- Ex parameters
 - II 3G Ex nR IIC T6 Gc
 - II 3D Ex tc IIIc T85°C Dc
- Designed for use on seagoing vessels, offshore platforms, wind power plants but also in agriculture farms, chemical plants and similar demanding environments
- High luminaire efficacy of up to 177 lm/W according to the optics and material of the tube*
- Borosilicate tempered glass or UV stable PC
- Various performance variations
- Optional correlated colour temperature standard 4,000K (optional 3,000K; 5,000K; 6,500K)
- IP 68 enclosure rating, salt water resistant
- Primary lighting characteristics of 40°, 60°, 90° and 110°, asymmetric characteristic available
- Quick and easy installation
- Anti corrosive mounting rings
- Emergency battery option (1h or 3h duration)
- IK ratings IK08-09 for glass, IK10 for PC*

Modularity and variability

The luminaire is available in two performance variations for both glass and polycarbonate version. Each variation can be produced according to the client's needs with stainless steel cups (A4).

Luminaire construction

Luminaire body is based on 80 mm glass or polycarbonate tube with stainless steel (A4). All outside parts are salt water resistant.

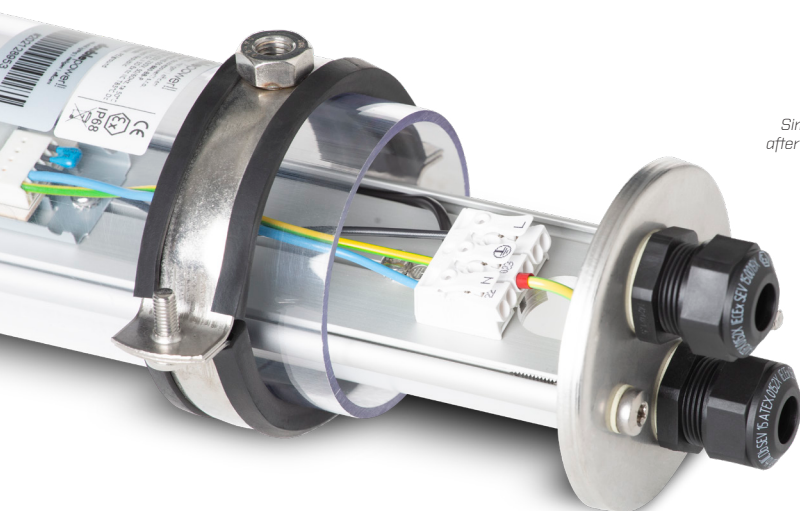
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Both ends of luminaires are prepared for connection of external grounding.



Quick and easy installation using stainless steel brackets.



Simple access to terminal block after unscrewed opposite end cap.



At the end of luminaire can be placed up to two cable glands for easier cable management.





Specification

	2 modules	4 modules
Output	19.6 W*	39.2 W*
Luminous flux of the Luminaire with 4,000K	2,590 lm*	5,181 lm*
Efficacy of the LED chip / luminaire (HE Type)	194.74 lm/W / 177.74 lm/W*	
LED light source doublepower!!	TRIDONIC LLE HV ADV5, 3000-6500 K	
Life-span of the luminaire	L80B10 > 80,000 hours in Ta +25°C	
Front cover / Main body	Tempered glass clear borosilicate or Polycarbonate	
Body end caps, parts	Salt water resistant stainless steel (A4)	
	Inox screws and mounting rings	
	UV stable plastic glands / metal cable glands	
Protection rating	IP68	
Operating temperatures	-40°C ~ +50°C	
Optic system	Linear lens 40° / 60° / 90° / 110° / asymmetrical version / diffused optics	
Other	No stroboscopic effect	
	Optional emergency battery module	
Manufacturer	doublepower!! s.r.o. Czech Republic	

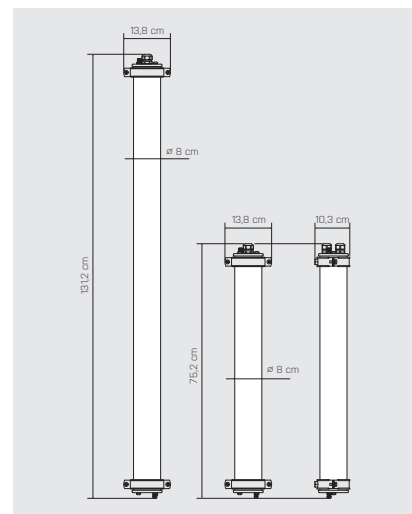
Dimensions / cm (suspended luminaire)

Polycarbonate body

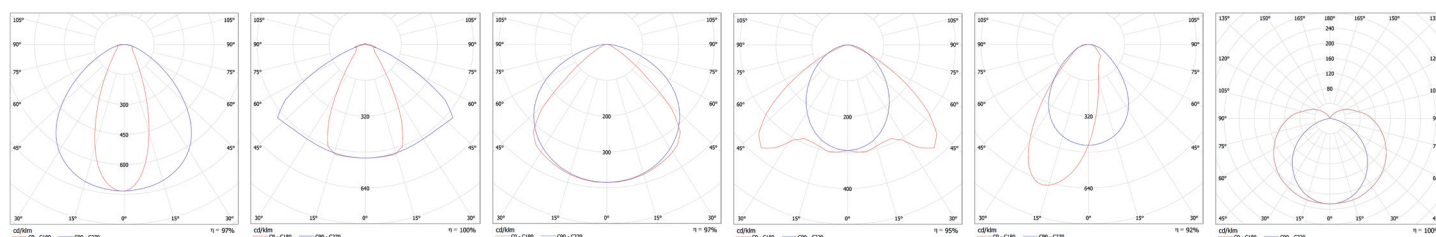
Code	Name	Weight (kg)	Length	Width	Height
EX-S2-120-HE-xx-xxx-xx-P	doublepower!! SEA EX 2/22, 20W, PC	1.9*	75.2*	10.5	13.8
EX-S2-220-HE-xx-xxx-xx-P	doublepower!! SEA EX 2/22, 39W, PC	2.9*	131.2*	10.5	13.8

Glass body

Code	Name	Weight (kg)	Length	Width	Height
EX-S2-120-HE-xx-xxx-xx-A	doublepower!! SEA EX 2/22, 20W, Glass	2.6*	75.2*	10.5	13.8
EX-S2-220-HE-xx-xxx-xx-A	doublepower!! SEA EX 2/22, 39W, Glass	4.1*	131.2*	10.5	13.8



Lighting characteristics



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



