

Compact light



SpotLED™ MDX

- Compact LED subsea light
- High efficiency: 122 lm/watt

SPECIFICATIONS

PERFORMANCE

Lamp type	LED chip on board
Light temperature	5000° K
Color rendering index	80
Luminous flux	2950 lumen ¹
Beam angle	Wide 115° Spot 50°
Illuminance @ 1 m (lux)	1250 (wide) 2500 (spot)

ELECTRICAL

Operating voltage	24 VDC (18-30V)
Operating current	1 A
Power	24 Watt
Dimmable	External / 0-5 VDC / 0-10 VDC

MECHANICAL

Housing	Aluminium alloy 6082 T6 or 6061 T6
Finish	Hard black anodized
Window	Optic acrylic / Borosilicate glass BK7
Connector	SCBH3M SCBH2M or other upon request
Diameter / Length	50 / 44 / 95 mm (excl. connector)
Weight in air	0.34 kg
Weight in water	0.23 kg

ENVIRONMENTAL

Rated depth	2000 / 4000 / 6000 m
Operating temperature	-2 °C to 40 °C in water
Operation in air	Approx. 10 minutes @ 22 °C (auto cut-off & reset)
Storage temperature	0-100 °C

¹ LUMEN & LUX

Luminous flux (lumens) is the total light output of a lamp and indicates how powerful and efficient the lamp is. Incandescent bulbs provide about 19 lumens/watt and LED typically more than 110 lumens/watt.

Illuminance (lux) is the luminous intensity per unit area of light, lumen/m². Lux number depends on lumens, the beam angle and the distance to the surface.