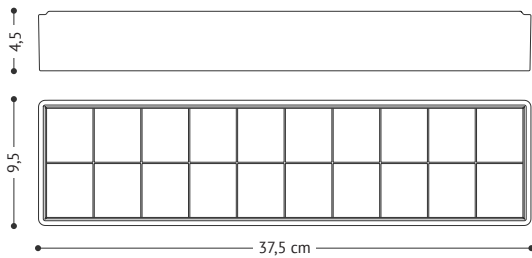


LightUnit

by port:safety



Mechanical Data

General

Weight	1,8 kg
Dimensions	37,5 x 9,5 x 4,5 cm

Materials

Casing	PA66 GF30, Carbon Black
Lid	PMMA, Transparent
Gasket	Silicone, Black
Valve	PA66, IP68
Screws	Marine Grade A4 SS316

Ingress Protection and Mechanical Impact Resistance

IP Class	IP68 (undergoing verification)
IK Class	IK10 (undergoing verification)

Technical Data

Solar Panel

Cell Type	Back side contact Monocrystalline
Max Output Voltage	12 V
Peak Power	4,3 W

Battery

Type	NiMh
Capacity	3300mAh
Nominal Voltage	6,0 V

LEDs

Type	XP-G3
Color Temperature	4000 K
CRI	> = 80

Safety at night

The LightUnit illuminates a rescue ladder at night, enhancing waterfront safety. In dark surroundings the LightUnit's LEDs illuminate the rungs and side rails of the below ladder, providing visibility at night and clear direction to safety.

Two versions

The LightUnit comes in two versions: Solar Powered and Grid Powered. **Solar Powered** version operates autonomously in locations below 60°N. A solar panel charges the battery pack during daytime and under normal conditions* the LightUnit's power saving algorithm ensures functionality all year round. **Grid Powered** version connects to the local power grid of 85-305VAC, 47-63Hz by a 2,0 meter cable. It is the best choice at locations above 60°N or in places with shady surroundings; next to buildings, under bridges etc.

Robust and durable

The LightUnit is designed for highest impact protection class IK10 and waterproof class IP68. The LightUnit is maintenance free and has an expected lifetime of +20 years. Expect replacement of the Battery pack after approx. 10 years. High temperatures will accelerate wear and tear.

Installation

The LightUnit is designed for installation on any safety ladder although it is especially optimized to fit on a LifeLadder®. **Installation on a LifeLadder®** includes two Stainless Steel Supports, that are easy to mount and does not require uninstalling the ladder. **Installation on a 3rd party ladder** requires a customized steel support that fits on the ladder. Please contact Port-Safety for such enquiries.



*To function all year round up to 60°N, the Solar Powered LightUnit's solar panel must be clean and fully exposed to sunlight. Shadows on the solar panel from the waterfront, handrails, buildings, trees etc. will reduce the LightUnit's ability to charge and may cause temporary depletion of the batteries.