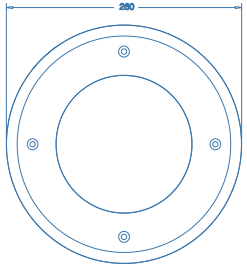
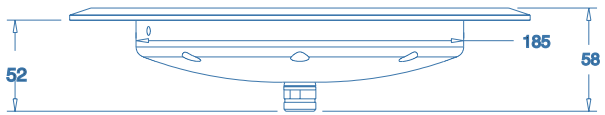
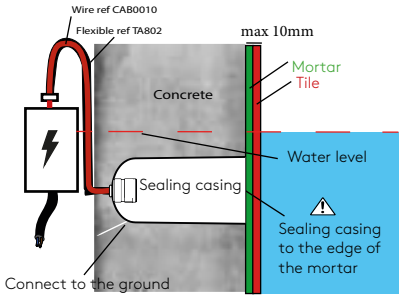
TECHNICAL SCHEMATICS





INSTALLATION SCHEMATICS

1



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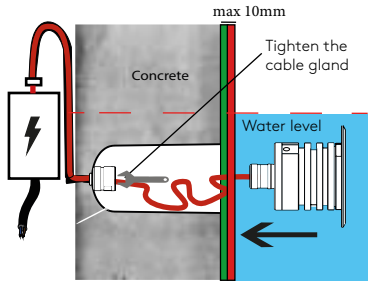
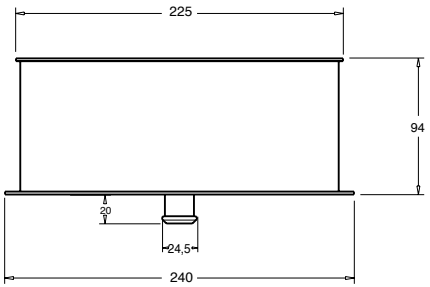


Sealing Casing



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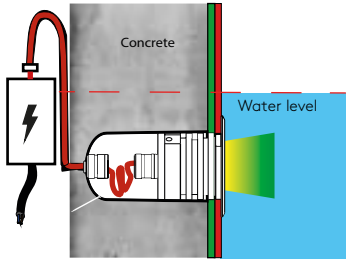

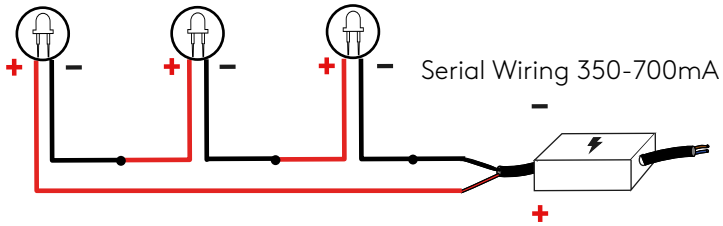

Lumière à la Française depuis 2008

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BV Cert. 7110599

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orsteel.light

TECHNICAL MANUAL

OR STEEL light

ORPHIE

350mA-700mA

The Orphie submersible floodlight is our best seller in the field of powerful aquatic lighting for all aquatic areas ranging from the swimming pool to the pond, including aquatic play centres Also resistant in a marine environment, it is widely used in ports, marinas, bays, pontoons and signalling... Its high luminous flux gives excellent underwater light diffusion. The plus of this submersed LED floodlight is its perfect adaptation as a substitute for halogen lights in swimming pools.

Electrical features	
POWER	36x2,5w
SUPPLY	350mA-700mA
POWER SUPPLY	Not included
WIRING	Serial

Features lighting technology	
AVERAGE LIFE OF THE LED	60 000 hours Certifiée L90 B10
COLOR EMISSION	2700K - 3000K - 4000K - 6000K RED - GREEN BLUE - AMBER
ANGLE BEAM	10°-25°-40°-115°
INITIAL OUTFLOW	9467lm at 3000k

Mechanical features	
DIMENSIONS	**Ø260x58mm**
WEIGHT	**4.4kg**
MATERIAL	**INOX 316L electropolished**

General features	
OPERATING TEMPERATURE	- 20°c ~+ 60°
INGRESS PROTECTION	IP69
IMPACT RESISTANCE	IK10
ENERGY CLASS	A /A+/A++
APPLICANCE CLASS	CLASS III
WALKOVER FIXTURE	NO
DRIVE-OVER FIXTURE	NO
WIRES	2x0,5 mm2 in IP68
PHOTOBIOLOGICAL SAFETY	Risk group I

INSTALLATION MANUAL

1. Use

Submersible recessed spotlight for occasional use and lighting small underwater areas. Illuminates steps, small pools, waterfalls or a marine environment. Only an IP69 connection to the electricity network ensures the IP69 degree of the product.
Spotlight for permanent submersion only. Construction/special Functions available on request. Please note that during installation in water, the intensity depends on the turbidity of the water.

2. Technical data/Assembly

Spotlight in 316L INOX electro-polished - 36x 2,5W LED - Color emission : cold white (6000 K), neutral white (4500 K), warm white (3000 K), red, green, blue and amber. 316L stainless steel gland. Delivered with 2x0.5 mm² Submersible cable· Sealing casing to be ordered separately.

3. Installation/Assembly

Please comply with the applicable national safety requirements. We disclaim all responsibility for non-compliant use or assembly. Similarly, we reject any responsibility for any modifications to the light fittings. Possibility of mounting the projector in combination with the corresponding moulded plastic housing for mounting in the wall or floor of the tiled concrete basins (max. height of tiles/ mortar 10 mm or over-demand).

Monting in concrete pool

Position and secure the underrun housing on the front (water side) formwork as marked. If necessary, seal the outer base, by example with silicone to prevent dirt from entering the housing. Attach the plastic end cap to the posterior formwork. Check the proper fastening of the underrun housing, the cable protective sheath with clamps and the plastic end cap. After concreting the pool and removing the formwork, apply the mortar and lay the tiles to the maximum inside diameter of the housing. Maximum height mortar and tile 10 mm.

Monting of projector

Inject the silicone through the cable passage into the underrun housing and the cable protective sheath. Tighten the fitting nut to seal the cable. Insert, adjust and secure the projector. Screw the M16 plastic screw fitting supplied at the plastic end-piece and tighten the nut-fitting to seal the cable. at the end of the hose travel. Caution: use factory-connected cables only. Indicate the desired cable length when ordering.

4. Connecting to the power packs/connection matrix

Constant current spotlights must only be connected in series. If necessary, connect in series in separate distribution boxes, the exterior of which must also be protected against moisture by means of a sealing mass.

5. General Maintenance Instructions

Do not use detergents which are harmful to metals when cleaning the spotlight. The use of hydrochloric acid-based detergents on and around any parts of a stainless steel light fitting is totally forbidden.
Regularly clean the spotlight and its mounting box to avoid any rust deposit. Caution: Do not use a high pressure cleaner. Any lost screws should only be replaced by V4A stainless steel screws.
According to conditions of use (power, environmental circumstances), it is recommended to change the seals (on the glass, screw fittings and O-rings) and the cable every 5 to 8 years.

6. Warranty conditions

The following time limits and provisions of the warranty shall apply from the date of delivery: - 24 months for Orsteel spotlights
The warranty covers defects in materials, manufacturing defects and any treatment which is proven to be attributable to the manufacturer.
Any damage resulting from the non-compliance with this user leaflet or any non-compliant repair is excluded from the warranty.
We disclaim any guarantee where the installation has not been carried out according to the instructions or where unsuitable bulbs or connection cables have been used. We reserve the right to make any modification corresponding to technical advancement.

7. Important Notice

(The warranty becomes void in the event of non-compliance with the following points)
The absence of damage during transport must be verified before installation.
Any assembling and installation, as well as any electrical work, must be carried out by qualified personnel.
To avoid any rust deposits, only stainless steel tools should be used.
The cable length for lamps must be chosen to avoid extending it in water or in a damp environment. Any subsequent claim for this reason will not be accepted.
A mounting distance of 10 cm between each device is strongly recommended to avoid mutual heating.
Equipment must be connected without current, otherwise surges in the power supply could damage the LEDS. There must be no primary voltage when changing LEDs. When connecting the lamps, please ensure that polarity matches! A polarity error may damage the LED module.
The customer is advised to install protection against any over voltage compliant with standards DIN VDE 0100-443, DIN VDE 0100-534 and En 62305.
Please observe the measures against electrostatic discharge during all work on the spotlights, equipment and LEDs.