

## INSTALLATION SHEMATICS

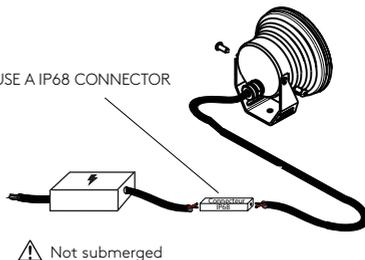
1

Version to be screw



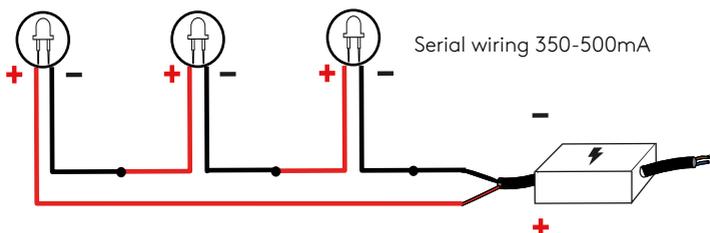
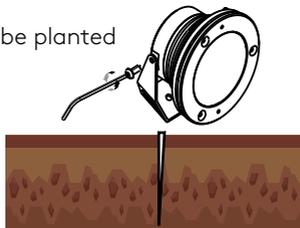
2

USE A IP68 CONNECTOR



3

Version to be planted



Lumière à la Française depuis 2008

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## FUSION 350mA-500mA



The Fusion bracket mounted floodlight has a high power output to emphasize all the details of your outdoor spaces by night or day. Fixed on a bracket, this LED floodlight is easily manoeuvrable during installation. Its directable light source will guide your external architectural and landscape lighting. An IP68 watertight cable makes it suitable for wet zones. This top quality high power LED lighting system will highlight all your large external objects.

### Electrical features

POWER	21.6W
SUPPLY	350mA-500mA
POWER SUPPLY	Not included
WIRING	Serial

### Mechanical characteristics

SIZE	Ø125x162 mm
WEIGHT	1.68kg
MATERIAL	Aluminium

### General characteristics

OPERATING TEMPERATURE	- 20°C ~+ 60°
PROTECTION RAITING	IP68
RESISTANCE INDEX	IK04
ENERGY CLASS	A / A+ / A++
APPLICANCE CLASS	CLASS III
WALKOVER FIXTURE	NO
DRIVE-OVER FIXTURE	NO
POWER SUPPLY CABLES	Supply wire 2x0,5mm <sup>2</sup> in IP68
PHOTOBIOLOGICAL SAFETY	Risk group I

### Characteristics lighting techniques

AVERAGE LIFE OF THE LED	60 000 hours
COLOUR EMISSION	Certificated L90 B10 2700K - 3000K - 4000K - 6000K
	RED - GREEN BLUE - AMBER
BEAM	10°-25°-40°-115°
INITIAL OUTFLOW	2139lm at 3000k

# INSTALLATION GUIDE

## 1. Use

Discreet floodlight, for illumination of small architectural details. Only an IP68 connection to the electricity network ensures the IP68 degree of the product/ specific applications available on request.

## 2. Technical data

Moving head projector with 21,6W LED cold white (6000 K), neutral white (4000 K), warm white (3000 K), red, green, blue and amber Diffusion of light by rotational symmetry of 10° 25° 40° and 115° for LEDS, 316L stainless steel gland. Delivered with 2x0,5mm<sup>2</sup> Submersible cable.

## 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 you may make to the light fittings.

For their use, constant current spotlights must always be connected in parallel to the corresponding DC power supply (see power packs) (350-500mA). Exterior installation can be carried out on different media. The spotlight can be installed directly in concrete, paving blocks, plates, wood and using a Pt800 earth rod. We cannot supply universal installation instructions because ground conditions and the location will vary for each project.

The pictograms show examples of typical installations.

When mounting on a reinforced bracket, you must remove the screws.

Remove the projector from its support and direct it toward the object to be lit. Then fix to the bracket using the A4 stainless steel screws provided. Use only the factory-connected cables. Please indicate the required cable length when ordering. In the event of mechanical stress, the cable must be installed in a protective conduit.

The silicone cable must only be connected to the power supply in a dry environment and, in the event of a direct connection in the ground, only connection units compatible with a joint sealing compound should be used.

Connect the various conductors to power supplies in accordance with instructions.

## 4. Connecting to the power packs/connection matrix

Constant voltage headlamps should only be connected in series. If necessary, connect in series in separate distribution boxes, the outside of which must also be protected against humidity using a sealing compound.

## 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. Caution: Protect the spotlights from frost; where appropriate, dismantle or ensure special protection. Any lost screws must be replaced by stainless steel V4A 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