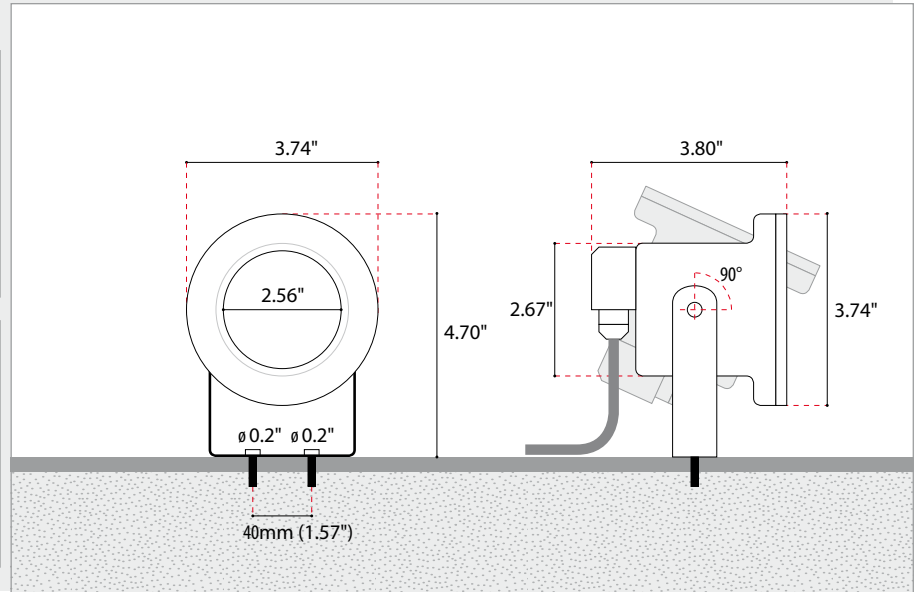


## 4.0072

Surface-mounted Spotlight  
stainless steel 316L



# WIBRE



## 1. Application

Surface mounted spotlights suitable for use in outdoor and underwater areas for illuminating fountains, water features, facades, sculptures or as general effect lighting.

Special designs/applications on request.

When used in underwater areas, the spotlight must be protected to prevent freezing.

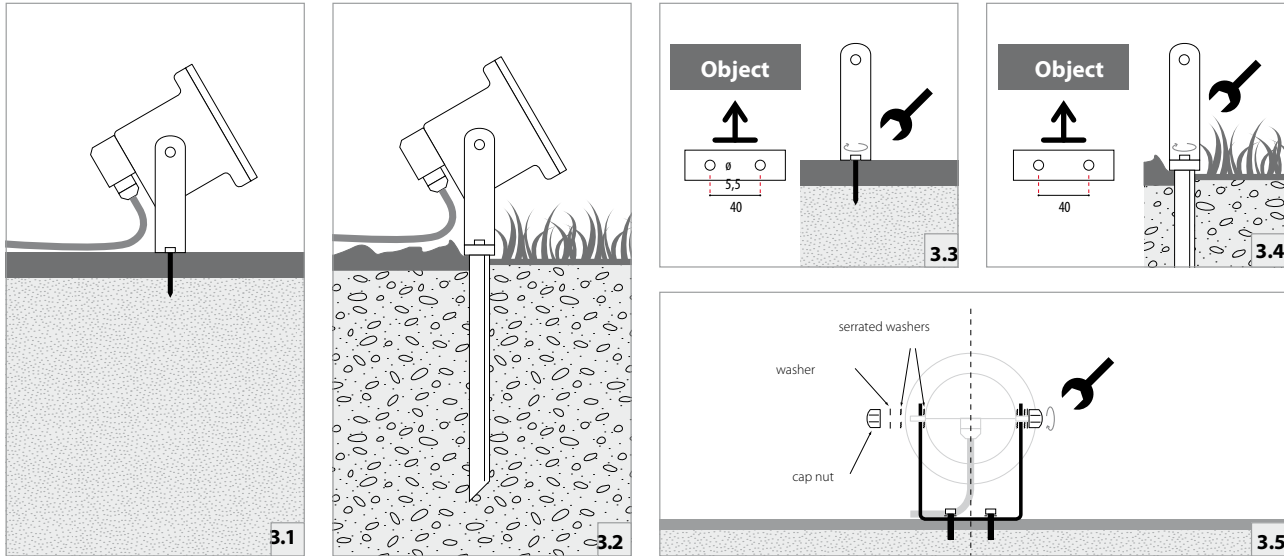
When planning lighting systems in underwater areas, it must be noted that water turbidity reduces illuminance. The spotlight data provided always refer to air as the medium.

## 2. Technical data/design

- Spotlight, entirely made of V4A stainless steel 1.4571 EPOL
- Protection class IP68 – Water depth 9.84'
- For use in outdoor and underwater environments with 3 POW-LED 350mA cold white (6000 K), neutral white (4500 K), warm white (3000 K), colored; 3 POW-LED RGB 350mA, low voltage halogen QR-CB51 ES 20 W/35 W/12 VAC
- For use in underwater environments only with 3 POW-LED 700mA cold white (6000 K), neutral white (4500 K), warm white (3000 K), colored; 3 Multichip POW-LED RGB 700mA, low voltage halogen QR-CB51 ES 20 W/35 W/50 W/12 VAC, 6 POW-LED 700mA cold white (6000 K)
- Rotationally symmetric light distribution with POW-LED 10° and 30° and for low-voltage halogen 36°
- Screw-type cable fastener with M16x1.5, PVDF
- Supplied with lamp and 3m of underwater cable
- Constant-current power source/RGB controller/transformer external

**ATTENTION: For Wall/Ceiling** - It is the contractor's responsibility to caulk around all the edges between the fixture and the mounting surface to satisfy wet label requirements.

**For In-Grade** - It is the contractor's responsibility to seal the conduit with "Great Stuff" aerosol seal that prevents water and moisture penetration for ultimate protection. Contractor **MUST** use gel-filled wire nuts.



### 3. Installation/mounting

When installing, observe the national safety regulations. We are not liable for any improper use or installation. No liability will be accepted in case of subsequent modification to the lights.

POW LED lights must always be operated in series with appropriate constant-current power sources (see operating devices).

The light housings must not be removed, since the cable and POW LED printed circuit board are sealed for protection.

The spotlight can be mounted in outdoor and underwater areas on a broad range of surfaces. Surface mounting straight onto concrete, paving, slabs, wooden floor boards and in conjunction with earth spike 9.0072.20.00 in soil, gravel, lawns or garden beds.

**3.1.** Surface mounting of the spotlight on a solid surface

**3.2.** Surface mounting of the spotlight in conjunction with an earth spike on a soft surface

#### Installation

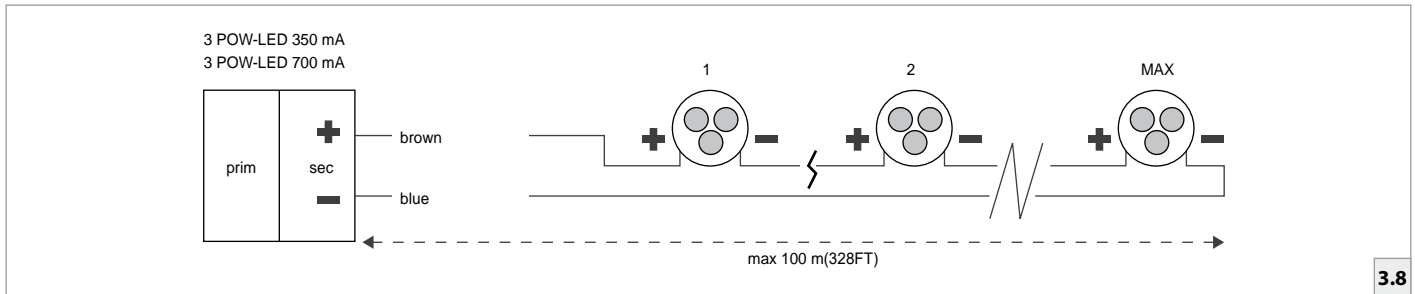
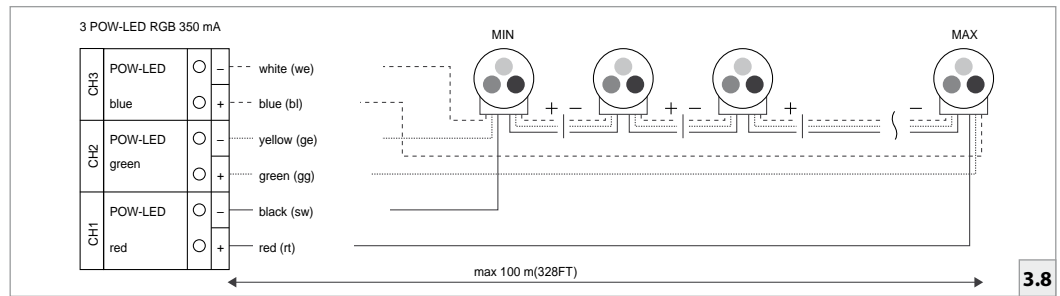
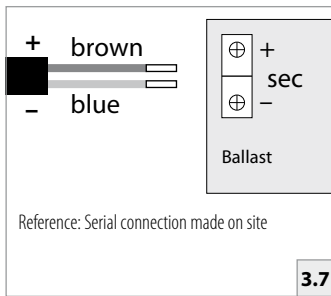
To surface mount the spotlight on a solid surface, such as concrete, flagstones, wood and facade, open the side cap nuts, remove washer and serrated washer and take the spotlight out of the bracket. Line up the bracket with the object and fasten to the surface using the stainless steel screws supplied **3.3**.

To surface mount the spotlight in conjunction with an earth spike on a soft surface, such as earth or gravel, open the side cap nuts, remove washer and serrated washer and take the spotlight out of the bracket. Line up the earth spike with the object, fix into the surface and fasten the bracket to the earth spike using the stainless steel screws supplied **3.4**.

**Attention:** Use only cable connected at the factory or make splice only in appropriate waterproof splice box. Specify the required cable length when ordering or use an appropriate connector and sealing compound to extend the cable (WIBRE Art. no. 9.9011.02.02; 9.9011.02.03).

In case of increased mechanical load, the cable should also be laid in a protective tube leading to the light. Connect individual wires to the power supply according to the regulations. **3.6**.

The maximum number of lights is stated in the power supply manual. **3.7**.



## Installing the spotlight

Insert the spotlight into the bracket and attach the 2 serrated washers, washer and cap nuts as shown 3.5. Line up the spotlight with the object again and tighten the cap nuts.

## 4. Connection to power units/ connection matrix

Spotlights with POW LED units may only be connected in series.

If necessary, make the serial connection in a separate distributor box and apply sealing compound to the outside to protect against moisture.

## 5. General service information

- When cleaning, make sure that the lights do not come into contact with metal-corroding cleaning agents. The use of cleaning agents containing hydrochloric acid on and near spotlight parts made of stainless steel must always be avoided.
- Clean spotlights and installation housing regularly to avoid extraneous rust deposits.
- **Attention:** Do not use high-pressure cleaners.
- **Attention:** Protect lightbulbs from freezing; they must be removed, if necessary, or specially protected.
- Lost screws may only be replaced by screws made of V4A.
- Depending on load (wattage, external conditions), we recommend changing the seals (on the glass pane, screws, O-ring) and cable every 5–8 years.

## 6. Warranty conditions

The following warranty periods and conditions apply from the day of delivery:

- 24 months on WIBRE spotlights.
- Lamps are excluded from warranty claims.
- The warranty covers verifiable material, design and work errors by the manufacturer.
- We cannot accept liability for damages caused by failure to comply with this operating manual or through improper repair.
- The warranty is void if the installation was not performed properly according to the instructions or unsuitable lamps or connecting cables are used.
- We reserve the right to make changes for the purpose of technical progress.

## 7. Important information

**(If the following points are disregarded, the guarantee expires.)**

- Before installation, all parts must be checked for transport damage!
- All fitting, installation and electrical work must be performed by qualified specialist staff.
- Only use stainless steel tools to avoid external rust!
- The cable length of the lights should be chosen in such a way that it is not necessary to extend in water or moist environments. Later complaints resulting from this cannot be accepted.
- Only original Wibre operating units may be used.
- An installation distance of 10 cm between operating devices is urgently recommended in order to avoid mutual heating up.
- The operating devices must be connected without power, as otherwise discharges in the power supply may cause the LED to be damaged. No primary voltage may be applied when changing the LED.
- Note polarity when changing the lights! The wrong polarity can damage the LED module.
- It is recommended that the customer install an overvoltage protection in accordance with DIN VDE 0100-443, DIN VDE 0100-534 and EN 62305.
- Please comply with all anti-ESD (electrostatic discharge) measures during all work on the spotlight, operating device and LED.