

# Scialeds

## Nautical Leds Lights

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### TRI-COLOUR + ANCHOR 3NM TFL3

3 NM Dual Function LED Light, Tricolor & Anchor masthead. PVC housing resin encapsulated, meeting IP67. UV protection. Light wind vane. Complies with IMO (to 13.5V). Unit with 3 cables or 2 cables connection with reverse polarity (Includes switch inverter).

### INSTALLATION:

Mechanical assembly is done vertically, placing the screwed stainless-steel tower in a 7mm drill on top of the mast plate or in the site chosen for the installation. Nut and flat washer placed above the plate and spring washer and nut for adjusting below.

Guide the change of color red-green to bow and take care that nothing obstructs light beam.

To get the connection done we advise not to place any type of plug or connector, the best option is welding the cables. You can also tight them close with tape or, more preferably with amalgamating tape.

Due to the low intensity of circulating current, you can use any section of cable greater than 0.25 mm<sup>2</sup>, but for mechanical strength we suggest use 0.75 mm<sup>2</sup> section cables.

### CONNECTION 3 CABLES:

The green cable will be connected to negative, the light blue cable to positive **TRICOLOUR** and the brown cable to positive **ANCHOR**.

### CONNECTION 2 CABLES with Inverting polarity switch:

The Tricolor & Anchoring Led Light has a tripolar cable. Only the Light Blue and the Brown cable they are used, so when it's fed with a way of polarity it will turn the Tricolor navigation light on. When you invert that polarity, it will turn the Anchor light on. To turn **TRICOLOUR** navigation light on, the negative cable must be connected to Brown and the positive cable to Light Blue. A double micro inverter key with middle point level must be connected to the electrical panel as shown in the picture, is provided. Placing the key lever at one end the Led light will turn on a way (navigation or anchoring) and turning the direction of the key lever to the opposite way it will turn on the other way the Led light. Leaving the key in neutral position both Led lights will be turned off.

### Back sight of the key

Please, have a look at the last photo of the ad to see the connections.

To the Tricolor & Anchoring Led light, no matter polarity



To battery, no matter polarity.

### SPECIFICATIONS

Current Tricolor: < 210mA (<3 Watts) at 12 V

Current Anchor: < 140mA (<1.5 Watts) at 12 V

Working tension: 10 a 14.5 Volts

Typical luminous intensity in red: >10 Candela @ 13,5V

Typical luminous intensity in green: >15 Candela @ 13,5V

Typical luminous intensity in white: >15 Candela @ 13,5V

Vertical opening 50 degrees

Horizontal opening according to standard

Estimated Battery long-lasting for 75 Amp/hour: > 300 hs of constant illumination

Long life LED.

Resin encapsulated

According IP67

Weight: < 200gr.

### GUARANTY

Scialeds lights are backed with one-year warranty against failures that occur under normal use of the unit. The scope thereof is limited only to REPAIR the luminaire without considering other items involved.