

Marlin 100

Surface Mount

The **Marlin 100 LED** underwater light features an all in one driver technology with plug and play installation. This fixture produces a market leading 10,000 lumens of light power in White with a powerful 140° degree beam angle.

The Marlin LED is recommended for boats up to 65 feet with installation of each fixture between 2 - 4 feet apart. The Marlin is the brightest light of its size on the market, using the smallest hole cutout in the industry for a solid metal surface mount fixture making the Marlin a perfect plug and play light.

Available in White and Blue and also new for 2019 in a dual color option for the first time offering boaters the flexibility of choice depending on the water conditions. The entire fixture is constructed from nickel plated AB2 bronze and can be bonded through the power cable, a safety feature no other light of this size can offer. Supplied with an IP68 junction box for ease of installation.



Maintenance
External



Control Options
On / Off Switch



Driver
Internal



Growth Resistant Lens
Borosilicate Glass



Power
70W 12 - 24V DC



Installation
Surface Mount

Hull Material
GRP / Fiberglass



Boat Size
Up to 65' feet



Hole Cut Out
5/16" / 9mm



Lumens
10,000



Kelvin
6,500



Beam Angle
140° degree





Marlin 100

Surface Mount

Mounting

| | |
|---------------------|-------------------|
| Hull Material | GRP / Fiberglass |
| Boat Size | up to 65ft |
| Spacing | 3' - 10' (1 - 3m) |
| Beam Angle | 140° |
| Installation Angles | Surface Mount |

Technical

Per Fixture



| | |
|-----------------------------|--|
| Lumens | 10,000 on white |
| Lumens Dual Color | 7,000 on white |
| Kelvin | 6,500 |
| Typical LED Life Expectancy | 40,000 hrs |
| Min-Max Operating Voltage | 11 - 28V DC |
| Current / Amp draw | 7 - 3.5 amp - Single Color 4.8 - 2.4 amp - Dual Color |
| Driver Type | Integral |
| Driver Protection | Reverse Polarity Thermal Protected |
| Control Options | On / Off Switch |
| Bonding | Via Power Cable |

Physical

Per Fixture

| | |
|------------------------|--------------------------|
| Length of Fixture | N/A |
| Diameter of Fixture | 4" (100mm) |
| Profile of Fixture | 1 1/4" (32mm) |
| Removal Space Required | N/A |
| Total Weight | 2.42lbs |
| Cable Length | 10' |
| Hole Cut-out | 11/32" (9mm) |
| Material | Nickel plated AB2 Bronze |
| Growth Resistant Lens | Borosilicate Glass |

Color

- White 
- Blue 
- Dual Color 

Part Number

- M-100W-SMF
- M-100B-SMF
- M-100-BW-SMF



Underwater Lights Limited

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Your Local Dealer



Marlin 100

Surface Mount Single Color

Mounting

| | |
|---------------------|-------------------|
| Hull Material | GRP / Fiberglass |
| Boat Size | up to 65ft |
| Spacing | 3' - 10' (1 - 3m) |
| Beam Angle | 140° |
| Installation Angles | Surface Mount |

Technical

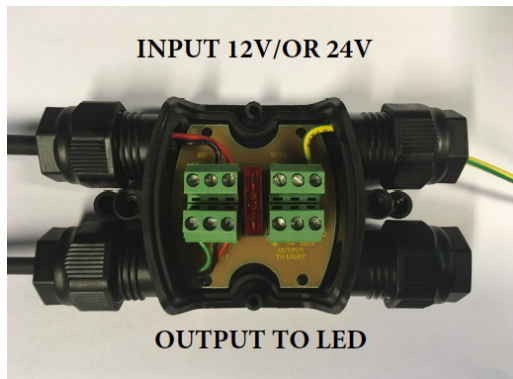
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INSTALLATION GUIDE

1. With your purchase you will have the surface mount light and one IP68 connection enclosure.
2. Prior to drilling the 9mm cable hole ensure that there is internal space for sealing the cable.
3. It is important to locate the connection enclosure close to the cable entry and above the bilge so that you have good access to make the connections. A shorter cable will lower the cable volt drop. See picture below for preparing cable to connection enclosure. Red is positive, Black is negative and Green is earth.
4. When the cable hole has been drilled screw the light gently to the hull. Then screw the connection enclosure to the safe location inside the hull and work a route for the light cable to the connection enclosure. Pass the cable into the connection enclosure and cut the cable to a length so that you can do the connection as shown.
5. It is your responsibility to run the correct size supply cable (min 2.5mm sq) to the light connection enclosure. The connection enclosure has a 10 amp fuse that will protect your supply cable for one lamp at 12v. When you have connected the enclosure check you have the correct polarity.
6. Gently screw the lights to the hull and make the connection to the enclosure and switch on the lights to check they are working.
7. Remove the lights from the hull and coat the rear part of the light with 3M 4200 sealant and firmly screw the lights to the hull also seal the cable entries on the inside. When secure remove excess sealant and leave until sealant has cured.
8. During the sealant curing time connect the earth cable to the light (as shown below) in the connector enclosure to the cathodic protection anode using a single core 1.5mm square cable.
9. Finally coat the light face with anti-fouling paint.

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