

# Terra-Lux LED LIGHT OPERATING MANUAL

**Model: TL-1C, TL-1F**

**Keep this manual for future reference**



## SAFETY WARNINGS

- Only qualified electrician is allowed to carry out the installation of this product.
- Avoid direct contact with electrical power.
- Respect all regulations in effect for preventing accidents.
- All units are required to be disconnected from the main electricity before any operation of maintenance.
- Never handle with wet hands and feet.
- This product can be installed outdoors in the ground or in the pool, connecting with a safety transformer.
- Be sure power is off before installing or removing LED plate. Allow LED plate to cool before replacing.
- This product should be installed according to your local electrical installation ordinances and regulations.
- Maximum Depth for Light installation at 1 meter.
- Maximum Water Temperature Range for light operation 0 - 30°C.

## PRODUCT PARAMETER TABLE

Model No.	Voltage	Watt	Frequency	Remark
TL-1F	AC 12V	3W	50/60Hz	Cool White light/ Warm White light
TL-1C				

## INSTALLATION NOTES

1. Light color can be selected based on personal preferences (white color Lumen: 6000K, warm light: 3000K).
2. TL-1F: Applications include courtyard, plaza or other landscape installations.  
TL-1C: Other applications include swimming pools or water features pool.  
Models to suit different applications for underwater lights.
3. Length of cable of lights is 1.5M use suitable watertight electrical connections if the cable is submerged in water.
4. To prevent glare of the light, light must be installed in a house in the opposite direction.
5. In order to facilitate lighting maintenance, lighting around the pool must stay out on a place lighting installation.

## INSATALLATION OF LED LIGHT

1. Before installation, a circuit system diagram must be designed by a certified engineer.
2. The circuit system must comply with local laws and regulations and must be carried out by qualified electricians.
3. Make sure the voltage is 12V and the terminal box is at least 120cm from the poolside (Figure 1)
4. Upon installation, top of the light must be at least 45cm from water surface (Figure 1).
5. TL-1F: Underwater lights installed outside waterproof connector and cable fittings selection (Figure 2).
6. First pre-embedded pool shell concrete wall or floor mounted inside, the copper nutshell surface or ground pool complete the flush (Figure 3, Figure 4).
7. Extra cable is coiled and housed in the housing to allow access for maintenance of the pool light (Figure 3, Figure 4).
8. Fix pool light into the housing and use two screws to hold in place (Figure 3, Figure 4).

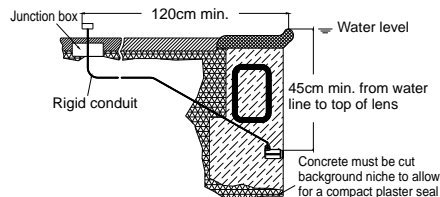


Figure 1

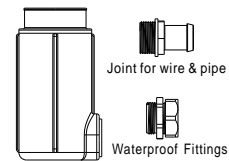


Figure 2

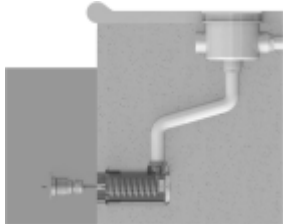


Figure3

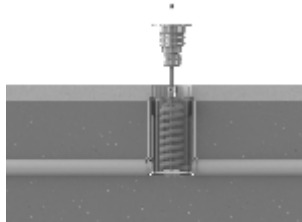


Figure4

### MAINTENANCE OF THE LIGHTS

- Before switching on the lights, check whether the circuit boxes are running properly.
- This unit does not need any kind of maintenance. If it is not working properly, please contact EMAUX authorized dealer where you purchase the unit from.
- Warranty will be voided if the Emaux Underwater Light was dismantled by unauthorized personnel.

### REPLACEMENT PARTS

Item No.	Part No.	Description	Qty
1	03011386	hexagon socket head cap screw	2
2	03017151	Cover	1
3	01040217	Transparent lid	1
4	02010268	O-Ring	1
5	04011135	Lens	1
6	04011136	Stand	1
7	04011134	LED panel(Cool White)	1
	04011133	LED panel(Warm White)	1
8	03017152	Hosing	1
9	02021009	Water Joint Fittings	1
10	03017153	Nut	1
11	89045701	Light Shell	1
12	89045802	Light Shell	1
13	89045801	Waterproof Fittings	1
14	01171106	Joint for wire & pipe	1

