

Bluefin Led Underwater lights.

Junction Box Installation manual.

Thank you for choosing Bluefin LED underwater lights, our products have been designed and tested rigorously to ensure optimum performance and longevity.

Please ensure that your product is installed as per our instructions below, failure to do so may invalidate your warranty.

Warnings:

- Ensure that the correct voltage is used for the light.
- Please use this instruction with the Light instructions.
- Ensure that all connections are made water tight.

Installation:

The junction box comes with all the cable glands for each port on the box, there is also a selection of cable size reducers for different cable sizes for each cable gland. Please ensure that the correct size reducer is selected and inserted into the cable gland. There is also a 2-way reducer for inserting 2 single cables i.e.: positive and negative power cables. Fig 1

There is a mounting bracket for the junction box for mounting onto a flat surface. Fig 2/3

Only use the correct amount of cable glands for each cable entry as an open cable gland will make the junction box not watertight.

When screwing the cable glands into the junction box the soft knock out part will pop out as you tighten the gland up.

You can also use the junction box with our dock lights and tubing with a tube clamp. Use the Dock light instruction for fitment. Fig 4

Electrical connection:

Each connection block is common connected so for instance one row would be all positive connections and one row would all negative connections. Fig 5

Each block is removeable and you see a row of levers on the bottom, move these into the upright position before inserting the cable and clip back down when the cable has been inserted. Fig 6

Fig 1

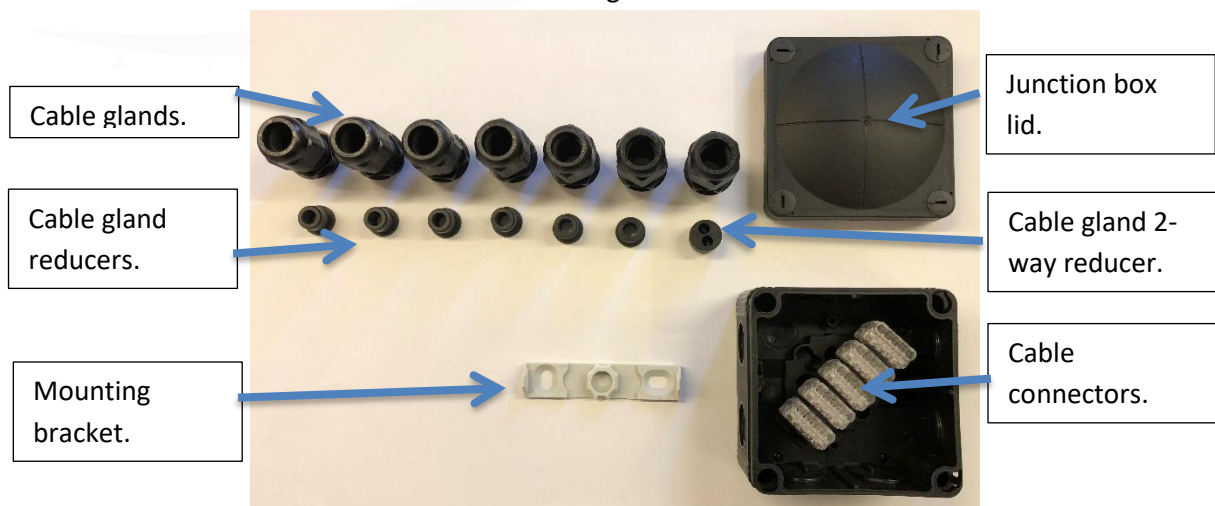
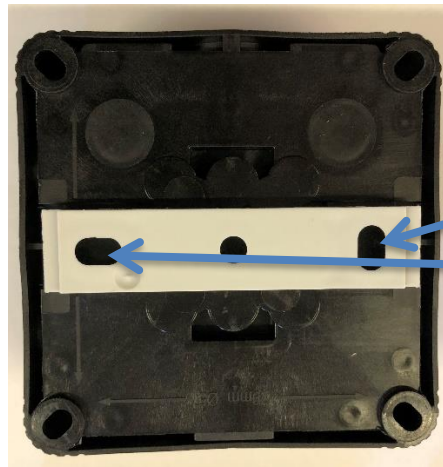
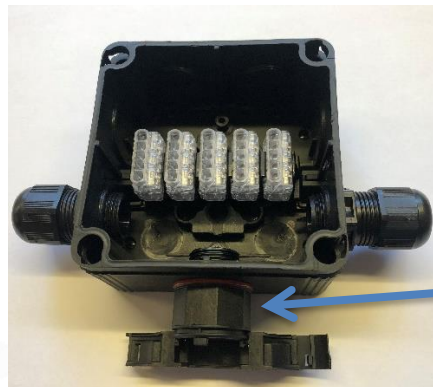


Fig 2



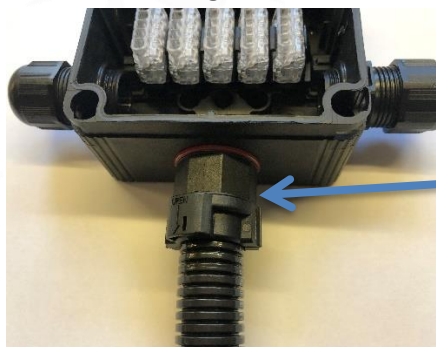
Mounting holes
for bracket
screws.

Fig 3



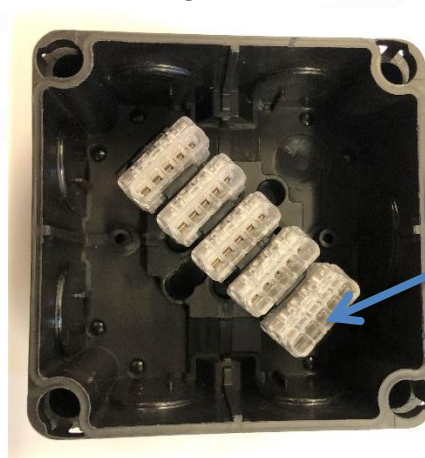
Dock light tube
clamp.

Fig 4



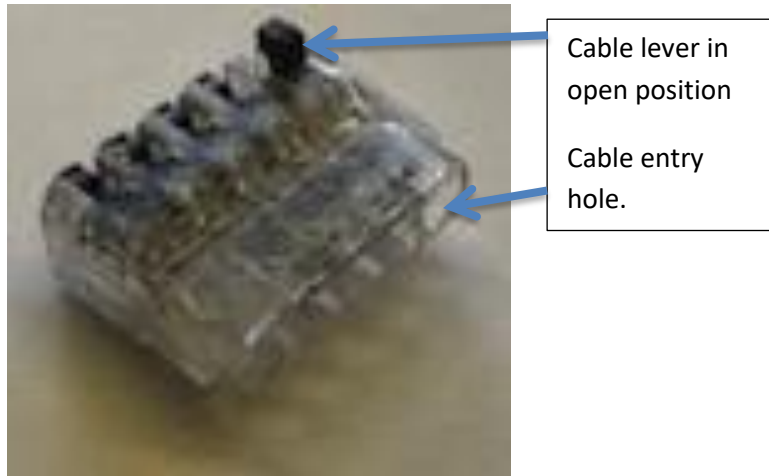
Dock light tube
Inserted and
clamped.

Fig 5



Cable
connectors
each block is
common and
connected.

Fig 6



Warranty:

Your product has a 2-year limited warranty for defects.

For any warranty issues please contact your point of sale retailer or go to www.bluefinled.com for further advice.

Bluefin LED

Cottage Farm, Cottage Lane,
Norton Juxta Twycross, Atherstone. CV9 3QH

Sales - Tel: 07950 909048

Email: simon.steadman@bluefinled.com

Service - Tel: 01827 880450

Email: mark.branson@bluefinled.com

Administration - Tel: 01827 880450

Email: samantha.barrie@bluefinled.com

Registered Address: Square Rig Limited, t/a Bluefin Led, Cottage Farm, Cottage Lane, Norton Juxta Twycross, Atherstone, CV9 3QH

Company Registration Number: 08871451 **VAT Number:** 179 2690 64



Circuit Type		Current flow in Amps											
10% V Drop Low-Power Non Critical (P series Single colour)	3% V Drop High-Power/Critical (H, S & GW Plus colour change Series)	5A	10A	15A	20A	25A	30A	40A	50A	60A			
20ft	6m	6ft	2m										
30ft	9m	10ft	3m										
50ft	15m	15ft	5m										
65ft	20m	20ft	6m										
80ft	24m	25ft	8m										
100ft	30m	30ft	9m										
130ft	40m	40ft	12m										
165ft	50m	50ft	15m										
200ft	61m	60ft	18m										
		70ft	21m										
		80ft	24m										
		90ft	27m										
		100ft	30m										
		110ft	34m										
		120ft	37m										
		130ft	40m										
To use for BluefinLED underwater lights select the appropriate current Column for you lights, power & quantity from the top row.													
then the cable distance run in one direction i.e. from panel or batteries to the light placement or group.													
Then at the point the Column & row crosses read the cable suggestion in US or EU gauges for your installation.													
Failure to install the correct power feeds may invalidate your warranty, if in doubt please consult with BluefinLED or a qualified professional.													