

Bluefin Led Underwater lights.

Pathway Light Installation manual.

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

As these lights are highly polished please be careful on installation not to scratch the lights as they will mark easily.

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

Specs: electrical/fuse ratings

	Voltage	Current	Fuse rating
Pathway PA	12VAC 12/24VDC	12v 350ma	0.5 amp

Warnings:

- Ensure that the correct voltage is used for the light.
- Ensure that an in line fuse is installed with the correct fuse rating per the light installed.
- Ensure that use the Screws provided (failure to do so will invalidate your warranty).





- Ensure all connections are made water tight.
- Do not remove the Inline Moisture Guard. (Fig 1)
- Do not hold the light by the cable.
- Do not use abrasives to clean the light.
- Do not look directly into the light at close proximity

Tools required for installation:

- 5mm drill bit
- 15mm (19/32") drill bit
- Dril
- Pozi head hand screwdriver

Installation:

For optimum affect the light should be positioned 3mtrs apart.

Drill a 15mm (19/32") hole for the cable access through the Decking, ensuring that there are no obstructions underneath.

Drill 3.5mm (9/64") pilot holes to match the mounting holes on the light.

You will see on the light labels showing the colours on each side of the light, please keep this in mind when installing the lights to ensure that they are all the same.

 $\label{thm:cable} \textit{Feed the cable through the hole and mount the light to the Decking using the \textbf{screws provided}. (Fig2)$

Electrical connection:

Only attach the light cable to a waterproof connection or junction box, the cable must have a watertight connection otherwise your warranty will be void.

You will notice an inline moisture guard attached to your cable (Fig 1). If this guard is removed your warranty will be void.

Care should be taken when planning your electrical feeds/cables to the lights so as to ensure voltage drop between the batteries or power supply is minimised, on 12V systems this is especially important

as the lower system voltage means a high current requirement which in turn means the potential for more voltage drop in the cable runs & connections.

If the cable gauge & connections are not sufficient for the lighting load attached you may experience incorrect operation of the lights & intermittent illumination as the supply dips below specification. Please see the wire gauge guide attached to the instruction manual.

For help with calculations always consult with a qualified professional or contact Bluefin LED directly. It is advisable on larger installations to run a single cable to the correct gauge and connect the lights to this in parallel.

Fig 1

Fig 2

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Testing:

Test the light before installation ensuring that you use the correct voltage and the light is illuminated correctly.

After installation ensure again that the light is illuminated correctly.

Maintenance:

Only clean the light with a clean soft cloth.

Do not use anything abrasive to clean the light.

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.

Installer please ensure that the SERIAL NUMBERS of the lights are written below and the manual is handed over to the end user.

Please make a note of the serial numbers of the lights here. SERIAL NUMBERS

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Bluefin LED

Cottage Farm, Cottage Lane,

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Company Registration Number: 08871451 VAT Number: 179 2690 64



10% V Drop Low- Power Non Critical (P series Single colour) 20ft 6m 30ft 9m 50ft 15m 65ft 20m 80ft 24m 110ft 30m 1130ft 40m 130ft 50m 200ft 61m		3% V Drop High- Power/Critical (H, S & GW Plus colour change Series) 6ft 2m 10ft 3m 11ft 5m 20ft 6m 22ft 8m 30ft 9m 40ft 12m 50ft 12m 50ft 12m 50ft 21m 80ft 22m 100ft 27m 110ft 34m 110ft 34m 110ft 34m 110ft 34m 110ft 40m	SA 10A 15A 20A 25A 30A 40A 50 16	16AWG 2.5 16AWG 4n 12AWG 4n 12AWG 6n 10AWG 6n CC 8AWG 10r CC 4AWG C	15A 10A 15A 20A 25A 30A 40A 40A 50A	15A WG 4mm WG CSA GMM CSA 10mm WG CSA 25mm WG CSA 25mm WG CSA 25mm WG CSA 16mm CSA 25mm WG CSA 16mm WG CSA 25mm WG CSA 25mm WG CSA	20A 14AWG 10AWG 6AWG 10G 6AWG 6AWG 10G CC 6AWG CC 2AWG CC 1AWG CC 1AW	4mm 12A CSA 10A CSA 6AV 16mm CSA CSA 6AV 25mm CSA 2AV 25mm CSA 2AV 270mm OAV CSA 1AV 10r batterie	25A 4MG 4MMG 10mm MG 10mm MG 10mm MG CSA 25mm CSA 25mm CSA CSA CSA CSA MG 70mm CSA MG CSA	30 m 10AWG m 8AWG m 6AWG m 2AWG m 0AWG m 0AWG m 0AWG ght placeme ght placeme	30A 30A 6mm CSA 10mm NG 15mm CSA 25mm CSA 70mm CSA NG CS	40A 8AWG 6AWG 16 6AWG 25 4AWG 20 0AWG 210AWG 210AW	10mm CSA CSA 40mm CSA 25mm CSA 21mm CSA	50A 6AWG 2AWG 10AWG 2500AWG 10AWG 10		60A 6AWG CSA 2AWG A0mm CSA 2AWG OAWG 2IOAWG 3IOAWG 3IOAWG
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Single colour)	change	e Series)														
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			then the cable	distance ru	n in one dir	ection i.e. f	rom panel	or batteri	es to the li	ght placem	ent or grou	īp.				
			Then at the po	int the Colu	m & row cr	osses read t	he cable su	ggestion	in US or EU	gaugesfor	yourinsta	llation.				
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