

PORTABLE LINK LIGHTS

Linklite[®] LED

LL-LED-110V • LL-LED-240V



OPERATING MANUAL

INTRODUCTION

Thank you for purchasing a Linklite portable lighting system.

This manual provides information and procedures to safely operate and maintain Linklite portable lighting equipment. For your own safety and protection from physical injury, carefully read, understand, and observe the safety instructions described in this manual.

Every effort has been made to make sure that the information and instructions contained in this manual were accurate and current at the time of publication. Linklite Systems Ltd reserves the right to change, alter or otherwise improve the product or any portion of this information without prior notice.

DO NOT MODIFY or use this equipment for any application other than for which it was designed.

Linklite Systems Ltd recommend that a trained and licensed professional perform all electrical wiring and testing functions. Any wiring procedures should be performed in compliance with applicable national, state or local regulations and guidelines.



Linklite is designed and manufactured with pride in the United Kingdom using domestic and globally sourced parts.

Additional copies of this manual may be requested from sales@linklite.co.uk

Linklite Systems Ltd

UK HEAD OFFICE

29 Waterloo Road, Wolverhampton WV1 4DJ
UNITED KINGDOM

Phone: +44 (0) 845 862 0236

Fax: +44 (0) 2030 700 650

Email: sales@linklite.co.uk

Web: www.linklite.co.uk

For technical QUESTIONS please contact us using one of the above methods.

To ORDER SPARE PARTS or ACCESSORIES please contact the dealer from which you purchased the unit or visit our website.

SAFETY NOTES



This is the safety alert symbol. It is used throughout this manual to alert you to special instructions about a particular service or operation that may be hazardous if performed incorrectly or carelessly.

Obey all safety messages that follow this symbol to avoid potential personal injury or property damage.

OPERATING SAFETY

Before using the Linklite portable lighting system be sure to read this manual thoroughly. The operator is responsible for proper and safe use of the equipment. We strongly recommend that the operator read this manual and thoroughly understand all instructions before using this equipment.

This equipment was designed for specific applications; **DO NOT** modify or use this equipment for any application other than for which it was designed.

Equipment operated improperly or by untrained personnel can be dangerous. The following safety measures should be practiced at all times:

- **DO NOT** stare at this operating light source.
- **DO NOT** connect a Linklite in need of repair to a power source.
- **DO NOT** operate a Linklite if the protective lens casing is cracked or damaged.
- **DO NOT** connect more than 30 Linklite LED luminaires per 1,000 watts of power supplied.
- **DO NOT** use a power cable if the insulation is cut or worn through.
- **DO NOT** connect fluorescent lamps to this luminaire.
- **DO NOT** permit unqualified personnel to carry out maintenance or repairs to this product.

- **DO** ensure the electrical rating of any cables used are suitable for use with this product.
- **DO** position and operate the light on a firm, level surface when using the telescopic mast and basket. Sandbags or similar should be used to weight the basket.
- **DO** check that there are no underground cables below the surface using a radio detection CAT scanner before using the optional ground spike accessory.
- **DO** ensure that the area above the unit is open and clear of overhead wires and obstructions. The optional telescopic mast extends up to 2.4 m (94 inches).

UNIT SERIAL NUMBER LOCATION



SPECIFICATIONS

LINKLITE MODEL NO.	LL-LED-110V	LL-LED-240V
--------------------	-------------	-------------

Lighting

Lighting type	LED	LED
Lamp Lumens	4,000	4,000
Lumens per watt	130	130

Electrical

Supply Voltage	110V	240V
Wattage	30W	30W
Power connectors	IEC 60309 pin and sleeve 16A 110V (yellow) IP44	IEC 60309 pin and sleeve 16A 200-250V (blue) IP44
Operating frequency	50 Hz / 60 Hz	50 Hz / 60 Hz

Dimensions

Luminaire	546 mm x 136 mm x 273 mm (21.5 in x 5.5 in x 11 in)	570 mm x 130 mm x 245 mm (21.5 in x 5.5 in x 11 in)
-----------	--	--

Weight

Luminaire	2.7 kg (6 lbs)	2.7 kg (6 lbs)
-----------	----------------	----------------

Conformity

The product has been tested against the following standards and specifications:
 IEC 60598-2-4:1997 / EN 60598-2-4:1998 used with
 IEC60598-1:2014 / EN 60598-1:2015 and
 IEC/EN 62031:2008 + A1:2013



POWER SUPPLY

Linklites require a power supply either generated or transformed. Your Linklite is fitted with pin and sleeve connectors that conform to IEC 60309 standards. Your power requirements will be either a 110V or 240V supply, determined by the colour of the connectors.



YELLOW 110V	BLUE 240V
------------------------------	----------------------------



ELECTRICAL SAFETY

The unit **MUST** be equipped with an appropriate 3-conductor link cable utilising outdoor rated (IP44) pin and sleeve quick release plugs and sockets.

WARNING

*The 3-pin earthing type cord set **MUST** be IP rated for outdoor use to allow connection of the unit to an appropriate earthed supply system.*



Consult a suitably qualified person if the grounding instructions are not completely understood, or if in doubt as to whether proper grounding exists.

LINKLITE MAINTENANCE

Linklite LED luminaires are fitted with two replaceable 15 watt LED tubes. Only LED tubes marked for use with Linklite LED luminaires should be used in this product. The LED tubes may be used in both 110V and 240V models.

WARNING

Do not attempt to connect fluorescent tubes to this product.

After extensive use it is possible that one or both of the LED tubes may need to be replaced. Please contact your dealer or visit our website to order genuine replacement parts.

REPLACING THE LED TUBES

To replace one or both LED tubes you will require:

Hexagonal screwdriver / bit:

M5 hexagonal bit (5/32)



Phillips screwdriver bit



WARNING

Disconnect the unit from the power supply before commencing this procedure.

1. Remove 6 x M5 cap screws, 2 of which are located beneath the support arm.
2. Slide the metal chassis out from inside the plastic lens casing. The retaining flange and inner gasket remain attached to the plastic casing.
3. On the underside of the metal chassis release the screw that secures the tube end cap by 1 turn. Slide the plastic end cap down to release the end of the LED tube. Repeat as necessary for the second tube.
4. Turn the metal chassis over and lift the tube out from the end cap then gently pull to release the tube from the lamp holder. It may be necessary to move the tube from side to side to release the 4 connecting pins. Repeat for the second tube if required.



 **WARNING**

Check that your replacement LED tube is compatible with this product.

Part Number: LL-LED-LMP / Model: GL-DG-2G11/G13-ZB15W

5. Take the replacement LED tube and position it with the label facing downwards. Offer the 4-pin connectors to the lamp holder and push the tube into the holder until the spring clip clicks into position.
6. Slide the plastic end cap over the end of the LED tube and then turn the chassis over to tighten the release screw by 1 turn ensuring it is tight enough to hold the tube in position.

 **WARNING**

Before re-inserting the chassis into the outer lens casing, check the condition of both flange gaskets. Any damage to the gaskets could result in water leaking into the unit.


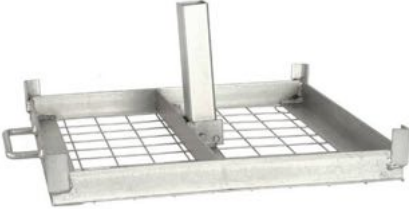







7. Slide the metal chassis carefully into the lens casing until it slots into position and the socket flange gasket is flush to the body of the unit.
8. Refit and tighten the 6 x M5 screws that were removed in Step 1.
9. Reconnect the Linklite LED to a suitable power supply and test.



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with normal waste. Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.

ACCESSORIES & SPARE PARTS

Various mounting accessories and spare parts are available for your Linklite LED luminaire. For more information please contact your dealer or visit our website at www.linklite.co.uk

 <p>Aluminium Mast LL-MST-AL</p>	 <p>Mast Basket LL-BSK</p>	 <p>Ground Spike Part #: LL-GS</p>
 <p>Horizontal Wall Brackets / Mount LL-BRK-TN1 / LL-BRK-TN2</p>	 <p>Vertical Hook Bracket LL-BRK-TN1 / LL-BRK-TN2</p>	 <p>110V or 240V Power Cable LL-CAB45-110V / LL-CAB45-240V</p>
 <p>15W LED Tube LL-LED-LMP</p>	 <p>Lens Case Assembly LL-LENS</p>	 <p>Mast Bracket / Handle LL-HND</p>

REV. 01
LL-LED-MAN-UK / 01.2016