

# PORTABLE LINK LIGHTS

## Linklite<sup>®</sup> LED 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 that for which it was designed.

Linklite Systems Ltd recommends 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 in the United Kingdom using both domestic and globally sourced parts.

Additional copies of this manual may be requested from [info@linklite.com.au](mailto:info@linklite.com.au) or downloaded from [www.linklite.com.au/downloads](http://www.linklite.com.au/downloads)

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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 that 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 25 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 2.8 m (9 ft).

## UNIT SERIAL NUMBER LOCATION



The serial number for your Linklite is located here.

## SPECIFICATIONS

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

### Lighting

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

### Electrical

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

### Dimensions

|           |  |
|-----------|--|
| Luminaire | 546 mm x 135 mm x 273 mm<br>(21.5 in x 5.5 in x 11 in) |
|-----------|--|

### Weight

|                            |                       |
|----------------------------|-----------------------|
| Luminaire (with handle)    | 3.3 kg (~7 lb. 4 oz.) |
| Luminaire (without handle) | 2.89 kg (~6 lb. 6 oz) |

### Conformity

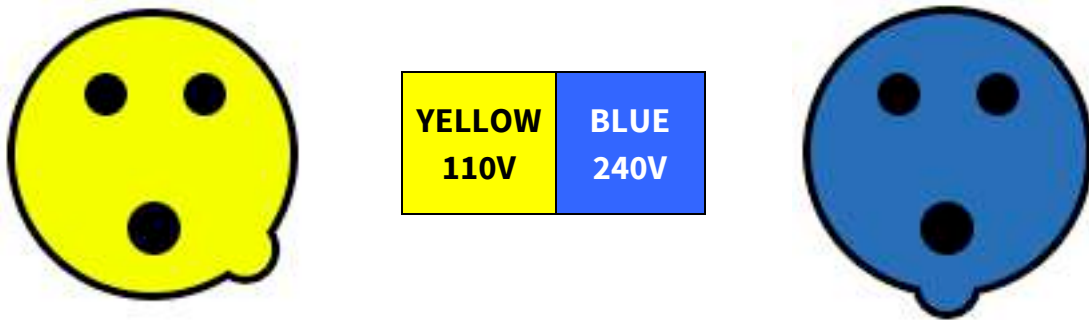
The product has been tested and meets the following standards and specifications:

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  
AS/NZS 60598.1:2013  
AS/NZS 60598.2.4:2005 +A1



## 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.



**25 Linklites** may be connected together from a single power source using a standard 14 metre 2.55mm<sup>2</sup> 16 Amp extension lead. Connecting more than this number may result in voltage drop.

## ELECTRICAL SAFETY

A suitable cable fitted with a 3-pin earthing type plug (to AS/NZ 3112 standards) should be used to connect your Linklite to the power source. Linklites **MUST** only be connected using ASA approved 240V Link Cables fitted with IEC 60309 pin and sleeve connectors.

### **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.*



Link Cable  
LL-CAB240v-AZ



10 Amp Power Source Cable  
LL-PSCAB240v-AZ10A



15 Amp Power Source Cable  
LL-PSCAB240v-AZ15A

**NOTE:** Cable jacket colours and styles may vary.

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:

- 5MM (5/32 inch) Allen wrench or hexagonal drill bit
- Phillips-head screwdriver or drill bit

### **WARNING**

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

- 1.** Remove 6 x hexagonal cap screws, 2 of which are located beneath the support arm (handle).
- 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 away from the electrical connections, release the screw that secures the tube end cap by 1 turn. Slide this 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 socket. It may be necessary to move the tube from side to side to release the 4 connecting pins from the socket. 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 or G13-ZB15W or 2G11-15W***

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 hexagonal screws that were removed in Step 1.
9. Reconnect the Linklite LED to a suitable power supply and test.

## 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.com.au](http://www.linklite.com.au)

|  |  |  |
|--|--|--|
|  <p><b>Aluminium Mast</b><br/>LL-MST-AL</p>                                 |  <p><b>Mast Basket</b><br/>LL-BSK</p>                            |  <p><b>Ground Spike</b><br/>LL-GS</p>                             |
|  <p><b>Horizontal Wall Brackets / Mount</b><br/>LL-BRK-TN1 / LL-BRK-TN2</p> |  <p><b>Vertical Hook Bracket</b><br/>LL-BRK-HK</p>                |  <p><b>Scaffold Bracket</b><br/>LL-BRK-SCF</p>                    |
|  <p><b>240V Link Cable</b><br/>LL-CAB45-240V</p>                          |  <p><b>10 Amp Power Source Cable</b><br/>LL-PSCAB240V-AZ10A</p> |  <p><b>15 Amp Power Source Cable</b><br/>LL-PSCAB240V-AZ15A</p> |
|  <p><b>15W LED Tube</b><br/>LL-LED-LMP</p>                                |  <p><b>Lens Case Assembly</b><br/>LL-LENS</p>                   |  <p><b>Mast Bracket / Handle</b><br/>LL-HND</p>                 |

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|-------------------------|
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