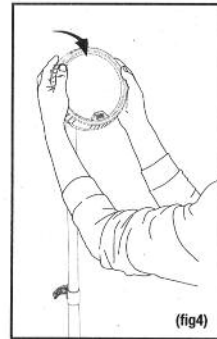
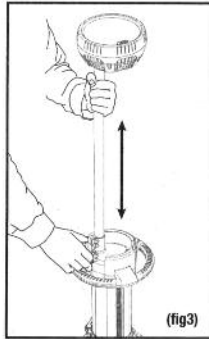


MAST OPERATION

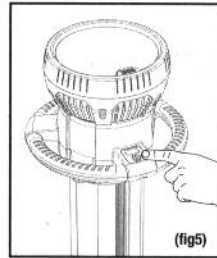
Caution – consider positioning of hands and fingers before operation – moving parts can easily present potential trap hazards resulting in personal injury.

- To raise/lower the mast sections release the red cam clamps and raise/lower to the desired height. (fig3)
- Once at the required height return the red cam clamp to the locked position to secure.
- Further adjustment can be made by rotating the light head into position. (fig4)



LIGHT OPERATION

- Pressing the function switch to manually scroll through the various settings available (fig5) Power setting sequence:- 100% - 50% - PULSE - OFF
- Once the desired power setting is selected the LCD will display "CAL" for approx 30-40 secs as the battery management calculates the remaining battery life.
- The remaining time will be displayed as a decimal, i.e. 6.5 is 6 hours 30 minutes.
- Once the battery has an hour of charge remaining, the display will change to "CHR" and flash.



PROBLEMS

- The unit should now illuminate. If the Light Cannon does not illuminate check the power supply.
- If there is a good power supply and the unit is not illuminated contact the supplier or consult an electrical engineer.

MAINTENANCE AND STORAGE

A daily check is recommended to inspect for any physical damage or abrasions to the charging cable. Ensure there is no visible damage to the Light Cannon and that all connections to the power source are good.

If the Light Cannon is to be stored for a period of 1 month or more, it is recommended the unit is cleaned and charged for a minimum of 8 hours prior to storage. Once removed from storage the unit should be inspected and fully charged.

SPECIFICATION DATA

| | |
|--------------------------|-----------------------|
| VOLTAGE - INPUT CHARGING | 90-250V~ Input |
| PART NUMBER | E713100 |
| DESCRIPTION | Light Cannon |
| FREQUENCY | 50/60Hz |
| PLUG TYPE | 13A 240V BS EN 1363/A |
| LAMP TYPE | 8 X CREE LED |
| DIMENSIONS (LxWxH) | 143x200x236mm |
| CLASSIFICATION | IP44* |
| OPERATING TEMPERATURE | -20°C ~ 60°C |
| WEIGHT | 7.1Kg |
| CHARGING CURRENT | <1A |

* If used with and IPX4 rated enclosure

YORK
Survey Supply

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Clifton Moor, York, England YO30 4XE

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Fax: +44 (0) 1904 690385
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www.yorksurvey.co.uk

NB. Unit should be placed on charge within 3 months of purchase. Unit should be charged for a minimum of 16 hours to ensure 8 hours of light. Once charged, the unit should be charged every 3 months if not used regularly. If used on a regular basis unit should be charged after each working day.

YORK
Survey Supply

**Telescopic LED
Light Cannon**



Code: 53405

**Operating
Instructions**

Thank you for buying the Defender Light Cannon.

Designed and manufactured to the highest of standards to ensure a robust and long life, we hope it provides you with many years of trouble-free, safe and reliable service. It is suitable for both indoor and outdoor operation.

IMPORTANT SAFETY INSTRUCTIONS

This instruction booklet contains vital information for the safe use and operation of the Defender Light Cannon. Carefully read and understand all instructions before use. Failure to adhere to the instructions could result in serious personal injury or property damage. In addition, you should follow all warnings and instructions affixed to your Defender Light Cannon.

This product has been carefully designed for its intended purpose and must not be modified in anyway. Any alteration may compromise safety, as well as invalidate Technical Production Approvals and your insurance.

KEEP THIS BOOKLET FOR FUTURE REFERENCE.

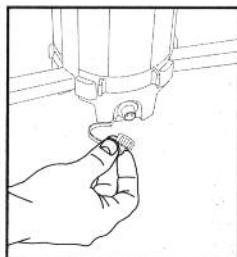
GENERAL SAFETY INFORMATION

1. Do not look directly into the light source.
2. Ensure you are aware of all the safety requirements and the Light Cannon is suitable for the task you wish to undertake.
3. It is suitable for both indoor and outdoor operation - ensure the 240V plug (BS1363/A) is connected to a suitable IP44 socket enclosure if charged outdoors.
4. Do not use if any of the components on the light are damaged. If there is any doubt about the condition do not use.
5. Protect power cord from contact with sharp objects, chemicals or hot surfaces.
6. Ensure the cable does not present a trip hazard during charging. Do not run cable across walkways.
7. Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.
8. Keep equipment dry whenever possible.
9. Do not use the near a source of heat.
10. The Light Cannon must not be modified in any way. Alterations of any description may invalidate the product warranty and technical approvals.
11. Always ensure that the unit has cooled completely before storing.
12. Do not work near flammable gases or liquids.
13. If the external flexible cable or cord of the luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
14. Do not block the vents on the rear of the light head.
15. Periodically check the vents to ensure no dirt or debris is blocking these vents.
16. Only use the manufactureres charging lead to charge the Light Cannon.

CHARGING PROCEDURE - connection

CAUTION – Lithium batteries can present a hazard if not handled correctly.

- Unscrew the dust cover from the charging socket.
- Plug the charging cable into the charging socket and screw to secure.
- Plug the charging cable in to a power supply. Refer to the rating label before connecting to the power supply.
- Remove charging cable once the Light Cannon is fully charged.
- Replace the dust cover after charging.



NB. Unit should be placed on charge within 3 months of purchase. Unit should be charged for a minimum of 16 hours to ensure 8 hours of light. Once charged, the unit should be charged every 3 months if not used regularly. If used on a regular basis unit should be charged after each use.

CHARGING SAFETY INFORMATION

- Only use the manufacturers charging cable to charge the Light Cannon.
- Once the battery is fully charged disconnect the charging cable from the mains and Light Cannon .
- Ensure battery charging is only conducted within a temperature range of 0°C - 45°C.
- Battery discharge should be between -20°C - 60°C.
- If stored for a long period of time ensure the Light Cannon is stored in a cool dry environment.
- Do not locate the battery/ charging module in direct sunlight.
- Do not use Light Cannon in a high static environment where sensitive equipment could be damaged.
- Upon first usage if there are any unusual odours observed or evidence of battery leakage return the unit immediately to the place of purchase.
- Do not open the battery pack.
- Keep batteries dry – do not expose to water or excessive humidity.
- Once the batteries reach their end of life dispose of responsibly – ensure an approved battery recycling scheme is used.

GETTING STARTED

- We recommend that you check the battery capacity to ensure sufficient run time is available.
- To check capacity of the battery, press the function switch (fig.5) and scroll to desired power setting. Please note the LCD will display "CAL" for approx 30-40 secs as the battery management calculates the remaining battery life on the chosen power setting. Note: The unit will recalculate everytime a different power selection is chosen.
- Site the Light Cannon in the desired position. Please consider the location carefully. Is this position going to create an obstruction?

TRIPOD OPERATION

CAUTION – consider positioning of hands and fingers before operation – moving parts can easily present potential trap hazards resulting in personal injury.

- Gently push the bottom of the leg to remove the locking transit clip (fig1). Note: upon first use the transit clips may be difficult to release. It is recommended that only one side of each leg is pushed at a time.
- To deploy release the red cam clamp on the leg collar.
- Position the Light Cannon on the ground
- With the Light Cannon on the ground slide the collar down the main body. Note as the collar slides down the legs will open to provide a stable tripod. Continue until the desired footprint is achieved offering maximum stability within the area available (fig2).
- Lock the red cam clamp to secure the legs in position.

