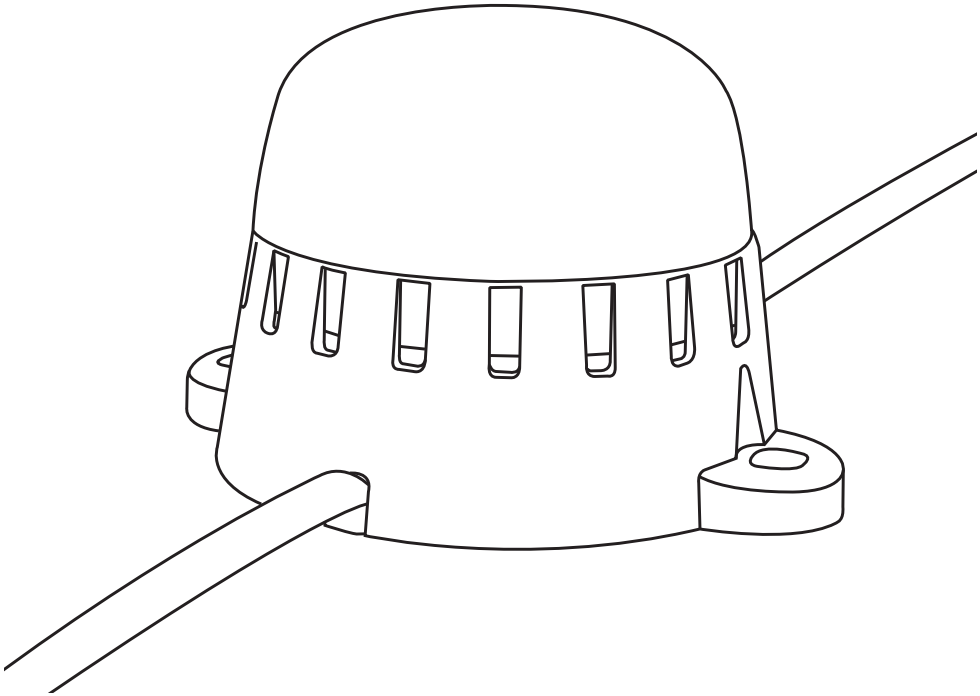
Defender
POWER AND LIGHT

# 65W LED Encapsulated Festoon String Lights 22m

Safety, operation &
maintenance instructions



**230V**

Stock No. 35899 Part No. 371403

## Introduction

Thank you for purchasing this Defender product. This manual contains information necessary for safe and effective operation of this product. This product has unique features and, even if you are familiar with similar products, it is necessary to read this manual carefully to ensure you fully understand the instructions. Ensure all users of the product read and fully understand this manual. Keep these instructions with the product for future reference.

## Description of Symbols

The rating plate on your product may show symbols. These represent important information about the product or instructions on its use.



Wear hearing protection
Wear eye protection
Wear breathing protection
Wear head protection



Wear hand protection



**WARNING:** To reduce the risk of injury, user must read instruction manual



Caution!



For indoor use only!



Class II construction (double insulated for additional protection)

UK CA
CE

Conforms to relevant legislation and safety standards.



**Environmental Protection**
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

## Specification

| | |
|---|---|
| **Voltage:** | 230V~ 50/60Hz |
| **Power:** | 65W (10 x 6.5W light modules) |
| **Plug type:** | 230V 13A |
| **Cable type:** | PVC cable H05VVH2-F, 2 x 0.75mm$^2$ |
| **Power cord length:** | 2m spacing between 10 LED light modules |
| **Protection class:** |  |
| **IP rating:** | Lamp: IP44<br>Plug: IPXO |
| **Operating temperature:** | -15°C to +50°C |
| **Ambient temperature:** | 25°C |
| As part of our ongoing product development, specifications of Defender products may alter without notice. | |

## Portable Lighting Safety Warnings

⚠ **WARNING:** The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

- The installation should be entrusted to a competent person who, if in doubt, must refer to a qualified electrical engineer.
- Before each use, inspect the cable for damage or abrasions. The external flexible cable or cord of this luminaire cannot be replaced. If the cord is damaged, the luminaire shall be scrapped.
- Do not use if any of the components on the light are damaged. If there is any doubt about the condition, do not use.
- Never attempt to modify or repair the product. Repairs carried out by unskilled persons can lead to damage or malfunction. Please contact the manufacturer or their service agent or a similarly qualified person to avoid a hazard.
- Do not illuminate when in a coil or enclosed, e.g. in the packaging.
- Do not connect directly with additional festoons.
- This lighting chain must not be used without all gaskets being in place.If lamps are broken or missing, do not use. Risk of electric shock.
- Never connect the product to a dimmer.

## Intended Use

Flexible lighting solution for illuminating worksite areas. Suitable for outdoor or indoor use. Not intended for permanent installation.

NOT INTENDED FOR COMMERCIAL USE. The product must ONLY be used for its intended purpose. Any use other than mentioned in this manual will be considered a case of misuse. The operator, and not the manufacturer, shall be liable for any damage or injury resulting from such cases of misuse. The manufacturer shall not be liable for any modifications made to the product, nor for any damage resulting from such modifications.

## Unpacking Your Product

- Carefully unpack and inspect your product. Familiarise yourself with all its features and functions.
- Ensure that all parts of the product are present and in good condition. If any parts are missing or damaged, have such parts replaced before attempting to use this product.

## Before Use

### Installation

⚠ **WARNING:** Protect power cord from contact with sharp objects, chemicals or hot surfaces.

- The festoon should be positioned so that it does not cause an obstruction to personnel or machinery.
- Do not connect to the power source until the festoon is fully fitted into position.
- The first LED module should be positioned to provide adequate cable length to the supply point and should be suitably secured by strapping or similar restraint.
- Where practical each LED module should be held in position using the fixing holes provided. When not practical it is recommended that a cable tie is used on each side of the module.

## Operation

⚠ **WARNING:** Always ensure the plug matches the outlet socket and check that the voltage supply is the same as that specified on the rating label.

⚠ **WARNING:** Do not remove plug from mains supply by pulling on the power cord.

1. Ensure no persons are in contact with the festoon, then switch on.
2. Immediately check each LED module to satisfy that no danger is present. A damaged gasket can cause electrocution.
3. Disconnect the festoon from the power supply before removing or moving the festoon.

## Maintenance

⚠ **WARNING:** ALWAYS disconnect from the power supply before carrying out any inspection, maintenance or cleaning.

⚠ **WARNING:** The lamps are not replaceable. If damaged do not use. Dispose of safely.

### General inspection

- Check daily to inspect for any physical damage or abrasions to the power cables. Ensure there is no visible damage to the festoon and that all connections to the power source are good.

### Cleaning

- Keep your product clean at all times. Clean the body of your product with a soft brush, or dry cloth.
- Clean the product casing with a soft damp cloth using a mild detergent. Do not use alcohol, petrol or strong cleaning agents.
- Never use caustic agents to clean plastic parts.

## Storage

- Store this tool in a secure, dry location out of the reach of children.

## Contact

For technical or repair service advice, please contact the helpline on +44 (0) 23 8049 4344.

**Web:** www.defenderpower.com

**UK Address:**
Hursley Road
Chandler's Ford
Eastleigh, Hampshire
SO53 1YF, UK

## Disposal

Always adhere to national regulations when disposing of electrical products that are no longer functional and are not viable for repair.

- Do not dispose of waste electrical and electronic equipment (WEEE) with household waste.
- Contact your local waste disposal authority for information on the correct way to dispose of electrical products.

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