Jefferson®
PROFESSIONAL TOOLS & EQUIPMENT

JEFFES22M-110
ES 22M FESTOON LIGHT KIT
USER GUIDE
v.1.1

INTRODUCTION

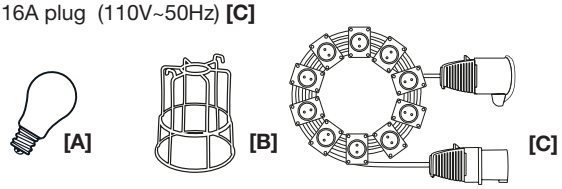
This Festoon lighting kit uses the latest in LED technology for long lasting performance and features a 22M hanging light chain, complete with 10x holders, ES bulb fittings and guards. The lights are fully insulated, IP44 rated and suitable for both indoor and outdoor use.

FEATURES:

- Tough, replaceable, polycarbonate 10W LED bulbs equivalent to standard 60W GLS bulbs (100W / 8000 Lumens combined lighting power)
- LED bulbs provide longer lasting performance with up to 30,000 hours compared to 2,000 hours with traditional GLS 60W bulbs
- Electrically moulded ES fittings (E27 Edison Screw)
- IP44 rating

KIT CONTENTS:

- **10x** 10W LED Light Bulbs **[A]**
- **10x** Bulb wire guards **[B]**
- **1x** 22m of 2mm cable fitted with a BS EN 60309 Coupler and 16A plug (110V~50Hz) **[C]**



SPECIFICATIONS

Supply Voltage:	110V
Frequency:	50Hz
Plug / Socket :	16A 110V BS EN 60309
Cable:	22M H05VV-F PVC 110V (2 x 2mm²)
Insulation:	IP44
Operating Temperature:	-25°C - 45°C
Illumination:	240°
Colour Temperature:	6500K
Light Emmision:	100W - 8000 Lumens

Warning: This festoon lighting kit only operates from a 110V~50Hz supply. Contact a qualified electrician for advice on any issues relating to electrical safety in your working environment prior to use.

Information on Disposal for Users of Waste Electrical & Electronic Equipment (WEEE)

This symbol on the product(s) and / or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery and recycling, please take this product(s) to designated collection points where it will be accepted free of charge.

SAFETY GUIDELINES

Important: Please read all information carefully before use and keep these instructions in a safe place for future reference.

Ensure that you check the equipment thoroughly to ensure it is safe and fit for purpose before each use. It is important that you inspect all plugs, sockets, power cables and electrical fittings for wear and damage and repair or replace any defective components. Ensure that the power cable is kept away from heat, oil and sharp edges.

The risk of electric shock can be minimised by the correct use of the appropriate electrical safety devices. We recommend that you fit a **Residual Current Circuit Breaker (RCCB)** in the main distribution board and that a **Residual Current Device (RCD)** is used when operating this equipment.

The **Electricity at Work Act 1989** includes legislation that places legal implications on employers to ensure the safety of electrical devices in the workplace. The regulations dictate that all portable equipment must be inspected regularly and tested to ensure that it is safe for use. 'Portable equipment' means any electrical item that can be moved and this is often referred to as **Portable Appliance Testing (PAT)**. PAT testing should be carried out regularly on this equipment by trained, authorised personnel, as required by the legislation.

The **Health and Safety at Work Act 1974** states that it is the responsibility of the owner of electrical appliances to ensure that both the equipment and working environments are maintained to ensure safe operation at all times.

Ensure that the power supply matches voltage requirements specified on the equipment and that the plug is wired correctly and fitted with the correct fuse. If the electrical fuse blows, ensure it is replaced by an identical type of fuse with the same rating.

Do not operate or connect to the electrical supply when the cable is in a coil. Follow installation instructions prior to connecting to the supply. Disconnect from the power supply before replacing the LED bulbs or making any adjustments to the position of the chain.

Allow the LED bulbs to cool before removing or disconnecting. Ensure equipment is well-maintained and checked for damage before use. Do not use if the equipment is damaged. Contact your nearest Jefferson Dealer for advice on parts and repair.

INSTALLATION

1. Prior to connecting to a power supply, secure the bulb guards to the E27 Edison Screw Fittings, using the hooks on the guards to fix to the cable.
2. Carefully screw in each LED bulb, ensuring a secure fit.
3. Hang the festoon light chain in a suitable location ensuring that they are adequately supported and prevent straining of the cable. The first bulb holder module should be positioned to provide adequate cable length to the supply point and should be suitably secured.
4. Where possible, each bulb module should be screwed in position using the fixing holes supplied (cable ties can be used to secure each module if screws are impractical in your working environment).
5. Connect the 16A plug to a 110V AC supply and turn the power supply on.
6. Check that all of the bulbs are functioning correctly (replace any broken bulbs as required).

LIMITED WARRANTY STATEMENT

Jefferson Professional Tools & Equipment, or hereafter "Jefferson" warrants its customers that its products will be free of defects in workmanship or material. Jefferson shall, upon suitable notification, correct any defects, by repair or replacement, of any parts or components of this product that are determined by Jefferson to be faulty or defective.

This warranty is void if the equipment has been subjected to improper installation, storage, alteration, abnormal operations, improper care, service or repair.

Warranty Period

Jefferson will assume both the parts and labour expense of correcting defects during the stated warranty periods below.

All warranty periods start from the date of purchase from an authorised Jefferson dealer. If proof of purchase is unavailable from the end user, then the date of purchase will be deemed to be 3 months after the initial sale to the distributor.

1 Year
• *Jefferson ES 22M Festoon Light Kit [JEFFES22M-110]*

90 Days
• All replacement parts purchased outside of the warranty period

Important: *All parts used in the repair or replacement of warranty covered equipment will be subject to a minimum of 90 days cover or the remaining duration of the warranty period from the original date of purchase*.

Warranty Registration / Activation

You can register and activate your warranty by visiting the Jefferson Tools website using the following address:
www.jeffersontools.com/warranty and completing the online form.

Online warranty registration is recommended as it eliminates the need to provide proof of purchase should a warranty claim be necessary.

Warranty Repair

Should Jefferson confirm the existence of any defect covered by this warranty the defect will be corrected by repair or replacement at an authorized Jefferson dealer or repair centre.

Packaging & Freight Costs

The customer is responsible for the packaging of the equipment and making it ready for collection. Jefferson will arrange collection and transportation of any equipment returned under warranty. Upon inspection of the equipment, if no defect can be found or the equipment is not covered under the terms of the Jefferson warranty, the customer will be liable for any labour and return transportation costs incurred. These costs will be agreed with the customer before the machine is returned.

NOTE: ** Jefferson reserve the right to void any warranty for damages identified as being caused through misuse **

Warranty Limitations

Jefferson will not accept responsibility or liability for repairs made by unauthorised technicians or engineers. Jefferson's liability under this warranty will not exceed the cost of correcting the defect of the Jefferson products.

Jefferson will not be liable for incidental or consequential damages (such as loss of business or hire of substitute equipment etc.) caused by the defect or the time involved to correct the defect. This written warranty is the only express warranty provided by Jefferson with respect to its products.

Any warranties of merchantability are limited to the duration of this limited warranty for the equipment involved.

Claiming Warranty Coverage

The end user must contact Jefferson Professional Tools & Equipment:

(Tel: +44 (0) 1244 646 048) or their nearest authorised Jefferson dealer where final determination of the warranty coverage can be ascertained.

Step 1 - Reporting the Defect

Online Method:

Visit our website www.jeffersontools.com/warranty and complete the Warranty Returns form. You can complete the form online and submit it to us directly or download the form to print out and return by post.

Telephone Method:

Contact your Jefferson dealer or sales representative with the following information:

- Model number
- Serial number (usually located on the specification plate)
- Date of purchase

A Warranty Returns form will be sent to you for completion and return by post or fax, together with details of your nearest authorised Jefferson repair centre. On receipt of this form Jefferson will arrange to collect the equipment from you at the earliest convenience.

Step 2 - Returning the Equipment

It is the customer's responsibility to ensure that the equipment is appropriately and securely packaged for collection, together with a copy of the original proof of purchase. Please note that Jefferson cannot assume any responsibility for any damage incurred to equipment during transit. Any claims against a third party courier will be dealt with under the terms & conditions of their road haulage association directives.

NOTE: *Jefferson will be unable to collect or process any warranty requests without a copy of the original proof of purchase.*

Step 3 - Assessment and Repair

On receipt, the equipment will be assessed by an authorised Jefferson engineer and it will be determined if the equipment is defective and in need of repair and any repairs needed are covered by the warranty policy. In order to qualify for warranty cover all equipment presented must have been used, serviced and maintained as instructed in the user manual.

Where repair is not covered by the warranty a quotation for repair, labour costs and return delivery will be sent to the customer (normally within 7 working days). Note: If the repair quotation is not accepted Jefferson Professional Tools & Equipment will invoice 1 hour labour time at £30 per hour plus return carriage costs (plus VAT).

In cases where no fault can be found with the equipment, or, if incorrect operation of the equipment is identified as the cause of the problem, a minimum of 1 hour labour at £30 per hour plus carriage costs will be required before the equipment will be despatched back to the customer.

Any equipment repaired or replaced under warranty will normally be ready for shipment back to the customer within 7 working days upon receipt of the equipment at an authorised Jefferson Repair centre (subject to part availability). Where parts are not immediately available Jefferson will contact you with a revised date for completion of the repair.

General Warranty Enquiries

For any further information relating to Jefferson warranty cover please call:
+44 (0) 1244 646 048 or send your enquiry via email to **warranty@jeffersontools.com**

Disclaimer:
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RoHS 2011/65/EU

EC Declaration of Conformity

We, Jefferson Professional Tools & Equipment, as the authorised European Community representative of the manufacturer, declare that this equipment conforms to the requirements of the following Directives:

* Electromagnetic Compatibility **2014/30/EU (as amended)**
* Restriction of Use of Hazardous Substances (ROHS) **2011/65/EU (as amended)**

Signed by: Stephen McIntyre (Operations Director)

Date: 19.06.19 **Tel.** +44 (0)1244 646 048 **Email:** sales@jeffersontools.com

Name and address of manufacturer or authorised representative:

Jefferson Tools,
Herons Way,
Chester Business Park,
Chester,

ed Kingdom,
CH4 9QR