

## MAINTENANCE

To clean reflector and condenser lens.

Open lamp house and remove lamp, observing safety precautions, leave lenses to cool. Wipe surfaces with a damp cloth to which a little detergent has been added.

To clean front lenses :

1. Remove shutter blades (if used).
2. Remove top centre screw from front of spot.
3. Pull top baffle plate released by screw forward as far as possible noting that plate is retained by internal flanges.
4. Clean lenses with damp cloth.
5. Slide top baffle plate back to its original position and replace retaining screw.
6. Replace shutter blades (if used).
7. To clean the Bi-Convex lens and silvered glass reflector Open rear bottom plate gaining access to lamp. Carefully remove lamp following all lamp handling instructions, gently wipe reflector and Bi-Convex lens with damp cloth. Replace lamp securing with locking screw.

## CAUTION

Damaged lenses or UV safety screens **MUST** be replaced before luminaire is used.

(a) When replacing or adjusting a lamp, the product with particular attention to all internal and external wiring, should be inspected and any faults corrected.

(b) At least once every twelve months the product, if portable, should be bench inspected for electrical and mechanical wear and damage. If not portable this inspection should be carried out in situ.

(c) Depending upon usage, internal and external wiring will deteriorate in time and should be replaced at the first indication of wear or ageing.

(d) Product can be returned to any CCT service representative for repair and or maintenance. Spare and replacement parts can be supplied for use by other competent service.

Finally ...

**CHECK CABLE AND PLUG FOR ANY SIGNS OF DAMAGE  
REPLACE DAMAGED PARTS IMMEDIATELY.**

CCT Lighting Limited, is constantly developing, improving and changing its product line. All descriptions and specifications this publication present only general particulars and shall not form any part of any contract. The right is reserved to change the specification without prior notification.

## ACCESSORIES

- |       |                    |
|-------|--------------------|
| Z0433 | Drop-Iris          |
| Z0431 | Extra filter frame |
| Y0082 | Black Safety Bond  |
| Y0083 | Hook clamp         |
| Y0057 | Spigot             |
| Z0100 | Roto gobo holder   |

## GENERAL USER INFORMATION

CCT products, unless specifically stated otherwise, are intended for lighting purposes only.

Follow the information given on the specific product information sheet.

The Company will not accept responsibility for any injury, damage or loss which may arise as a result of incorrect operation or maintenance.

Ensure that the rated voltage of the luminaire is compatible with the mains supply to be used.

Installation should be carried out in accordance with local wiring regulations (e.g. in the U.K. these are the "Regulations for Electrical Installation" published by the Institution of Electrical Engineers).

The electricity supply should be switched off before any electrical work is undertaken including maintenance, replacing a fuse or lamp.

Unless otherwise marked on the luminaire, all CCT luminaire are designed for operation in a maximum ambient temperature of 45°C for indoor use.

Unless otherwise marked on the luminaire, all CCT luminaires are for use in normal indoor conditions (IP20).

Luminaires should not be used in damp, dusty or corrosive situations. Observe the correct polarity when making connections to the mains supply and follow all specific wiring instructions.

Observe mounting limits imposed by mounting surface material.

Observe temperature limits imposed by mounting surface material.

Follow specific CCT lamp instructions as well as those of the lamp manufacturer.

Observe luminaire maximum wattage limitations.

The lampholders used in CCT luminaires are not designed to receive "life adaptors" or similar devices.

The Company can accept no liability for the installation or use of such devices or for any loss or damage whatsoever, nor for any death or personal injury which may arise in consequence of the installation or use of any such devices within CCT luminaires.

CCT luminaires must not be covered by heat insulating material or by any other material which prevents proper heat dissipation.

Luminaire enclosures must not be opened immediately after switching off and adequate time must be allowed for lamps, ballasts, etc., to cool.

Observe carefully the limitation on the minimum distance from the lighting surface or object.

Failed lamps should be replaced promptly and the luminaire should be switched off as soon as lamp failure is noted to avoid damage.

Only replacement components authorised by CCT may be used.

Unless otherwise stated CCT luminaires are designed for direct connection to a standard mains supply as marked on the luminaire.

Servicing, e.g. cleaning, lamp or fuse replacement, etc., should only be carried out after luminaire has been made electrically safe.

Cleaning should be carried out at regular intervals for hygienic reasons and to ensure that dirt does not accumulate to an extent that will impair the electrical and or thermal safety of the luminaire or product.

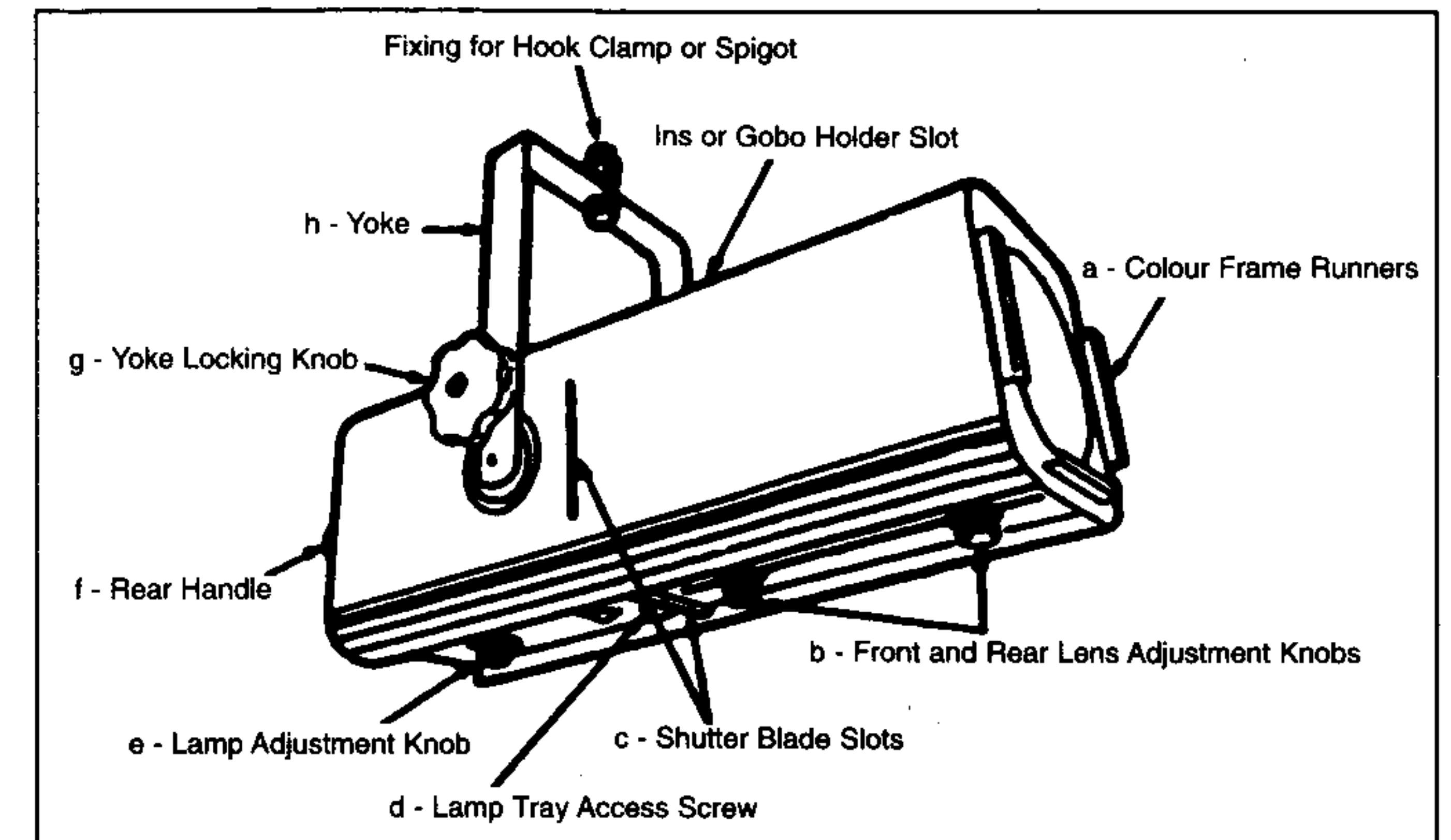
Regular cleaning will also ensure that the optical performance is maintained.

# CCT LIGHTING

## USER INSTRUCTIONS

Leaflet Ref : W0603P

JANUARY 2004



## Minuette Profile Spotlight Condenser Optics

Order Code **Z0602P/Z0603P**

### WARNING - BEFORE USE :-

- (a) Read these instructions
- (b) Inspect product for damage upon removal from its carton
- (c) Ensure that external supply wiring and socket (if to be used) is properly installed and protected.

THIS INFORMATION IS GIVEN IN THE BEST INTERESTS OF:  
Safety, Handling, Installation, Use and Maintenance of products sold by CCT lighting.

Instructions relevant to each product will be found in the carton in which the product is supplied. They must be carefully read before any attempt is made to use and or install the product. The instruction sheet should be retained for further reference. Additional copies are available on request.

In the UK, installers and users are obliged under the "Health and Safety at Work Act" to ensure that they are acquainted with information supplied with the product and are fully aware of any precautions that need to be taken.

CCT products are designed to conform to the requirements of UK law and to the requirements of relevant national and international standards.

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**SPECIAL NOTE**

CCT products should not be modified. Any modification may render the product unsafe and will invalidate any safety/approval marks. CCT Lighting Limited, will not accept any responsibility for damage caused as a result of their modification.

**INSTALLATION**

Installation of CCT products should be carried out only by competent persons in accordance with instructions supplied with the luminaire and/or accessory. If in any doubt, consult a suitably qualified person.

**LAMP FITTING**

Suitable lamps - base MUST be GY9.5  
 220V/240V 300W M38, 500W M40  
 (Suitable only for static display use)  
 500W T/18, T/25 or equivalent  
 650W T/26, T/27 or equivalent  
 115V/120V 500W T/18

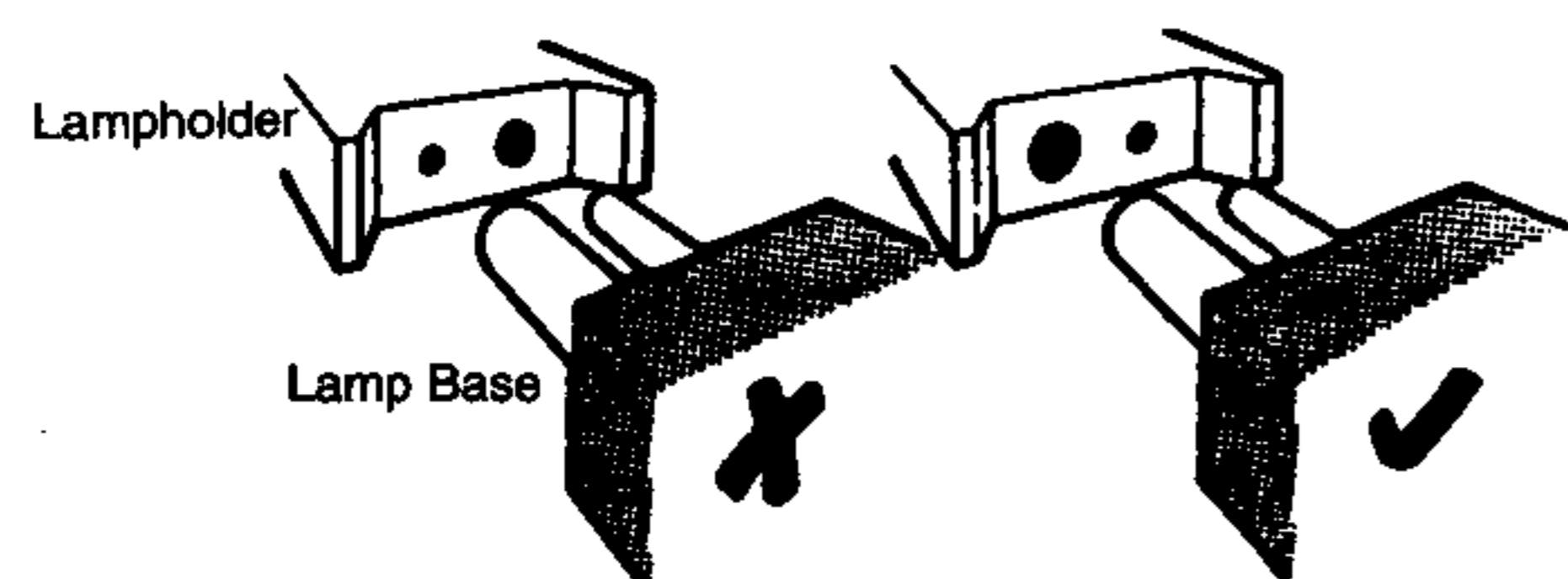
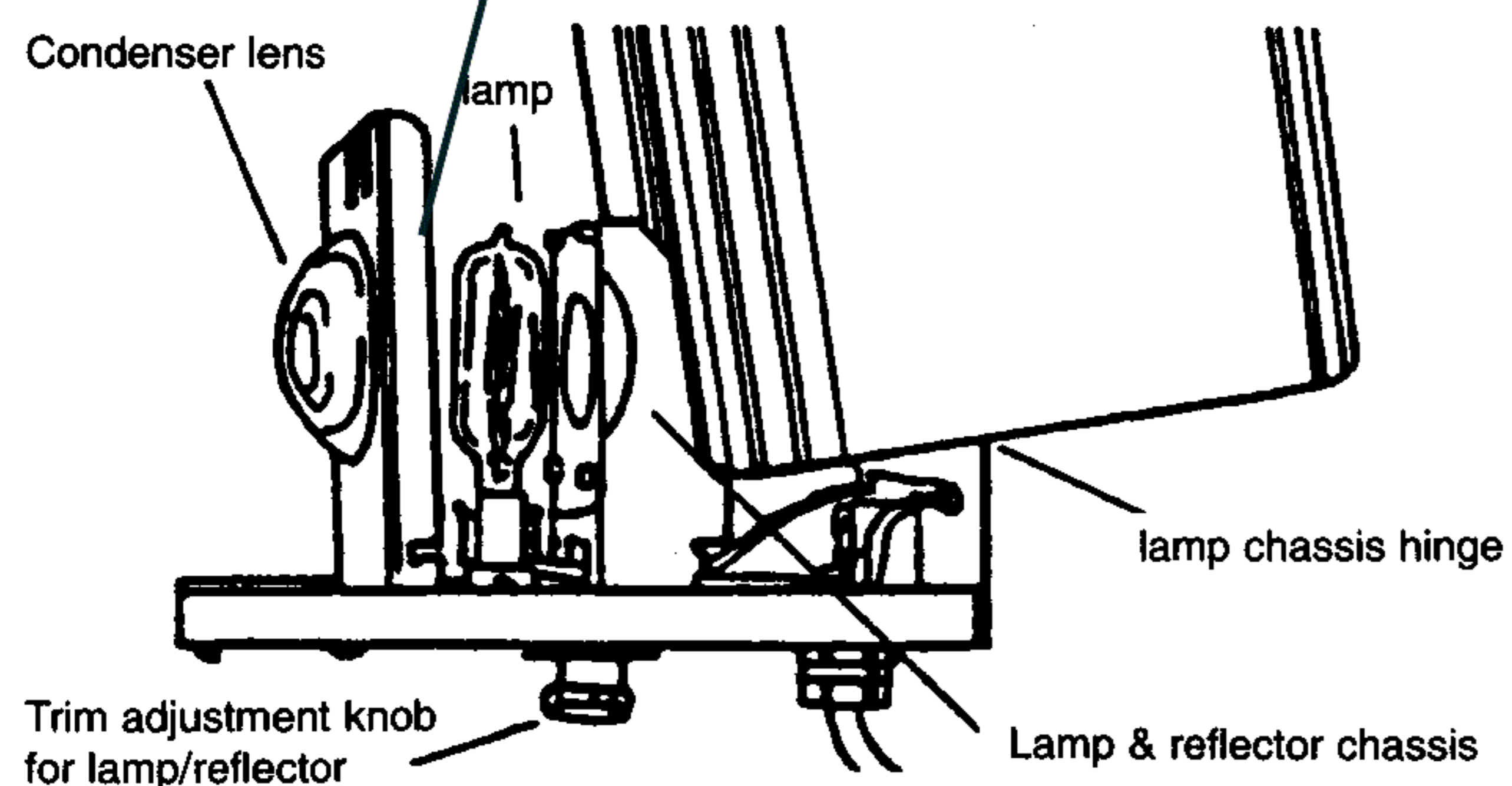
Damaged or thermally deformed lamps **MUST NOT** be used. Lamp manufacturers instructions must be followed at all times.



NEVER attempt to insert a lamp with the spotlight connected to a dimmer circuit or to mains. Before opening the spotlight, UNPLUG the power cable.

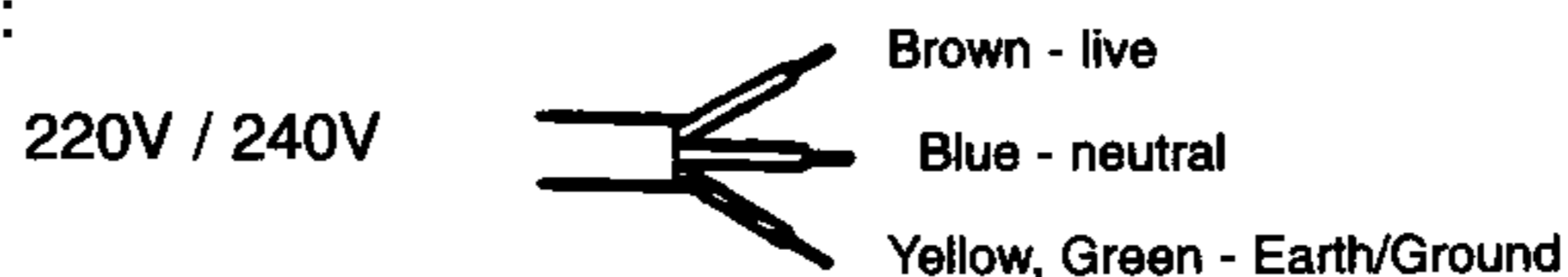
Do not touch the lamp surface - use the disposable glove or shield provided with the new lamp when fitting it into the lampholder. When changing a recently-failed lamp, allow time for the lamp and condenser lens to cool before removing it from the spotlight. Failure to observe this precaution **MAY RESULT IN SEVERE BURNS.**

**\*Ensure air gap between lamp and condenser lens\***



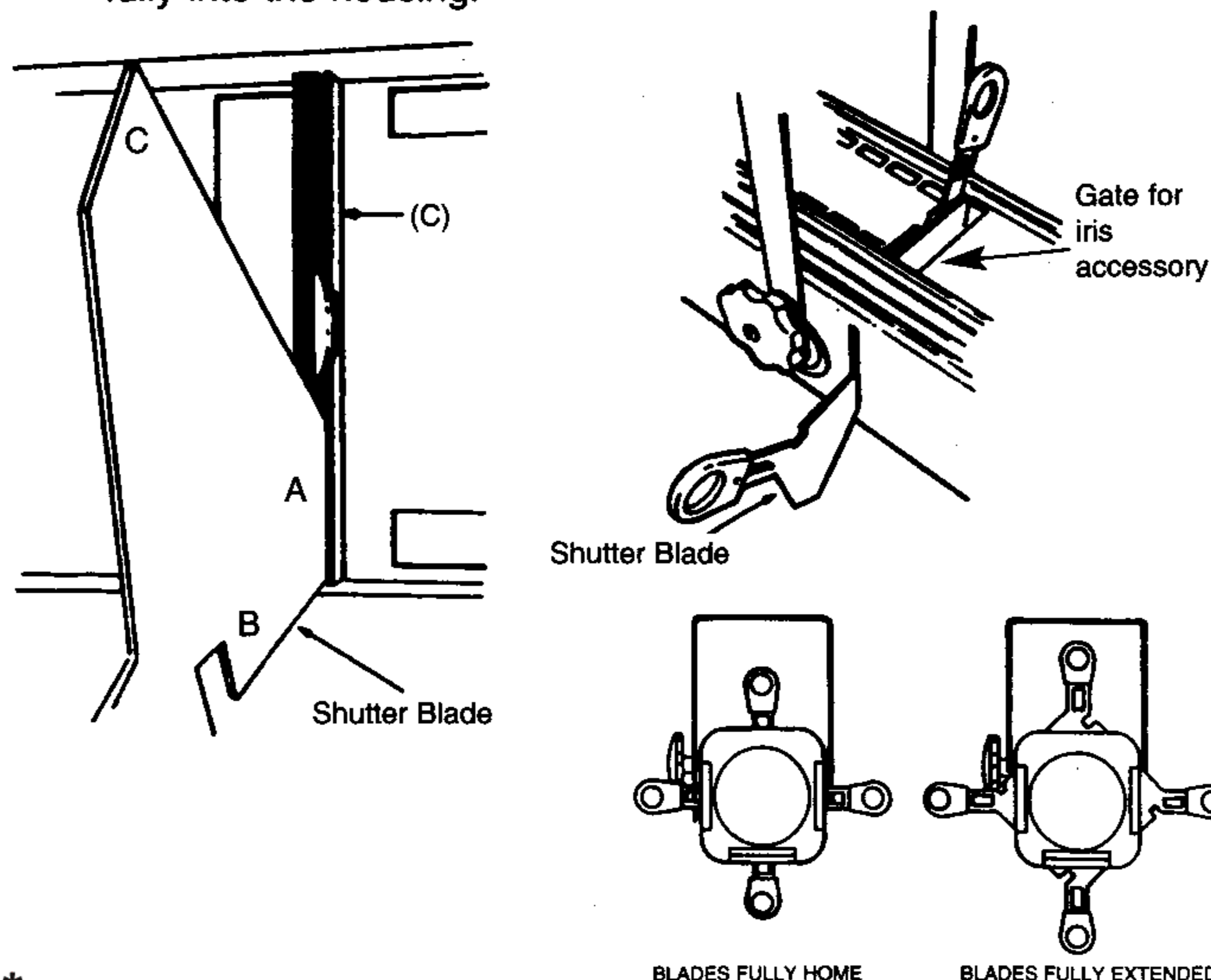
**FITTING PLUG**

A suitable plug of at least 5A(220/240V) rating should be fitted to the spotlight power cable, observing the connection colour code as follows:



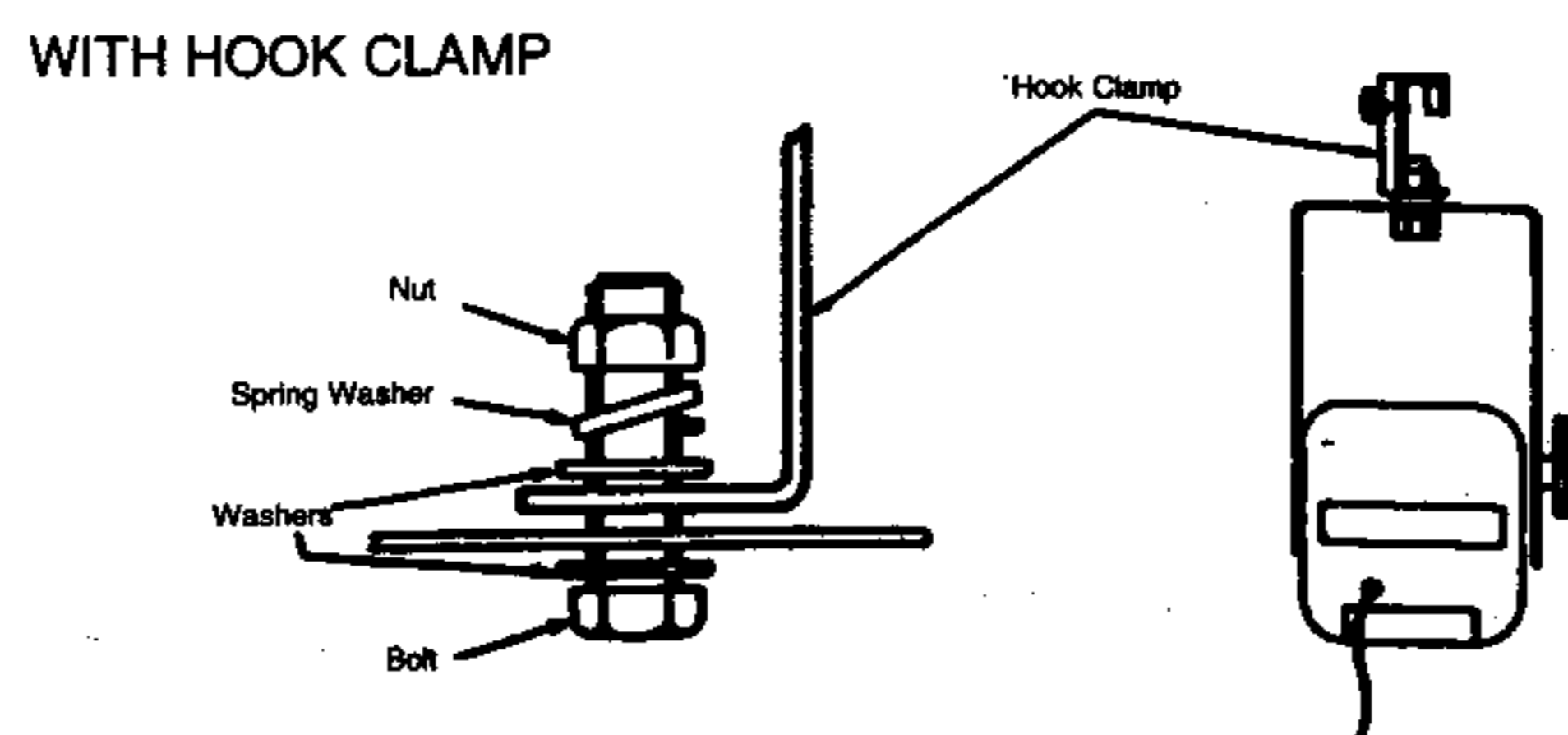
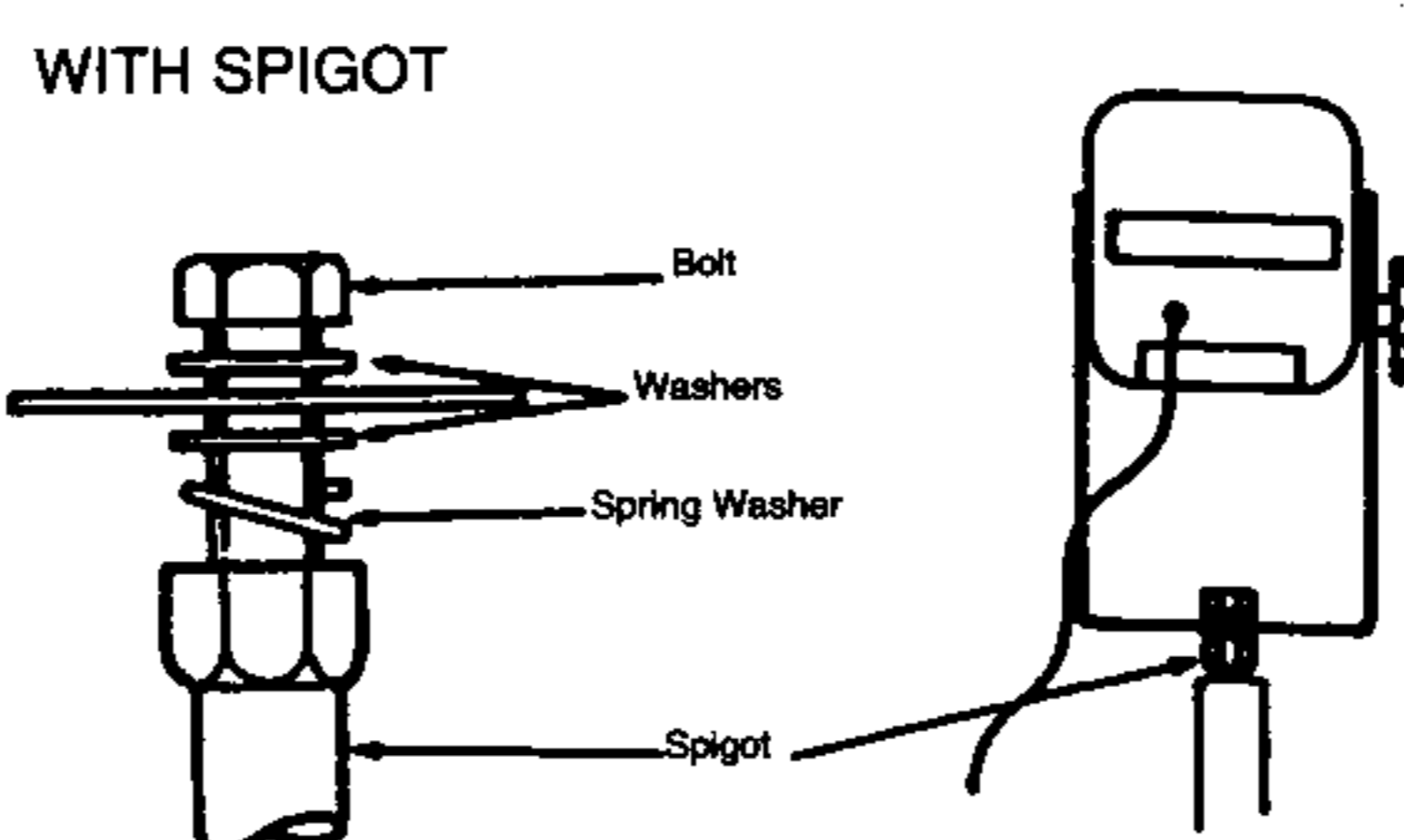
**INSERTING SHUTTER BLADES:**

1. Insert corner A between semi-circular notches in shutter blade slot (c).
2. Push blade in until notch B engages in extreme edge of slot.
3. This will allow clearance for corner C to be rotated fully into the housing.



4. Repeat in rotation until all shutter blades are securely home.

**MOUNTING**



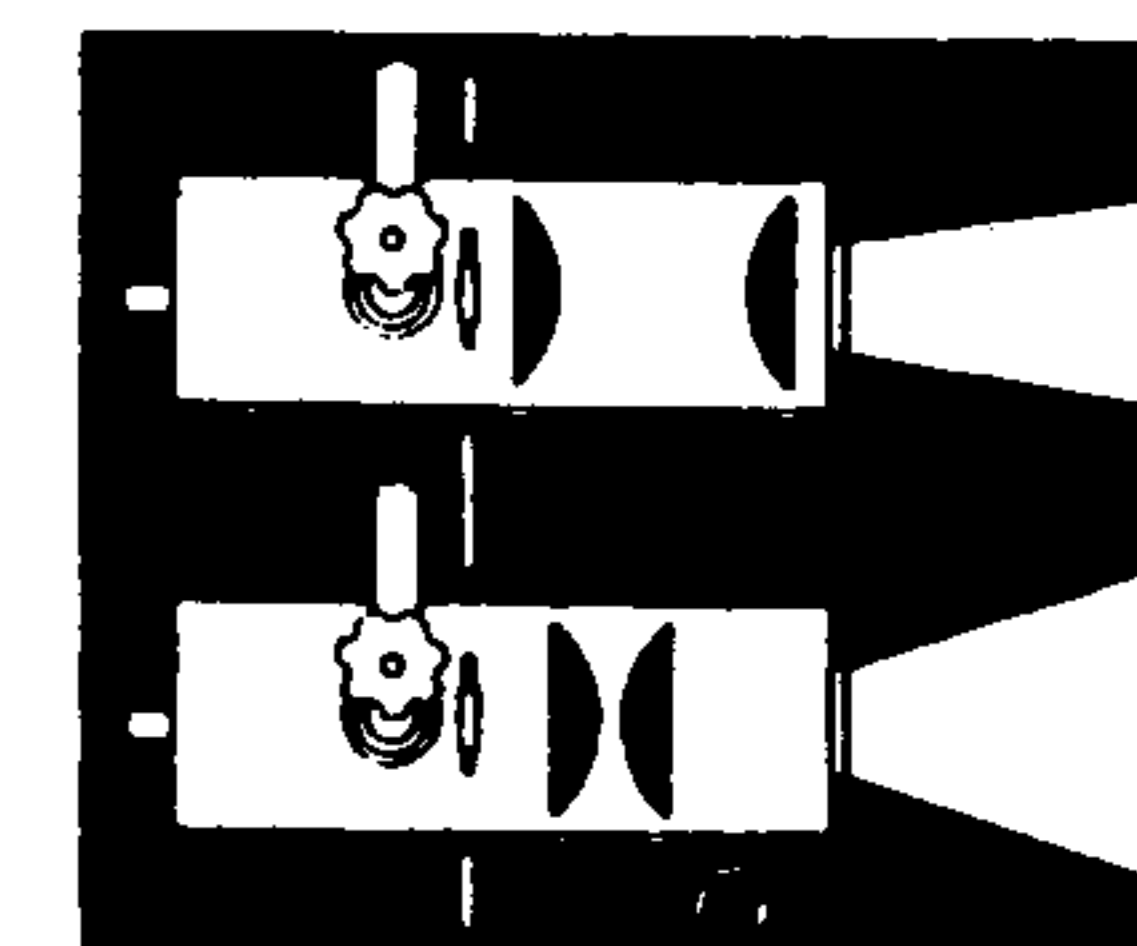
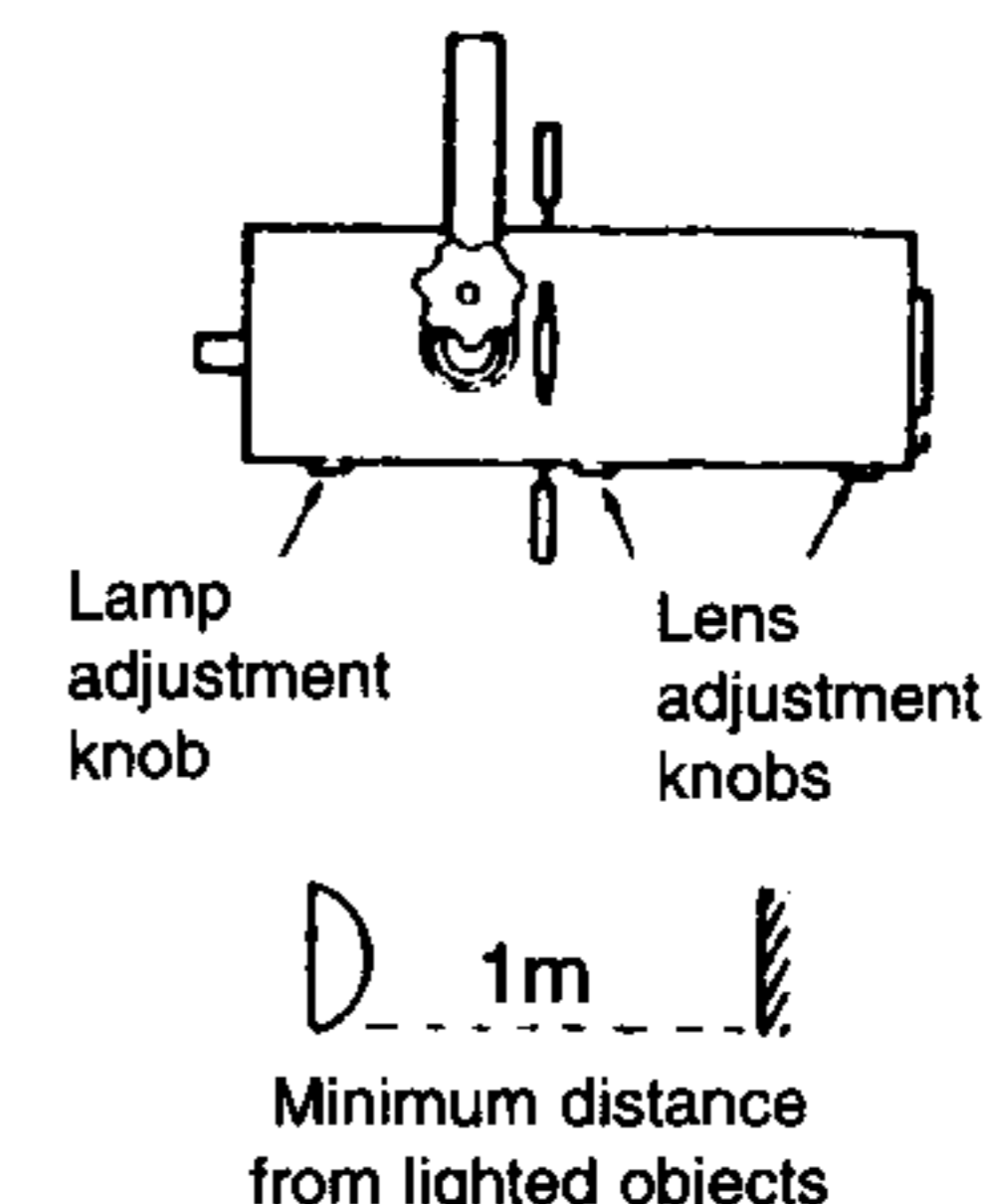
**LUMINAIRE MAXIMUM SURFACE TEMPERATURE (MST)**

Maximum after 5 minutes 115°C  
 Maximum at Steady State 200°C

**FOCUS AND LAMP ADJUSTMENTS**

The lens system allows variable beam spread and should be used to set the required beam size, before trimming with the shutters or the iris.

The lenses are moved by first loosening the lens adjustment knobs and then sliding the knobs to the required positions. When the desired setting is achieved, the knobs are tightened to secure the lenses. Beam softening can be affected by slight adjustments to the rear lens knob.



The lamp adjustment knob allows the quality of the spotlight beam to be controlled, from "peak to flat". The knob should be moved gently while the lamp is powered, to preserve lamp life.

**FAULT FINDING**

Symptom	Possible Fault	Cure
No light	No lamp Faulty lamp No power	Fit lamp Fit new lamp Check supply and spotlight cable Check circuit fuse
	Shutters Fully in	Extend shutters
Uneven light	Lamp adjustment knob moved	Check lamp Adjustment
	Lamp not fully seated in holder	Check lamp in lampholder, observing safety precautions