

- 6.2.4 Hold the lamp by its front rim, insert it into the lampholder and rotate the lamp clockwise, until it locks into position.
- 6.2.5 Locate the lamp on the front rim and secure it between the two springs. The front of the lamp will seat itself into the ring.
- 6.2.6 Any marks can be wiped clean using a soft lint free cloth.
- 6.2.7 Return internal rim to its latched position.
- 6.3 Switch on supply.
- 6.3.1 **REPLACING LAMPS**
- 6.3.2 Failed lamps should be replaced as soon as possible ensuring the new lamp is exactly the same type (wattage and physical size).
- 6.3.3 switch off mains supply.
- 6.3.4 Unlatch the internal rim.
- 6.3.5 Unlock Lampholder from lamp. Remove lamp from the front rim of the fitting.
- 6.3.6 Fit new lamp (Follow **points 6.2** onwards above).

Technical Enquiries

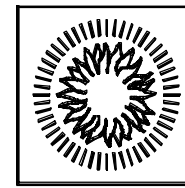
If you need any help with the installation or maintenance of Illuma products, you can:

- a. Call our Technical Hotline number: Tel. 0845 6060414 (UK customers only)
- b. Call our sales office Tel. +44 (0)1509 601050
- c. or fax us on Fax. +44 (0)1509 601036

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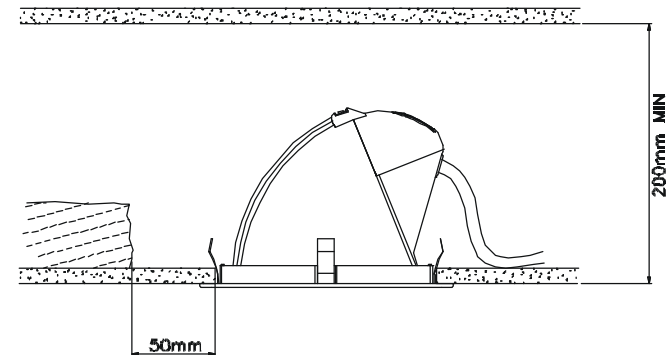
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INSTALLATION & WIRING INSTRUCTIONS FOR
ARC DOWNLIGHTS WITH PARES111 LAMPS



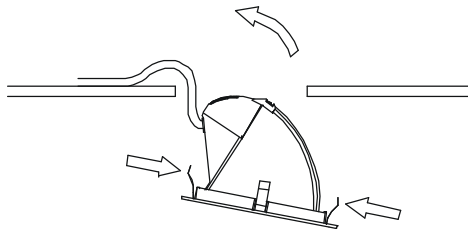
1. **IMPORTANT: Please read these instructions carefully before proceeding with installation.**
- 1.1 This instruction sheet should be passed on by the installer to the end user for maintenance purposes.
- 1.2 It is recommended that the fitting is installed by a competent electrician in accordance with these instructions and appropriate wiring regulations.
- 1.3 Illuma products should not be modified. The company will not accept any responsibility for any modified products or for any damage caused as a result of their modification.
- 1.4 The fitting is suitable for indoor use in normal dry atmospheres and should be protected from condensation and splashing, which may cause the lamp to shatter.
- 1.5 The fitting should not be positioned closer than **1.0m** to the surface of the lighted object.
- 1.6 To clean fittings use a soft damp cloth and dry immediately. Do not use any chemical/abrasive cleaner.
- 1.7 In certain circumstances you may be required to maintain the fire rating integrity of the ceiling. If in doubt please check with your local building inspector.
- 1.8 This fitting must NOT be covered by insulating material which prevents natural heat dissipation. It is not recommended to install the fitting in areas which are liable to reach temperatures in excess of 35°C
- 1.9 All fittings run hot. It is the installer's responsibility to consider fire risk and take precautions. The fittings should not be installed close to any flammable material.

2. GENERAL

- 2.1 The ARC ES111 fitting is a 75W adjustable downlight.
- 2.2 ARC downlights are suitable for dimming.
- 2.3 Lamps are not supplied with the fitting and should be ordered separately. Information regarding specific lamping details is provided on the label affixed to the product. Illuma products will give you many years of trouble-free service; but you can maximise their life by only using guaranteed long-life, branded lamps.
- 2.4 Failed lamps should be replaced immediately, allow lamps to cool before attempting replacement. Ensure the new lamp is exactly the same type (i.e. voltage, wattage, lamp cap and physical size). A variety of beam angles are available.
- 2.5 Fittings supplied complete with 600mm of high temperature cable and this should not be extended.

3. WIRING & INSTALLATION

- 3.1 Select required position for fitting and cut a 170mm diameter hole. For a ceiling thickness of less than 7mm, cut a 165mm diameter hole. See diagram on front page for dimensions.
- 3.2 **Switch off mains supply** before making any wiring connections.
- 3.3 Connect the wires from the fitting to the mains wiring by use of the supplied connector block.
- 3.4 Squeeze all four retention springs against scoop body and push luminaire through hole until bezel rim is flush with the ceiling.



4. ROTATING THE FITTING VERTICALLY

- 4.1 Grip internal bezel rim edges where diamond is sunk into rim face and pull down to required angle. Maximum rotation 60 degrees.

5. ROTATING THE FITTING HORIZONTALLY

- 5.1 Grip around circumference of internal bezel rim (some vertical angle may be required) and rotate to required angle. Maximum rotation 358 degrees.

6. FITTING / REPLACING LAMP

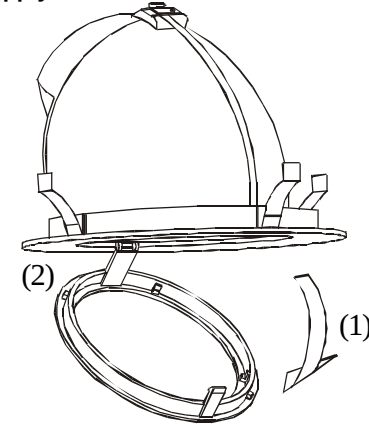
- 6.1 **IMPORTANT: The fitting must be switched off at the mains when fitting / replacing lamps.**

- 6.1.1 ES111 lamps should only be handled across the rim when inserting them into the fitting. Do not touch the front of the lamp with bare fingers. (lamp manufacturers' instructions should be read in conjunction with these instructions).

- 6.1.2 Always re-latch internal rim to scoop body before turning the fitting on.

6.2 FITTING LAMP

- 6.2.1 **Ensure mains supply is switched off.**



- 6.2.2 Ensure that the scoop body is in the horizontal position before unlatching the internal rim.

- 6.2.3 (1) Unlatch internal rim from the scoop body (using recess highlighted by internal diamond). (2) Pull direction down from the hinge side. Allow internal rim to swing clear of scoop body (see above).