30/60/90 Minute Fire Rated Downlights
Approved to BS476 Part 21
Part “B, C & E” Compliant

Low Voltage / GU10 Mains i-Cage Downlight – AICD/W, AICD/BR, AICD/CH, AICD/SC

INSTALLATION INSTRUCTIONS – Please retain these instructions for future reference and maintenance

Important Safety Information

- Before installation, maintenance or lamp replacement, ensure that the mains supply to the luminaire is switched off and the circuit supply fuses are removed or circuit breaker turned off.
- It is recommended that a qualified electrician is consulted or used for the installation of this luminaire and installed to the current edition of the IEE wiring regulations.
- Check that the total load on the circuit including this luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Ansell Lighting recommends the use of recognised branded lamps. The performance of this fitting, and/or your guarantee may be invalidated if incorrect or poor quality lamps are installed in this luminaire.

Ratings

- This luminaire is supplied for the use of both Low Voltage and GU10 Mains Voltage lamps. When used with GU10 Mains lamps, the luminaire is of Class I construction and MUST be earthed. When used for Low Voltage, the construction is now Class III (SELV) and does not require to be earthed.
- F Marked, suitable for installation on to normal flammable surfaces.
- IP20 rated for interior applications.
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- A suitable low voltage transformer (Ansell part code ATX60/AUTO) is required to operate the lamp (MAXIMUM LAMP RATING 50W)
- 12V AC SELV / 240V 50Hz GU10 Mains Voltage.
- CE Approved.

Installation

- Select a suitable mounting location to install luminaire. Care should be given to ensure adequate ventilation for luminaire (and transformer if installing Low Voltage), as this luminaire operates at high temperatures. Check that sufficient depth is available in the ceiling void and there is adequate free air ventilation around the luminaire (and transformer if installed).
- Ensure luminaire is not located in close proximity to ceiling joists, electrical cables or pipe work. Luminaires should not be installed where the illuminated surface is within 0.5m from the front of the fitting.
- Cut a 76mm diameter round hole in the ceiling material. This luminaire is suitable for installation in ceiling material thickness from 10mm to 30mm.
- To fix the stirrup bracket and terminal to the luminaire body, loosen the screws on the luminaire, slide the bracket into position and tighten the fixing screws.
- GU10 Mains (240V)
- Terminate the 240V supply cable max 2 x 1.5mm loop in – loop out, ensuring the correct polarity is observed. THIS LUMINAIRE IS CLASS I CONSTRUCTION WHEN USED WITH GU10 MAINS LAMPS, AND MUST BE EARTHED.
- LOW VOLTAGE (12V)
- Open the terminal cover, remove the GU10 Lampholder and replace it with the Low Voltage lampholder provided.
- Connect the luminaire to a suitable SELV Low Voltage transformer (Ansell part code ATX60/AUTO) (complying with EN 60742). Do not extend the Low Voltage cables if supplied with the transformer. If the transformer has not been provided with 12V secondary output leads, please ensure that a suitably rated cable is used between luminaire and transformer. Ensure the length of this cable is kept to a minimum (recommended 600mm).
- Insert the transformer through the ceiling aperture, ensuring it is not in contact with insulation materials. Place the transformer as far as possible from the luminaire to prevent heat from the lamp possibly affecting the thermal protection.
- Offer the luminaire through the aperture, bend back the springs and push gently into the ceiling. Do not install the luminaire onto new plaster or wet paint.
- Important Installation Advice: whilst installation materials can be loosely placed on / adjacent to i-Cage downlight. It is recommended to allow a void of space around the downlight. The following illustrations, detail recommended best practice for installation.

- Ansell iBox (Ansell part code AIBOX) allows insulation to be used above downlights.
- Remove the Twistlock lamp retaining ring in an anti-clockwise direction. Insert the appropriate lamp type, positioning the lamp into the retaining clip. Fit the lamp ring into the luminaire housing and twist firmly in a clockwise direction to lock the ring into position.
- Ansell recommend the use of recognised branded lamps.
- Restore the power supply and test for correct operation

Important – Lamp Replacement

Lamp cap  GX5.3 / GU10
Maximum Wattage  50W Max.

Note: Suitable for Dichroic or Aluminium Reflector lamps. Ansell Lighting recommends the use of recognised branded lamps.
A - RECOMMENDED BEST PRACTICE
Using iBox (AIBOX) to allow insulation materials to be placed over the i-Cage downlight

B - PERMISSABLE INSTALLATION
Insulation materials loosely placed on / near i-Cage downlight

C - NOT RECOMMENDED
Poor installation practice