

Installation Sheet

KSRFRD336-KSRFRD337



Mini Fire Rated QR Select 3CCT



5W LED Downlight

Read these instructions before commencing installation. Please give these instructions to the owner/occupier after installation to retain for future reference/maintenance.

Part "B" Compliant

IP20
IP65

UK
CA

CE

0.3m

240V~50Hz 5W

These fittings are Class II and does not require an earth.

Important Information

It is recommended that these luminaires are installed and fitted by a qualified electrician ensuring the installation complies with current wiring regulations & local building control. These products are designed for connection to a 240V~50Hz supply. Any faulty, broken or damaged luminaires should be replaced immediately. KSR will not accept responsibility for any claims arising from a poor installation. Please Note: The limited warranty shall be deemed null and void in the following circumstances: Failure by the installer, end user or any third party to exercise caution to protect any covered product or part from outside damage, adverse temperature (normal operating ambient temperature 0 ~ +35°C), humidity conditions, fluctuations in the electrical system or physical abuse as well as failure related to workmanship in the installation of the products or parts.

Important User Advice

Always switch off mains supply before servicing.

This luminaire is suitable for indoor use only and should not be fitted to damp or wet surfaces such as freshly plastered or painted ceilings. Do not use Megger or similar high voltage instruments. Due to the fact this luminaire contains electronic components that maybe damaged by high test voltages, they must be disconnected from the circuit before testing. To prevent damage to the driver, do not mix with conventional magnetic ballasts on the same electrical circuit. At the end of life the luminaire is classed as WEEE under directive 2014/30/EU and should be disposed of in accordance with local legislation.

Installation Procedure

KSR recommends that a sample hole is cut in some scrap material to familiarise yourself with the installation. Once you are completely satisfied: Locate the area's suitable to install these luminaires. Cut a 42mm round hole in the ceiling and ensure sufficient ceiling void without infringing on joists, water pipes or electrical cables. Connect the mains supply to the connector block Blue - Neutral, Brown - Live (Earth terminal is for earth continuation only). The terminal allows mains loop in/loop out connections (Fig.1), if not looping through either of the L & N inputs can be used. Install the terminal cover/strain relief by pushing down until it grips the outer cable insulation. Select the preferred colour temperature by sliding the selector switch to either Very Warm White (2700K), Warm White (3000K) or Neutral White (4000K) Never switch the LED colour with the luminaire powered on as this will damage the luminaire. Press springs back and place luminaire body into aperture. If you are installing the **KSRFRD338 Black bezel**, remove the standard white rim by rotating the rim (Anti-Clockwise) off of the main fitting, Attach new rim by lining up the 3 small lugs and rotate clockwise into place.

**Please note: Depending on the amount of Qr fittings on a circuit you may have to upgrade the breaker due to the way electronic LED drivers start up with higher inrush currents compared to halogen lighting.*

Installer Note:

To ensure a good connection strip back a minimum of 10mm of insulation, push the cable firmly into the connector and close the lever.

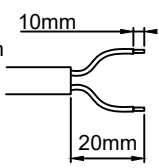
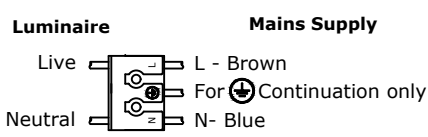
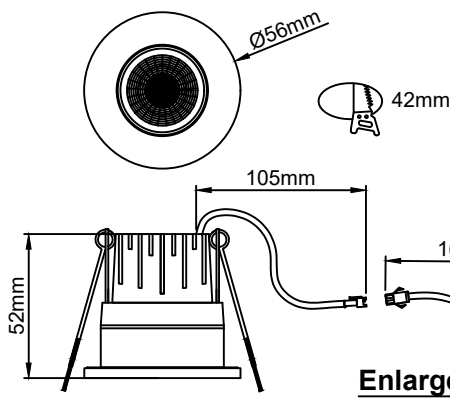


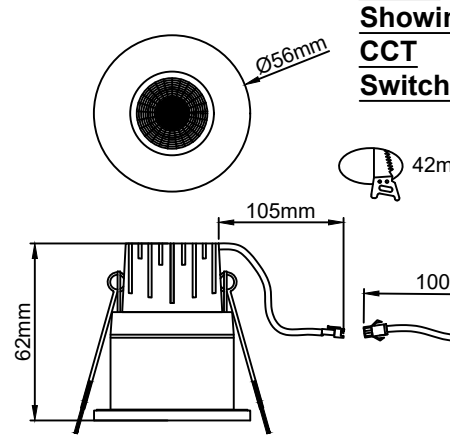
Fig.1



KSRFRD336



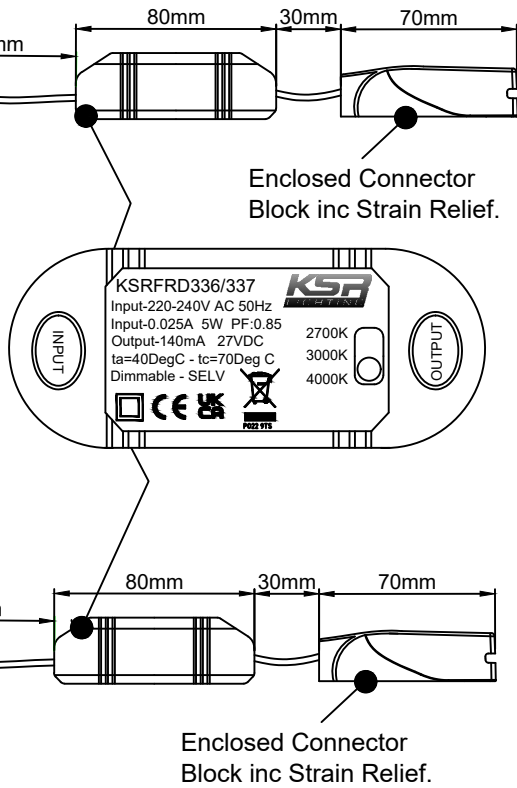
KSRFRD337



Available finish: White (Optional Black Bezel - KSRFRD338)

WARNING:
Do not change the CCT of this downlight with the product switched on, all changes must be done with the power off.

Enlarged View of in-line LED Driver Showing CCT Switch.



Product Code	Rim Size	Cut out	Void Depth Required	Beam Angle	Dimmable	CCT	Lumen output
							5W
KSRFRD336	56mm	42mm	80mm	60°	Yes	2700K	355lm
						3000K	395lm
						4000K	490lm
KSRFRD337	56mm	42mm	80mm	50°	Yes	2700K	175lm
						3000K	200lm
						4000K	265lm

This product contains a light source of energy efficiency class G
The Control Gear in this product can be replaced by a professional.