

Installation Sheet

KSRFRD383

Qr Quad CCT Fire Rated



Multi Wattage Downlight

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

IP65 240V~50Hz 5W, 7W & 9W

Important Information

It is recommended that these luminaires are installed and fitted by a qualified electrician ensuring the installation complies with current IEE 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 -10 ~ +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 safely isolate the mains supply before installing/servicing.

This luminaire 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 without first switching the isolation switch on the driver. 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 72mm round hole in the ceiling and ensure sufficient ceiling void (Fig.1) without infringing on joists, water pipes or electrical cables.

Connect the mains supply to the LED Driver (Blue - Neutral, Brown - Live). Earth terminals are provided for earth continuity only. Press into place the strain relief end cap by pushing down until it grips the outer cable insulation. The LED driver allows for mains loop in/loop out connections, if not looping through either of the L, E & N inputs can be used.

(Fig.2) Select the preferred colour temperature by sliding the selector switch located on the head to either 2700K, 3000K, 4000K or 6000K. This must be done before the power is switched on to the luminaire, changing the CCT while the fitting is illuminated may damage the LED COB. Secondly select the preferred power output on located on the LED driver 5W, 7W and 9W

Press springs back and push luminaire body into aperture.

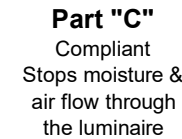
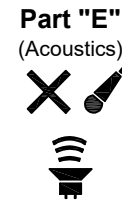
If you are installing one of the KSR detachable rims remove the standard white rim by pulling the rim off of the main fitting, do not twist the trim. Attach new trim by pushing and snapping it into place.

This downlight can be loosely covered with mineral wool insulation, however the driver should remain in free air space to avoid overheating

(Fig.3) This downlight is designed with a Isolator switch (Patent Pending) to allow for High voltage insulation resistance testing, without having to remove the luminaire/driver from the circuit.

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

10.02.2021MAC



Available Rim Finishes:

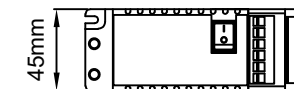
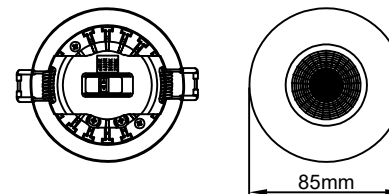
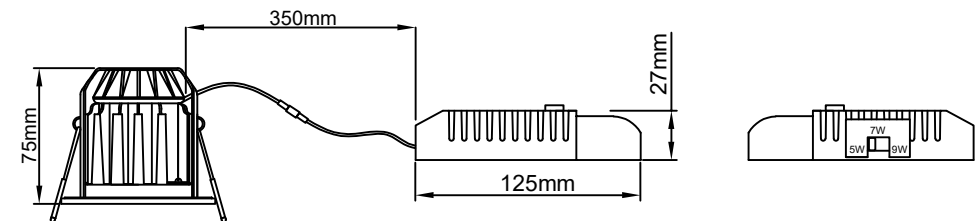
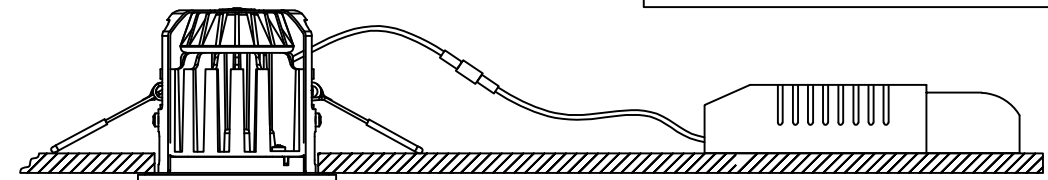
White, Chrome,
Satin Chrome, Brass,
Antique Brass, Copper,
Black & Stainless Steel

WARNING:

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

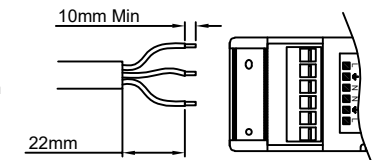
Fig. 1

90mm min. void depth



Installer Note:

To ensure a good connection strip back a minimum of 10mm insulation and push the cable firmly into the terminal block.



ØRim Size	ØCut out	Void Depth Req'd	Max per circuit
85mm	72mm	90mm	20

This product contains a light source of energy efficiency class F



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IP65 0.3m 240V~50Hz 5W, 7W & 9W

Part "B"
 BS476
Part 21

Part "E"
(Acoustics)

Part "C"
Compliant
Stops moisture &
air flow through
the luminaire

Available Rim Finishes:

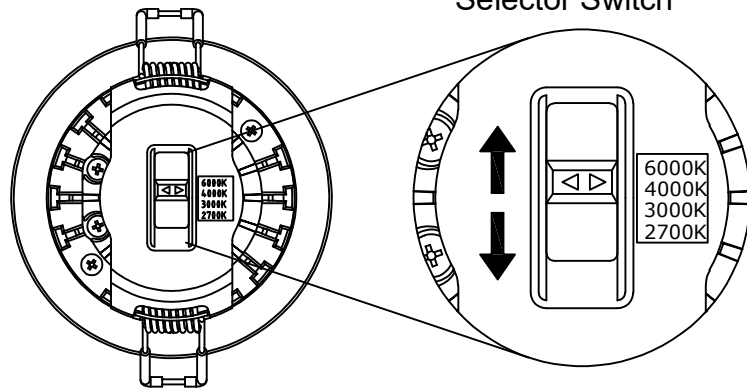
White, Chrome,
Satin Chrome, Brass,
Antique Brass, Copper,
Black & Stainless Steel

WARNING:

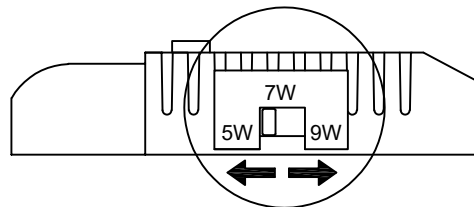
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Fig. 2

Colour Temperature
Selector Switch



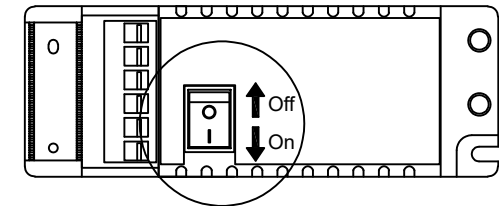
Drive Current
Selector Switch



Rim Size	Cut out	Void Depth Required	Beam Angle	Dimmable	CCT	Lumen output per head		
						5W	7W	9W
85mm	72mm	90mm	54°	Yes	2700K	450lm	620lm	725lm
					3000K	465lm	630lm	735lm
					4000K	485lm	675lm	780lm
					6000K	465lm	630lm	725lm

Fig. 3

Isolator Switch
Isolates device
from Circuit



Please Note: The isolation switch needs to be in the On (I) position during normal operation



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