

Available Rim Finishes: White, Chrome, Satin Chrome, Brass  
Antique Brass, Black or Stainless Steel

IP65 240V 8.8W

## Important Information

It is recommended that luminaires are installed by a qualified electrician ensuring the installation complies to current IEE wiring regulations & local building control. These products are designed for connection to a 230-240V mains supply. Any broken or damaged parts should be replaced as soon as possible. KSR will not accept responsibility for any claims arising from a poor installation.

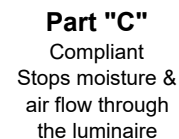
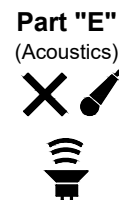
## Important User Advice

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 walls.

## 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 without infringing on joists, water pipes or electrical cables.  
Connect the mains supply to the emergency pack/LED Driver as below. Earth terminals are provided for earth continuity only.  
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.  
Press springs back and push luminaire body into aperture.  
This luminaire is suitable for installations where vapor permeable membranes are installed. Fit this product as per illustration shown in Fig.1  
If you are installing one of the KSR detachable rims remove the standard white rim by pulling the trim off of the main fitting, do not twist the trim and attach new trim by pushing and snapping it into place. Ensure there is adequate free air ventilation around the driver and emergency control pack. the head unit can be covered in mineral wool insulation.  
Turn on the mains supply to test the luminaire.  
An initial 24 hour change period will be required prior to conducting any emergency lighting tests, thereafter periodic testing should be carried out in line with current regulations.

\*Please note: Depending on the amount of Qr10 fittings 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. If dimming see the recommended dimmer list at [www.ksrlighting.com](http://www.ksrlighting.com) providing information on the latest compatible dimmers, any other questions please call our sales office on 023 92 674343.

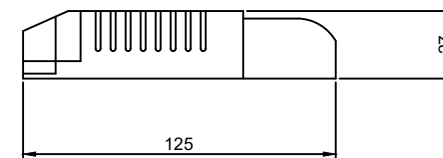
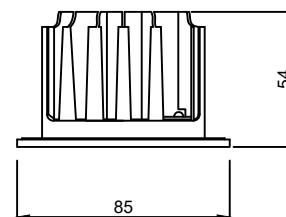
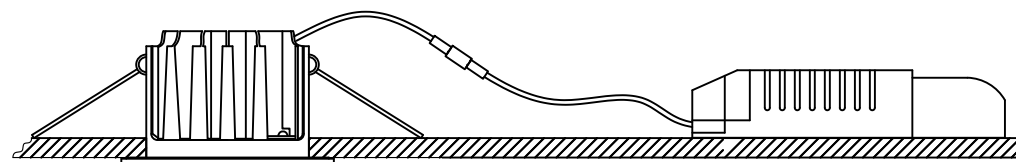


**Luminaire suitable for all timber joist ceiling variants up to 90 minutes.**

90 Minute fire rating  
Approved to:- **BS476 Part 21**  
Building Regulations Document B2 determines the ceiling type that is required depending on the type of building under construction. The ceiling types are designed to provide protection to the floor above in the case of fire for a duration as specified by the document. Using KSR's Fire-Rated downlights ensures that this specification is maintained even when downlights are installed in the ceiling.

Fig. 1

90mm min. void depth



	ØRim Size	ØCut out	Void Depth Req'd	LED Wattage/ Colour/Lumens
KSRFRD350EM	85mm	72mm	90mm	8.8W - 3000K (736 lumens)
KSRFRD351EM	85mm	72mm	90mm	8.8W - 4000K (807 lumens)



KSR Lighting Aftersales: 023 92 674343  
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## Installation Particulars For End User

### Commissioning:

Once the luminaire has been installed in line with the manufacturer's recommendations, the battery should be allowed to charge for a minimum period of 24 hours before testing for its rated duration. If it is anticipated that the un-switched supply may be interrupted, it is imperative that the battery is left disconnected and commissioning is delayed until the supply is stable.

If the luminaire has been stored for a number of months, it may be necessary to repeat the charge/discharge process several times to re-condition the battery. After successful commissioning, the battery should be marked with the date of commission.

Routine test and inspection should be performed in accordance with EN50172 or otherwise local legislation. Short discharge periods of around 5 – 10 minutes each month for the purposes of inspection will not adversely affect the batteries and should be considered as a maintenance exercise for the battery.

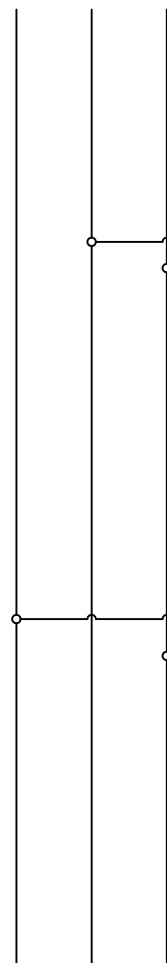
Regular full discharge cycles may adversely affect the design life of the battery.

### Warranty

The LED luminaire comes complete with a 12 month warranty from date of purchase unless otherwise stated. Please note that the emergency packs and batteries come with a 12 month fixed warranty. Should any claim be made against battery failure within the warranty period, full and complete maintenance test reports must be provided.

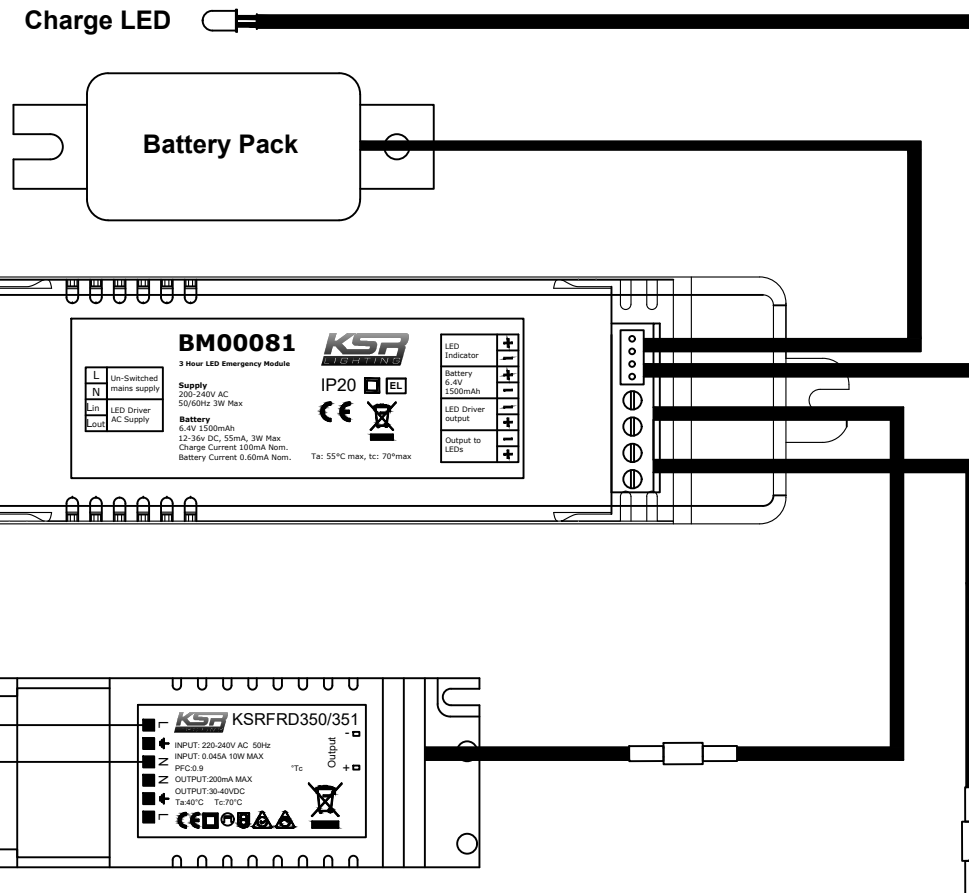
## Mains supply

240v Sw Live  
240v Perm Live  
N



To be visible once installed and luminaire is turned on,  
7mm hole required.

Charge LED



To LED luminaire  
Plug & Play  
Socket



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