

# INSTALLATION INSTRUCTIONS

## FRLEDP Fire Dimmable Downlights

Product Codes: **FRLED5WD-30, FRLED5WD-50, FRLED8WD-30, FRLED8WD-50, FRLEDPBEZC, FRLEDPBEZSC**

### Safety Warning



- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk
- Ensure that the circuit supply is isolated either by the circuit supply fuse being removed or the applicable circuit breaker being turned off before installation or any maintenance.
- Check the total load on the circuit ensuring the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Long-term use and voltage fluctuations can reduce the life span of the fitting.
- If the fitting incorporates control gear, ensure careful sizing to avoid instances of nuisance tripping of the protective device used in the installation.
- Follow the provided installation instructions, using the fixings supplied or recommended.
- Keep out of reach of children.

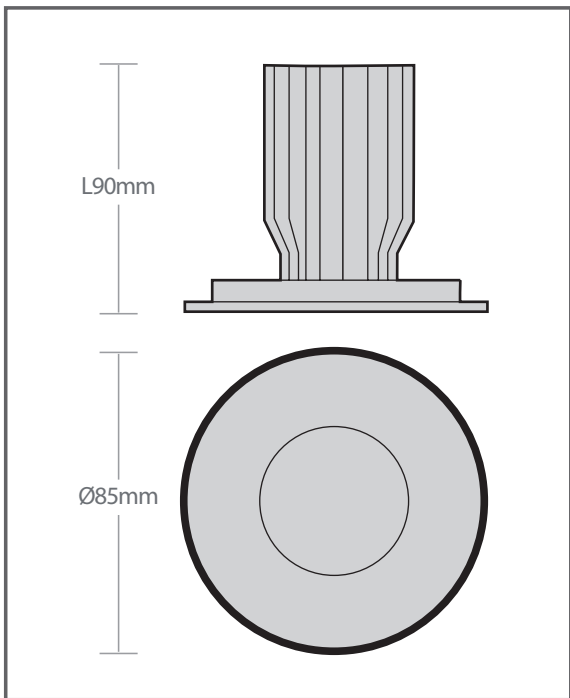


### Specification

#### Box Contents -

1 x Dimmable Fire Rated Downlight  
1x Remote LED Driver (8W Version Only)  
1x Plug and Socket 'Click Style' connectors

<b>Dimensions:</b>	Ø: 85 x L: 90mm Cut Out: Ø: 70mm
<b>Material:</b>	Body: Aluminium Lens: Polycarbonate
<b>Colour Temperature:</b>	3000K / 5000K
<b>CRI:</b>	Ra>80
<b>LED Lifetime:</b>	L70B50 30,000 Hrs
<b>IP Rating:</b>	IP65 (From below ceiling)
<b>Working Temperature:</b>	-20°C to 40°C
<b>Beam Angle:</b>	60°
<b>Power Factor:</b>	0.93
<b>Guarantee:</b>	5 Years

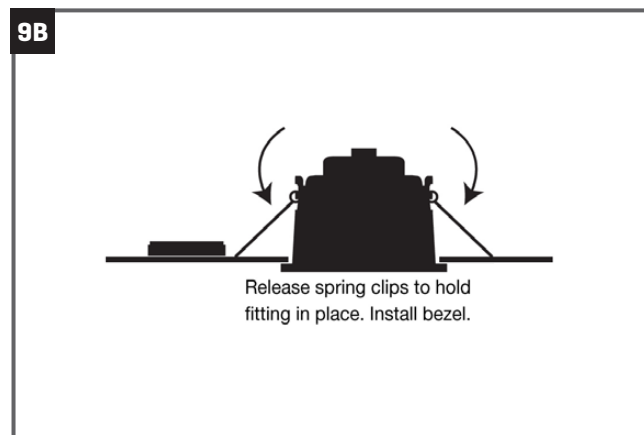
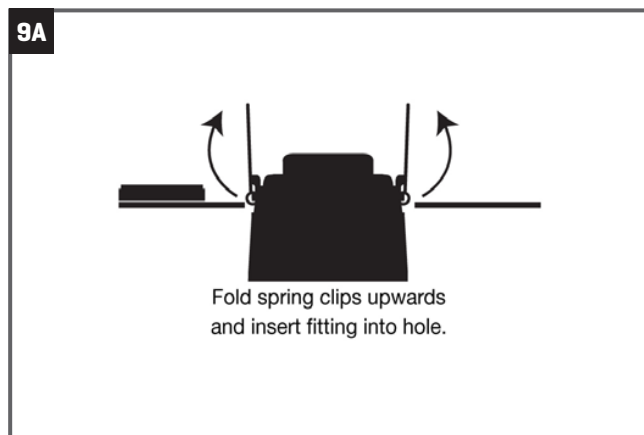


### MAXIMUM FITTINGS PER CIRCUIT

Automatic Circuit Breaker Type:	B6	B10	B13	B16	B20	C10	C13	C16	C20
<b>Rated Current:</b>	6A	10A	13A	16A	20A	10A	13A	16A	20A
<b>Cable (mm):</b>	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5
<b>FRLEDP5WD-30:</b>	80	130	170	210	265	130	170	210	265
<b>FRLEDP5WD-50:</b>	80	130	170	210	265	130	170	210	265
<b>FRLEDP8WD-30:</b>	55	90	120	145	180	90	120	145	180
<b>FRLEDP8WD-50:</b>	55	90	120	145	180	90	120	145	180

## Installation Instructions

1. Check that the total load on the circuit, including when this downlight is fitted, does not exceed the rating of the circuit cable fuse or circuit breaker.
2. Cut a suitable hole in the ceiling as per the cut-out details, ensuring that it does not interfere with any electrical cables, water/gas pipes or ceiling joists.
3. Carefully fold back any insulation material to allow free air circulation.
4. Under no circumstances must this fitting and driver be covered with insulating material.
5. Open the terminal cover and connect the mains cable into the terminal block, ensuring correct colour coding is observed and that if stranded cable is used that all strands are terminated. Note: L= Brown, N= Blue.
6. Push the hinged terminal cover down to click shut.
7. Connect the driver to the fitting using the male / female connectors and place the driver through the cut hole (8W VERSION ONLY).
8. Fit the downlight into the hole (see Figure 9A) in the ceiling with the two spring clips supplied. (see Figure (9B)).



## Dimming & Additional Information

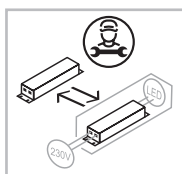
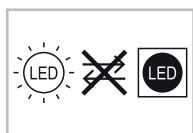
- The fitting comes as standard with a dimmable LED driver that allows the user to regulate the light output to best suit their lighting needs.
- The driver can be used with most trailing and leading edge dimmers. Please examine carefully the manufacturer's guide on the dimmer switch you intend to use and check compatibility.
- In some cases you may need to change or upgrade your dimmer switch if the unit flickers or does not dim smoothly.
- Fire rated for 30,60 & 90 minutes to BS 476-20:1987; BS 476-21:1987
- Emergency conversions available. Please contact Red Arrow for further details

## Guarantee

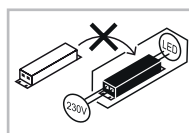
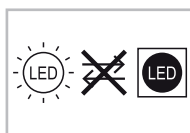
This product is guaranteed for a period of 5 years from the date of purchase. The guarantee is invalid in the case of improper use, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations (BS7671). The guarantee is also invalidated if the luminaire has been insulation tested. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. We do not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.

## Maintenance

- This fitting will require routine cleaning if used in adverse (dust, paint, welding, oils etc) environments. Do not use solvents, aggressive detergents or abrasives.
- The light source & driver in this luminaire can not be replaced (except driver on 8W version). The product must be replaced at the end of life.



FRLEDP8WD-30 / FRLEDP8WD-50



FRLEDP5WD-30 / FRLEDP5WD-50

- When this fitting comes to the end of its life or you choose to replace it, please do not dispose of it with your normal waste. Please recycle where the facilities exist, check with your local authority for suitable options.

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