



Dual

Fire rated downlight for halogen LED and compact fluorescent lamps.

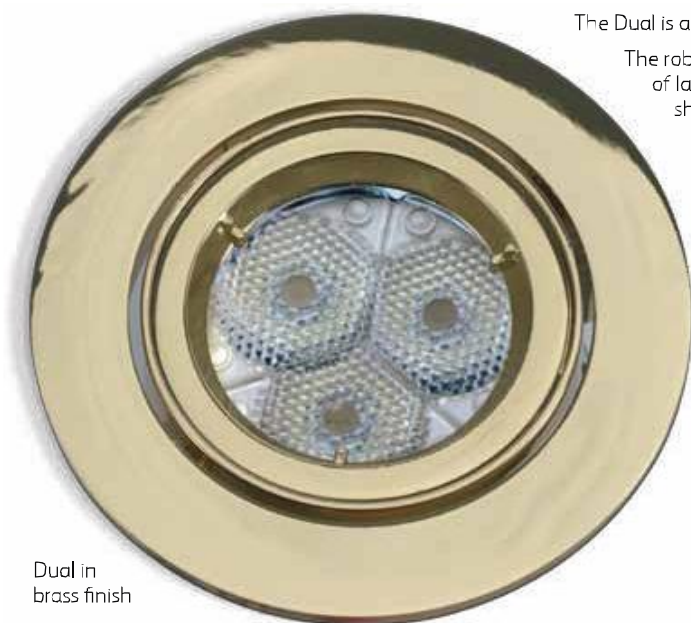
The Dual is a comprehensive range of fire rated downlights.

The robust diecast body comes with a twist and lock retaining bezel for ease of lamp removal. There is a wide range of options including tiltable, IP65 showerlights, and can be used with MR16, GU10, LED, 11W fluorescent and of course the Dart LED lamp. All of the lamps can be used for emergency options (see opposite page).

The luminaires come with a fixed and shrouded 3 way terminal block.

Dual downlights are fire tested and approved to a 90 minute rating to BS476 Part2/1987 and acoustically tested and approved to BSEN150 140-3 1995 and BSEN150 140-6 1998 respectively.

The use of Dual fire rated downlights removes the need for firehoods, and ensures compliance with building regulations.



Dual in brass finish



Dual in chrome finish



Dual in satin-chrome finish

Options Suffix:

- /DLED** Extra Low Voltage 3x1W LED Lamp
- /MR16** Supply with MR16 Lampholder
- /50G** 50W GU10 Aluminium Reflector Lamp
- /50M** 50W MR16 Aluminium Reflector Lamp
- /5W** 5W 12V MR16 LED Lamp
- /TX** 60VA Electronic Transformer

The Dual range of luminaires, when used with 50W dichroic lamps, must use aluminium reflector lamps. We advise that only branded reflector lamps are used with the Dual which project the heat forward reducing heat build up within the luminaire, and maintaining the 90 minute fire rating. The guarantee will be invalidated if these types of lamps are not used.



Dual in white finish

Luminaires

| Cat No. | Mode/Lamp | Kg |
|--------------|---|------|
| DU/WH | Downlight White GU10 | 0.38 |
| DU/BR | Downlight Brass GU10 | 0.38 |
| DU/CH | Downlight Chrome GU10 | 0.38 |
| DU/SC | Downlight Satin Chrome GU10 | 0.38 |
| DU/TD/WH | Tiltable Downlight White GU10 | 0.40 |
| DU/TD/BR | Tiltable Downlight Brass GU10 | 0.40 |
| DU/TD/CH | Tiltable Downlight Chrome GU10 | 0.40 |
| DU/TD/SC | Tiltable Downlight Satin Chrome GU10 | 0.40 |
| DU/SL/WH | IP65 Shower Light White GU10 (35W Lamp only) | 0.43 |
| DU/SL/BR | IP65 Shower Light Brass GU10 (35W Lamp only) | 0.43 |
| DU/SL/CH | IP65 Shower Light Chrome GU10 (35W Lamp only) | 0.43 |
| DU/SL/SC | IP65 Shower Light Satin Chrome GU10 (35W Lamp only) | 0.43 |
| DU/11W/WH | 11W CFL GU10 Downlight White | 0.42 |
| DU/11W/BR | 11W CFL GU10 Downlight Brass | 0.42 |
| DU/11W/CH | 11W CFL GU10 Downlight Chrome | 0.42 |
| DU/11W/SC | 11W CFL GU10 Downlight Satin Chrome | 0.42 |
| DU/11W/SL/WH | IP65 11W CFL Shower Light White | 0.43 |
| DU/11W/SL/BR | IP65 11W CFL Shower Light Brass | 0.43 |
| DU/11W/SL/CH | IP65 11W CFL Shower Light Chrome | 0.43 |
| DU/11W/SL/SC | IP65 11W CFL Shower Light Satin Chrome | 0.43 |

SUPPLIED LESS LAMP

Dimensions: Downlight \varnothing 115mm (125mm for 11W) x 92mm Cut out 74mm
Tilted Downlight \varnothing 115mm (125mm 11W) x 105mm Cut out 85mm
Shower Light \varnothing 135mm (145mm 11W) x 87mm Cut out 74mm

IP20/65



Dual Emergency Lighting Options

Low Voltage Lighting Train for 12V MR16 lamps up to 50W

Orbik's low voltage lighting train enables 12 volt Tungsten Halogen lamps to operate in the event of a power failure. The ability to feed the lighting train through ceiling aperture cut-outs of 60mm ensures easy installation.

The low voltage lighting train features high quality, high temperature Nickel Cadmium battery cells of 1 hour duration and Nickel Metal Hydride for 3 hour duration, and a silicone coated woven glass fibre sleeving ensure's the product complies with to BS/EN61347-2-7 and EN60598.2.22. The lighting train also allows dimming of the Halogen lamps if required.

Dimensions (millimetres)

Overall Length: 740mm (1 hour) and 800mm (3 hour)
Lighting Train can fit through Ceiling Cut-Outs of 60mm or above



Tungsten halogen lamp

| Cat No. | Mode | Lamp | Duration (1x20W) | Duration (1x50W) | Ballast Lumen Factor |
|-------------|----------------------------------|------------|------------------|------------------|----------------------|
| R960/50/NM1 | Non-Maintained | 50/20W 12V | 3 Hours | 1 Hour | 50W - 10% / 20W - 6% |
| R960/50/M1 | Maintained (with transformer) | 50/20W 12V | 3 Hours | 1 Hour | 50W - 10% / 20W - 6% |
| R961/50/M1 | Maintained (without transformer) | 50/20W 12V | 3 Hours | 1 Hour | 50W - 10% / 20W - 6% |
| R962/50/NM3 | Non-Maintained | 50/20W 12V | 3 Hours | 3 Hour | 50W - 10% / 20W - 6% |
| R962/50/M3 | Maintained (with transformer) | 50/20W 12V | 3 Hours | 3 Hour | 50W - 10% / 20W - 6% |
| R963/50/M3 | Maintained (without transformer) | 50/20W 12V | 3 Hours | 3 Hour | 50W - 10% / 20W - 6% |

NEW LED Self Testing Low Voltage Lighting Train for 12V MR16 LED Lamps up to 6W 3 hours

Our low voltage LED lighting train enables 12 volt MR16 LED lamps to operate in the event of a power failure. The ability to feed the lighting train through ceiling aperture cut-outs of 60mm ensures easy installation.

The lighting train is available in Maintained mode (but can be used non-maintained), and is supplied with an integral driver which operates the lamp in mains healthy and in the event of a power failure.

The low voltage lighting train features high quality, high temperature Nickel Metal Hydride battery cells and a silicone coated woven glass fibre sleeving ensuring the product is manufactured to comply with EN61347.2.13 and EN60598.2.22.

Dimensions (millimetres)

Overall Length: 740mm
Lighting Train can fit through Ceiling Cut-Outs of 60mm or above.



LED lamp

| Cat No. | Mode | Lamp | Duration | Ballast Lumen Factor |
|-------------|---|------------|----------|----------------------|
| RL5012/6/M3 | Maintained (with integral mains driver) | 1.5/6W 12V | 3 Hours | 3 and 6W 100% |

For emergency options for 11W CFL and GU10 see our Mini-Sine on page 88