

LED DOWNLIGHTS



DOWNLIGHT SERIES

FibreLED's recessed downlight range offer up to 90% consumption savings on traditional luminaires with zero maintenance.

Easily installed and retrofitted they are suitable for almost any commercial, retail environment offering warm white colour temperature and outstanding performance in terms of lux level. The FibreLED range can offer a low consumption LED alternative to almost any traditional halogen, metal halide and compact fluorescent downlighter with a fraction of the running costs, no lamp replacement issues and no compromise on brightness.

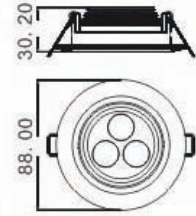
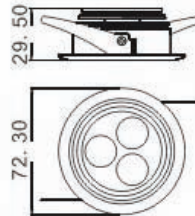
Features to all FibreLED Downlights

- Using high output CREE LED Chips
- Available in Silver or White Body
- Aluminium Housing c/w Thermal Management System
- External 350mA/750mA Drives
- Full conformity to CE/RoHS Standards
- Dimmable
- No UV/RF Radiation
- CRI ≥ 85

DOWNLIGHT SERIES

FLDL-LED3

- **Input Voltage:** 100-240VAC 50-60Hz
- **Output Current:** 350mA
- **Light Source:** CREE LED Chip
- **Power:** 3x1W
- **Colour:** WW: 2700-3500K, CW: 6000-7000K
- **Lumens Output:** 230cw 180ww
- **Beam Angle:** 30° 45° 60°
- **Operation Temperature:** -20° to +50°
- **Fixture Material:** Aluminium
- **Life Span:** 50000Hours
- **Surface Colour:** Silver & Matt White
- **Housing:** Adjustable Gimble or Fixed Lamp Housing

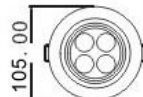
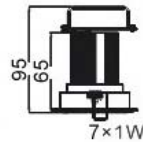


Ø62mm

Ø72mm

Shallow Depth - Ideal for Cabinet Display Lighting

- **Input Voltage:** 100-240VAC 50-60Hz
- **Output Current:** 350mA
- **Light Source:** CREE LED Chip
- **Power:** 7x1W
- **Colour:** WW: 2700-3500K, CW: 6000-7000K
- **Lumens Output:** 475ww, 600cw
- **Beam Angle:** 30° 45° 60°
- **Operation Temperature:** -20° to +50°
- **Fixture Material:** Aluminium
- **Life Span:** 50000Hours
- **Surface Colour:** Silver & Matt White
- **Housing:** Adjustable Gimble Lamp Housing

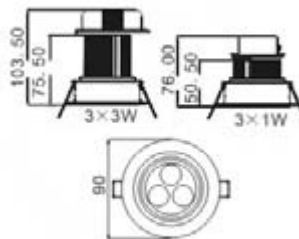


Ø95mm



FLDL-LED7

- **Input Voltage:** 100-240VAC 50-60Hz
- **Output Current:** 350-750mA
- **Light Source:** CREE LED Chip
- **Power:** 3x3W
- **Colour:** WW: 2700-3500K, CW: 6000-7000K
- **Lumens Output:** 495
- **Beam Angle:** 30° 45° 60°
- **Operation Temperature:** -20° to +50°
- **Fixture Material:** Aluminium
- **Life Span:** 50000Hours
- **Surface Colour:** Silver & Matt White
- **Housing:** Adjustable Gimble Lamp Housing



● PC Cover Ø80mm



FLDL-LED9

Luminaires all available in white or brushed silver body type

FLDL-LED12



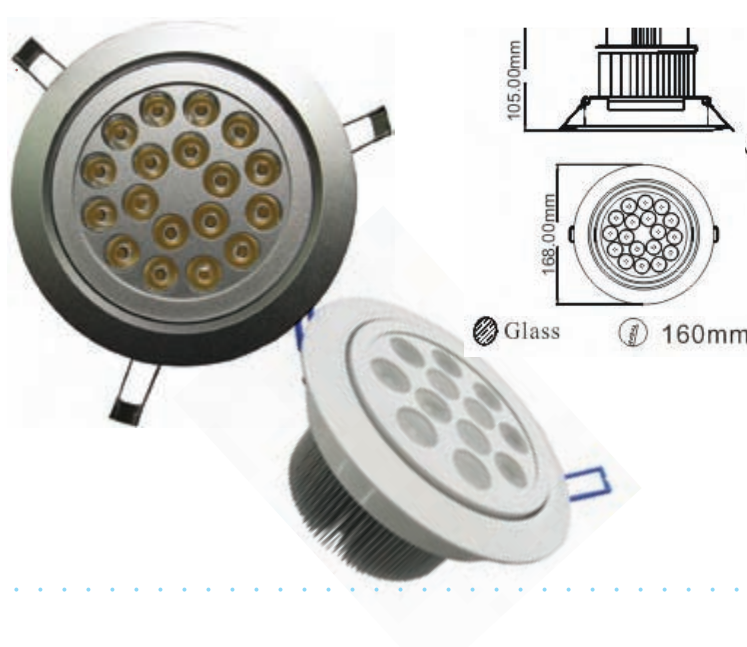
- **Input Voltage:** 100-240VAC 50-60Hz
- **Output Current:** 350mA/750mA
- **Light Source:** CREE LED Chip
- **Power:** 12x1W
- **Colour:** WW: 2700-5000K, CW: 6000-7000K
- **Lumens Output:** 1140 lm
- **Beam Angle:** 30° 45° 60°
- **Operation Temperature:** -20° to +40° C
- **Fixture Material:** Aluminium
- **Life Span:** 50000Hours
- **Surface Colour:** Silver & Matt White
- **Housing:** Adjustable Gimble Lamp Housing

FLDL-LED15



- **Input Voltage:** 100-240VAC 50-60Hz
- **Output Current:** 350mA/750mA
- **Light Source:** CREE LED Chip
- **Power:** 15x1W
- **Colour:** WW: 2700-5000K, CW: 6000-7000K
- **Lumens Output:** 1425 lm
- **Beam Angle:** 30° 45° 60°
- **Operation Temperature:** -20° to +40° C
- **Fixture Material:** Aluminium
- **Life Span:** 50000Hours
- **Surface Colour:** Silver & Matt White
- **Housing:** Adjustable Gimble Lamp Housing

FLDL-LED18



- **Input Voltage:** 100-240VAC 50-60Hz
- **Output Current:** 350mA/750mA
- **Light Source:** CREE LED Chip
- **Power:** 18x1W
- **Colour:** WW: 2700-5000K, CW: 6000-7000K
- **Lumens Output:** 1710 lm
- **Beam Angle:** 30° 45° 60°
- **Operation Temperature:** -20° to +40° C
- **Fixture Material:** Aluminium
- **Life Span:** 50000Hours
- **Surface Colour:** Silver & Matt White
- **Housing:** Adjustable Gimble Lamp Housing



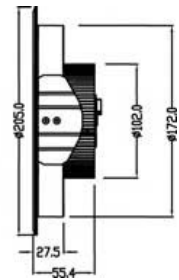
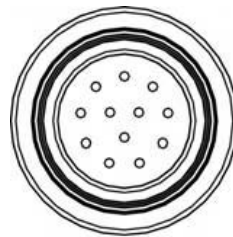
70Watt Metal Halide Downlights Replaced with 18Watt LED
Reduction from 4,500Watts to 970Watts - Swan Centre, Dublin

FLAR111/FLAR180 SPOTLIGHT

FLAR180 - Ceiling Recessed LED Replacement for
PL/Metal Halide
Downlighter fittings within commercial applications
15W LED Complete Fitting

FLAR111 - Ceiling Recessed LED Replacement for
AR111 Halogen fittings
9W LED

FLAR180 SPOTLIGHT

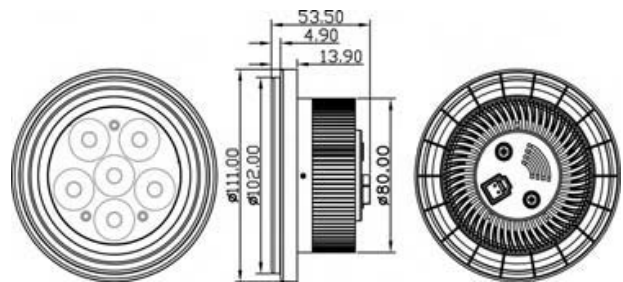


This new fixture is supplied complete with Gimbal fitting, allowing a directional beam. Fitting is supplied complete with it's own power supply.

Specification

Model	Wattage	Voltage	Beam Angle	Average Life	Current	Colours Available	Colours to Order	Temperature	Lumen	Dimensions	Certs
AR111	6x1W LEDs	24V DC	25° Spot 45° Flood	30,000hrs	350mA	Cool White Warm White	RGB Amber	-20° to 60°C	420lm	ø111mm x D 53.5mm	CE and RoHS
AR180	12x1W LEDs	36V DC	25° Spot 45° Flood	30,000hrs	350mA	Cool White Warm White	RGB Amber	-20° to 60°C	880lm	ø205mm x D 62mm	CE and RoHS

FLAR111 SPOTLIGHT



The AR111 LED is a replacement for the halogen AR111 Lamp or a PAR36 incandescent lamp.

EvoLED

The revolutionary new EvoLED comes as a complete Downlighter, IP Rated, Fire Rated, Integral LED Driver brighter than 50Watt Halogen with Lumdat files to prove it and an unbelievable 7year warranty

save
90%

Features

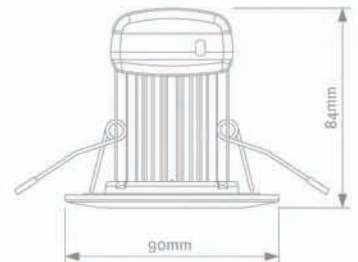
- Integrated LED driver
- Adjustable driver position.
- 3 position retaining clips.
- Meets building regulations.
- Fire-Rated.
- IP65 as standard.
- Various colours and finishes.
- Unique lens design.
- 34° beam angle.
- Mains dimmable.
- Highly accurate colour binning.
- Flexible cut-out size.
- Flying lead fitted.
- Double insulated.
- 425 lumen output.
- 7.9w power consumption.
- Soft start.
- CRI. 80.

Benefits

- Straight to mains connection.
- Flexibility during installation.
- For various ceiling thicknesses.
- Part B, C, E, L, & P compliance.
- For 30, 60 & 90 min ceilings.
- Product fits all applications.
- For all decorative requirements.
- 92% efficient lens.
- Wide spread of light.
- 0-100% dimming control.
- Colour match across all LEDs.
- Fits a 60-70mm cut-out.
- Reduced installation time.
- No earthing required.
- Brighter than an 50w GU10.
- Surpasses energy and efficacy requirements for part L.
- 90% energy saving.



EvoLED™



EvoLED™ NW (4000° kelvin) at a private residence



Patent pending. GB 2462155 and international pat application number pct/GB2009/002653 BS 476: part 21 – Passed

EvoLED™ will save you
252Kg of CO²
emissions per fitting per year

Product codes, varieties & accessories

code	description	dimensions	cut-out
DL/CR/F NW	Chrome IP65 fire-rated downlight. 34° beam LED in natural white	Ø 90 x h 84mm	Ø 60-70mm
DL/SIL/F NW	Silver IP65 fire-rated downlight. 34° beam LED in natural white	Ø 90 x h 84mm	Ø 60-70mm
DL/WH/F NW	White IP65 fire-rated downlight. 34° beam LED in natural white	Ø 90 x h 84mm	Ø 60-70mm
DL/CR/F WW	Chrome IP65 fire-rated downlight. 34° beam LED in warm white	Ø 90 x h 84mm	Ø 60-70mm
DL/SIL/F WW	Silver IP65 fire-rated downlight. 34° beam LED in warm white	Ø 90 x h 84mm	Ø 60-70mm
DL/WH/F WW	White IP65 fire-rated downlight. 34° beam LED in warm white	Ø 90 x h 84mm	Ø 60-70mm
DL/CR/F/NW/DIM	Chrome IP65 fire-rated downlight. 34° beam LED, natural white, dimming	Ø 90 x h 84mm	Ø 60-70mm
DL/SIL/F/NW/DIM	Silver IP65 fire-rated downlight. 34° beam LED, natural white, dimming	Ø 90 x h 84mm	Ø 60-70mm
DL/WH/F/NW/DIM	White IP65 fire-rated downlight. 34° beam LED, natural white, dimming	Ø 90 x h 84mm	Ø 60-70mm
DL/CR/F/WW/DIM	Chrome IP65 fire-rated downlight. 34° beam LED, warm white, dimming	Ø 90 x h 84mm	Ø 60-70mm
DL/SIL/F/WW/DIM	Silver IP65 fire-rated downlight. 34° beam LED, warm white, dimming	Ø 90 x h 84mm	Ø 60-70mm
DL/WH/F/WW/DIM	White IP65 fire-rated downlight. 34° beam LED, warm white, dimming	Ø 90 x h 84mm	Ø 60-70mm
DL/EMERGENCY PACK	Maintained/Non maintained through hole emergency pack. 3 hour	Ø 60 x l 500mm	Ø 60mm+
DL/CONVERT	Hole conversion plate for extended retrofitting	Ø 170 x h 27mm	Ø 60-150mm

NB. WW refers to Warm White (3000° kelvin). NW refers to Natural White (4000° kelvin). /DIM. Dimmable with leading and trailing edge.

DL/WH/F NW - DL/WH/F NW/DIM



DL/CR/F NW - DL/CR/F NW/DIM



DL/SIL/F NW - DL/SIL/F NW/DIM



DL/EMERGENCY PACK



DL/CONVERT

The DL/EMERGENCY PACK is designed to be used in conjunction with the EvoLED™. When in emergency mode, the pack will power the EvoLED™ at 150mA, providing approximately 1/3 of the light output when compared to normal running of the EvoLED™.

- * Can be used in conjunction with other light fittings using between 1-6 3 high power LEDs
- * Will provide a minimum of 3 hours of emergency lighting.
- * Has a Green indicator light indicates charging of the batteries.

Hole converter plate – The power of the EvoLED™ allows retrofit into locations where larger downlights were previously installed. To aid installation, Halers Lighting has designed a hole converter plate, allowing the EvoLED™ to be placed into ceiling holes up to 150mm in diameter.

EvoLED™ sold separately.

RevoLED

The revolutionary new RevoLED comes as a complete Downlighter, integral LED driver with higher output than a traditional PL Fluorescent Downlight for 32Watts. 7year Warranty

save
60%

Features

- LED driver included.
- 100% recyclable.
- Flexible retaining clips.
- Meets building regulations.
- Compatible with building control systems.
- Shallow recess.
- 50,000 hour life (approx.)
- 60° beam angle.
- Highly accurate colour binning.
- Flexible cut-out size.
- 1725 lumen output.
- 32w power consumption.
- 2 wire, 3 clip installation.
- 7 year warranty
- Maintained emergency version available

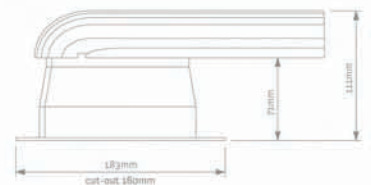
Benefits

- Straight to mains connection.
- Weee free product.
- For various ceiling thicknesses.
- Parts L1 & L2 compliance.
- Flexibility with other energy saving systems.
- Use in tight ceiling voids.
- Save time/money on maintenance.
- Wide spread of light.
- Colour match across all LEDs.
- Fits a 160-170mm cut-out.
- Brighter than 2 x 26w low glare luminaires
- Surpasses energy and efficacy requirements for part L.
- Reduced installation time.
- Fit & forget confidence.



RevoLED™

This innovative high power LED downlight is set to revolutionise the way ambient lighting is specified and offers a truly superior alternative to ordinary compact fluorescent luminaire. Unparalleled optical performance coupled with energy savings of up to 60% (compared with traditional CFL variants) and Luminaire efficacy figures of 56lm per circuit Watt. UK Building Regs Parts L1 and L2 compliant. The fitting is constructed from the highest quality materials including a distinctive pressure die-cast aluminium heat-sink that offers optimum thermal management for the state-of-the-art LEDs, and a super pure aluminium reflector (UGR19). All components are 100% recyclable.



RevoLED NW (4000° kelvin) in offices



RevoLED NW (4000° kelvin) in offices



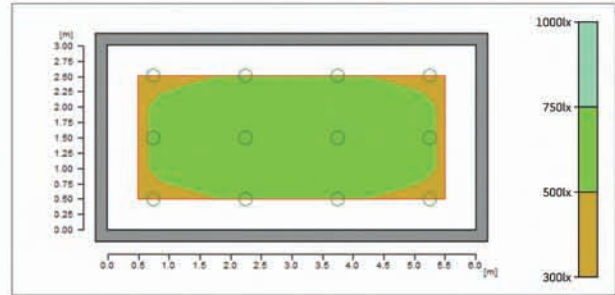
EvoLED™ will save you
252Kg of CO²
 emissions per fitting per year

RevoLED photometry

Relux. Standard CFL



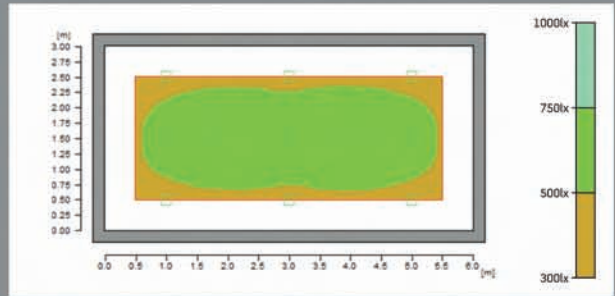
Isolines. Standard CFL



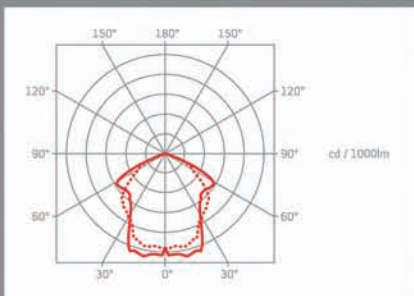
Relux. RevoLED



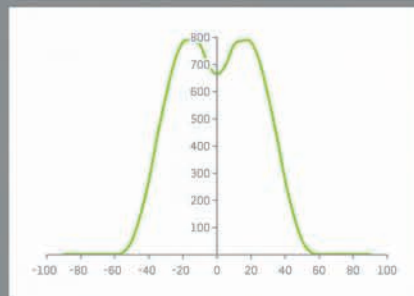
Isolines. RevoLED



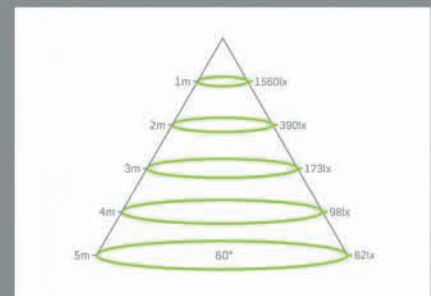
Polar Curve



Candelas



Cone



It has never been as important to prove how well a product will perform than it is today. Halers Lighting prides itself on the output of the RevoLED. As an example the previous figures show the effect on the spread of light when replacing compact fluorescent lamps directly with the RevoLED. The environment has now improved.

Product codes

code	description	dimensions
DL/02/WH/F/NW	IP20, High power low glare fixed downlight, 4000°k (kelvin)	Ø 183 x h 111mm
DL/02/WH/F/NW/E/PACK	DL/02/WH/F/NW with pre-wired 3 hour emergency pack included	Ø 183 x h 111mm