

WARNING: DO NOT USE NORMAL LOW VOLTAGE TRANSFORMERS WITH LEDS.

All LED fittings are tested before dispatch. It is not necessary to check them on site. Do not power up until fittings are wired correctly.

INSTRUCTION LEAFLET





LD51

Surface Mounted Adjustable Spotlight

This product should be installed by a qualified electrician in accordance with all current, local legislation. For the UK, the current edition of the IEE Wiring Regulations and European Standard IEC 60364.

SPECIFICATION

LED surface mounted luminaires are class III  for Safety Extra Low Voltage supply  **350mA, 500mA or 700mA** constant current supply.

Suitable for mounting on normally flammable surfaces. 

This fitting is **IP67** rated.

Lumen Maintenance: 50,000 hours L70 at Max Ambient of 35°C.

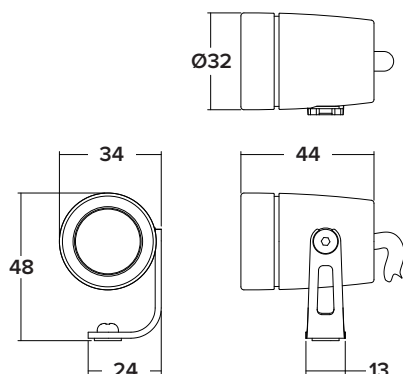
LD51 is available in various power outputs options	
Product & LED output code	Power Output
LD51 - 350	350mA 1.2W
LD51 - 500	500mA 1.7W
LD51 - 700	700mA 2.4W

INSTALLATION

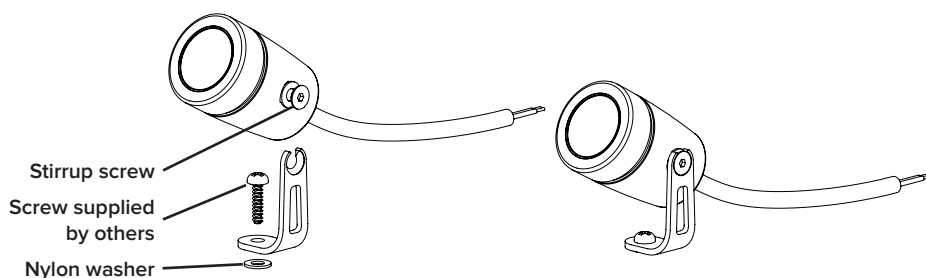
1. Loosen stirrup screw with provided Allen key and remove the luminaire head.
2. Mount stirrup to surface using an appropriate screw (Screw not supplied) and the supplied nylon washer.
3. Re-attach the head, focus in desired direction and tighten stirrup screw.
4. Wire the luminaire to a specified driver.

NOTE: Connections in wet environments. Make IP68 connection to stop water travelling up the cables into the fittings! Refer to IP connection sheet for further details.

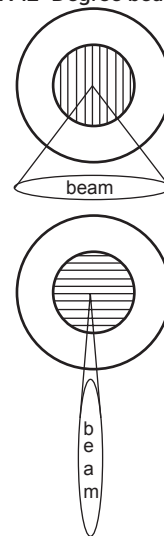
DIMENSIONS



Fitting LD51 on to the standard Stirrup



Note
LEDs with OB lens
(36° X 12° Degree beam)



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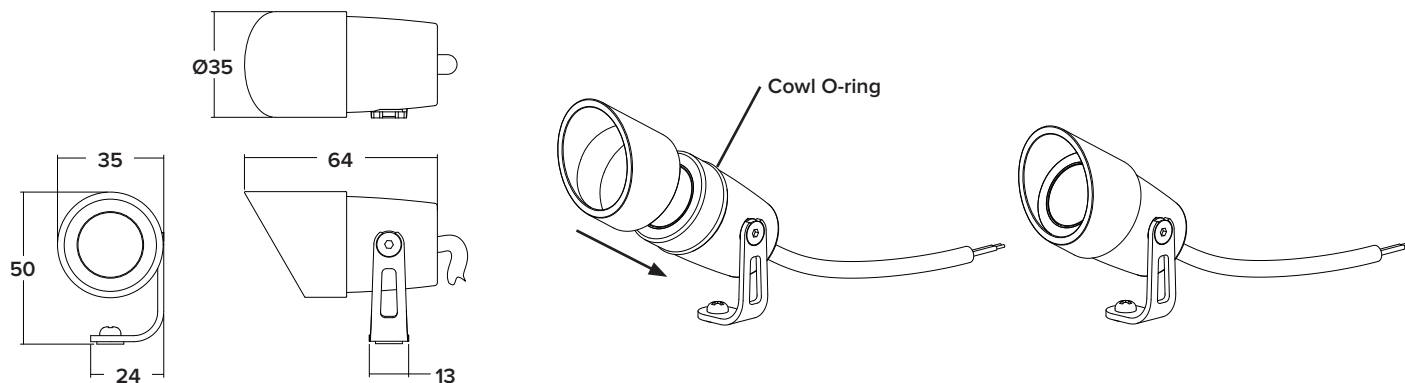
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/CO

Anti Glare Cowl

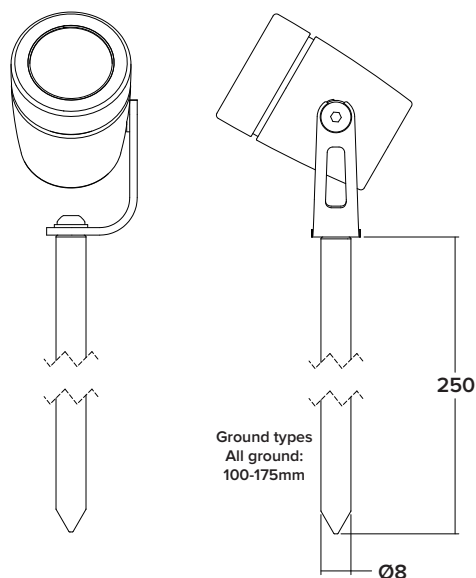


Fitting /CO Anti Glare Cowl on to LD51

1. Make sure that the cowl and cowl O-ring is free of grit and dirt before installing.
2. Fit the cowl O-ring into groove (see drawing above).
3. Firmly grip the LD51 and push the cowl on to the fitting.
4. Rotate the cowl into the desired position.

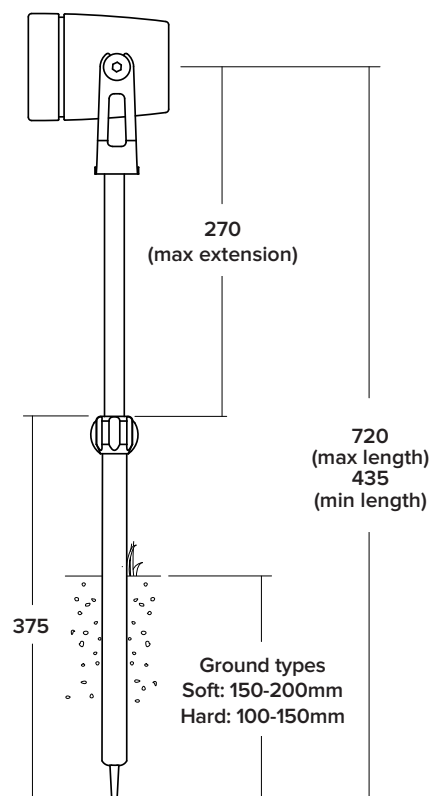
/GS

Ground Spike



/GSA

Adjustable Ground Spike



1. Please follow the guidelines stated above to ensure that the following suffixes (/GS & /GSA) remain upright and secure in place.

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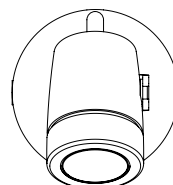
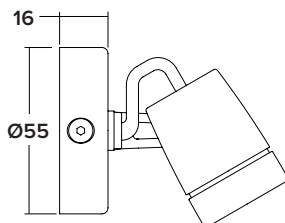
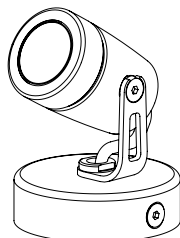
LD51

Surface Mounted Adjustable Spotlight

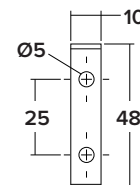
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/SMB

Surface Mount Base

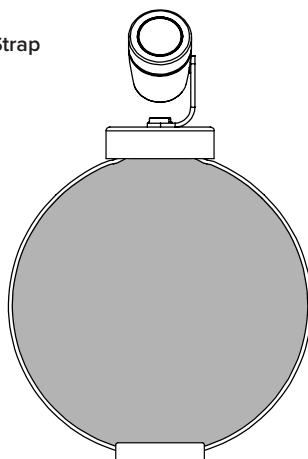


/SMB Bracket

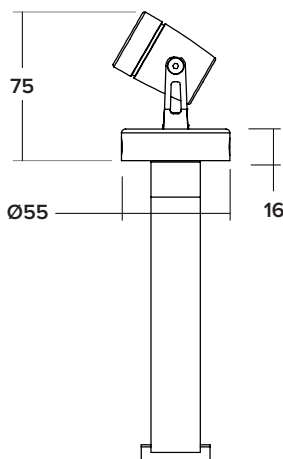


1. Fix **/SMB** Bracket to mounting surface.
2. Wire the luminaire to a specified driver.
3. Replace the LD51 and **/SMB** to the bracket using the provided M4 x 8mm button head screw.
4. Make desired adjustments to the LD51.

/TS Tree Strap



Trunk measurements:
1400mm circumference
Ø450mm maximum diameter



1. Loop tree strap in and out of the bracket.
2. Position the fitting in to its desired position on the tree trunk.
3. Fasten fitting to tree. Tightening strap so that the fitting won't move.
4. Wire luminaire to a specified driver.

NOTE: Connections in wet environments. Make IP68 connection to stop water travelling up the cables into the fittings! Refer to IP connection sheet for further details.

5. Use specified Allen key to adjust the spotlight's tilt into the desired position.

WIRING

Do not power up until fitting is wired correctly! Constant current LEDs must be wired in series, polarity is critical! Please refer to specified driver sheet for details on the minimum and maximum number of LEDs per circuit.

Single Colour LEDs		
Colour of Cable	Red	Black
Polarity	+	-

SEE CONSTANT CURRENT WIRING SHEET FOR IN SERIES WIRING DIAGRAM

IMPORTANT

Make sure that all cables and connections are securely connected before switching on the power. Do not switch on the power source prior to making these connections as this will result in the LEDs being overvolted, which can lead to failure of the LEDs and/or the driver. If the LEDs do not work upon power up, turn off the power source immediately and check the polarity of the wiring.

MAINTENANCE

LAMPS: Non Replaceable.
Clean with soft damp cloth.
Replacement part N°s: Bezel O-ring - 17.0064
Cowl O-ring - 17.0065

This leaflet should be issued and retained by the end user.

Page 3