

LD51-C1

Surface Mounted Adjustable Spotlight



Install sheet - Page 1

SPECIFICATION

LED Surface Mounted luminaires are class III for Safety Extra Low Voltage **DC** supply. The product should only be used with a supplied or LightGraphix approved **350mA, 500mA or 700mA** constant current driver.

Suitable for mounting on normally flammable surfaces.

Lamp: **C1 LED ENGINE.**

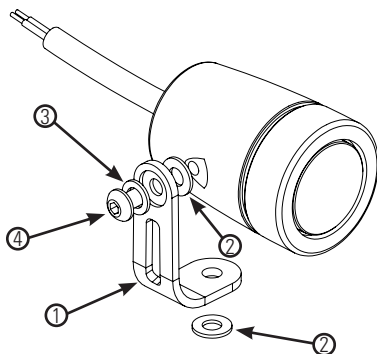
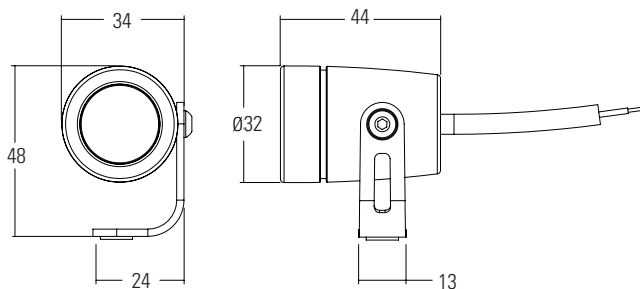
This fitting is **IP67** rated.

Lumen Maintenance: L90B5 at 90,000hrs.

LD51	
Product & LED Output Code	Power Output
LD51-C1 - 350	350mA 1.2W
LD51-C1 - 500	500mA 1.7W
LD51-C1 - 700	700mA 2.4W

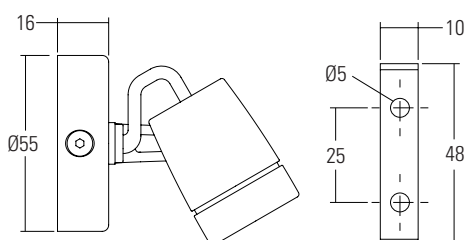
/LD51

LD51 on Standard Stirrup



/SMB

Surface Mounted Bracket



INSTALLATION

/LD51

LD51 on Standard Stirrup

1. Mount stirrup to surface using an appropriate screw (Screw not supplied), placing the washer in between the stirrup and the mounting surface.

2. Arrange the remaining washers and screws as shown in the image below (the screw washer should sit within the rebate on the stirrup).

3. Attach the head, focus in desired direction and tighten stirrup screw. Tighten to 1nm or until it is well-tightened, using a 3mm Allen Key. Leave for 30mins for the Thread-Lock to seal around the thread before making any further adjustments.

4. Wire the luminaire to a specified driver. Ensure the power is turned off prior to making the connection.

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.

STIRRUP BOM		
Item No.	Part Description	Quantity
1	LD51 Stirrup	1
2	Stirrup Washer	2
3	Screw Washer	1
4	Screw	1

/SMB

Surface Mounted Bracket

1. Fix /SMB Bracket to mounting surface.

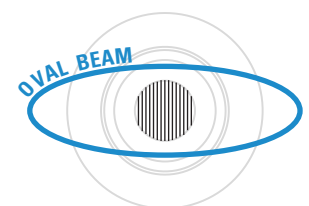
2. Wire the luminaire to a specified driver. Ensure the power is turned off prior to making the connection.

3. Replace the LD51 and / SMB to the bracket using the provided M4 x 8mm CSK head screws.

4. Use a 3mm Allen key to adjust the spotlight's tilt into the desired position.

/OB

Oval Beam Orientation



Wall/Lit Surface

LD51-C1

Surface Mounted Adjustable Spotlight

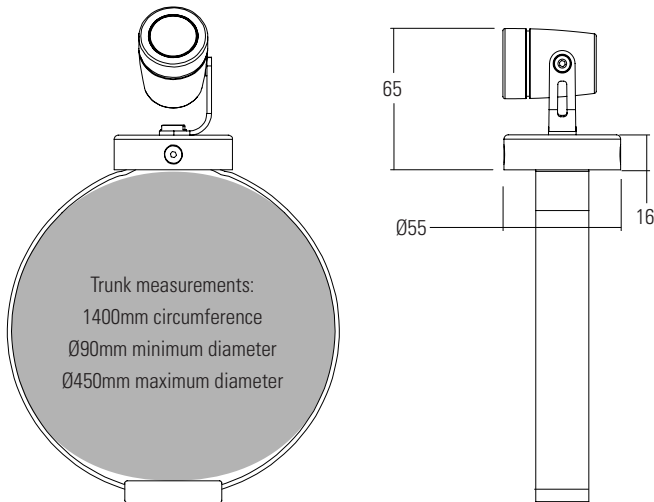


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SPECIFICATION

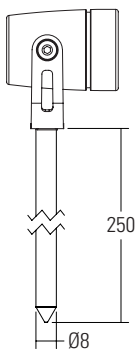
/TS

LD51 on Tree Strap



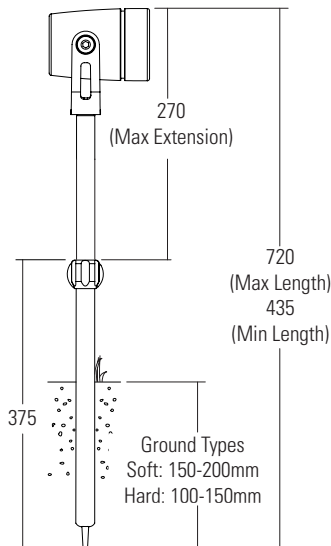
/GS

LD51 on Ground Spike



/GSA

LD51 on Adjustable Ground Spike



INSTALLATION

/TS

LD51 on Tree Strap

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. Ensure the power is turned off prior to making the connection.
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 a 3mm Allen key to adjust the spotlight's tilt into the desired position.

/CO

Anti Glare Cowl

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

/GS & /GSA

Ground Spike & Adjustable Ground Spike

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

SEE CONSTANT CURRENT WIRING SHEET FOR IN SERIES WIRING DIAGRAM

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.

IMPORTANT

Make sure that all cables and connections are securely connected before switching on the power. Failing to do this 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. Any attempt made to open up and/or modify the luminaire will invalidate the manufacturers warranty. This is inclusive of but not limited to removal of the LightGraphix product label or removal of any parts from the main body of the product including bezels, electrical components and factory fitted fixing methods (unless otherwise stated in these instructions) as well as any alterations or additions that could have a negative impact on the thermal stability of the fitting.

MAINTENANCE

This luminaire contains a light source that should only be replaced by a qualified professional. In some cases this may need to be done at our manufacturing facility. Please contact LightGraphix or your local representative to discuss available options.
Clean with soft damp cloth.
O-ring replacement part: 17.0065



CABLE COLOUR & POLARITY		
Colour of Cable	Red	Black
Materials	+	-