LD44G

TRIMLESS LOW GLARE MINIATURE RECESSED INTERIOR/EXTERIOR LED UPLIGHT/WALL LIGHT

(○) (350 mA) (500 mA) (700 mA) (IP68)

The LD44G has been designed for interior & exterior applications, featuring a high-quality, seamless glass top to blend perfectly into its surroundings. Developed around our LD42, LD43 and LD44 fittings, it features a 2-core sheathed cable for exterior installations, delivering up to 180 lumens with a drive current option of 700mA. Optics are recessed 10mm for low glare and glare shield options allow aperture reductions of 45% or 70%. An optional 20° tilt film can be used to focus the light onto the lit surface for a more concentrated effect. With a replaceable light engine and anti-wicking barrier, the LD44G offers a robust, miniature solution for exterior-rated uplighting and wall light applications in harsh environments.

KEY FEATURES

> High-power C1 engine with NICHIA LED delivering up to 180lm at 700mA

> For interior and exterior uplight (LD44X) or wall light (LD44Y) applications, with a 2-core sheathed cable for exterior installations

> Minimal body depth and bezel diameter with optics recessed 10mm for low glare

> Durable all glass bezel, suitable for a wide range of applications

> Range of beam angles including 12°, 31°, 48°, 12° x 36°

> Available with a 45% or 70% glare shield accessory

> Optional 20° tilt film angles the light onto the lit surface for a more concentrated effect

> Features an RLE (Replaceable Light Engine) engine with anti-wicking barrier to increase protection against moisture ingress

> Hidden fixing options include a rebate trimless fixing sleeve, minimalist trimmed sleeve, or plaster-in sleeve

> Switched, 0-10V, Casambi, DMX, DALI or Mains dimmable drivers available

DIMENSIONS

Dimensions in mm

For fixings and dimensions please go to page 3.

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MADE IN BRITAIN

LightGraphix
Creative Lighting Solutions

LD44G

WHITE LED ENGINE SPECIFICATION

Engine	○ C1		
Beam angles	12°, 31°, 48°, 12° x 36°		
LED manufacturer	NICHIA		
Colour temperature	2200K / 2700K / 3000K / 4000K / 5000K		
Current	350mA	500mA	700mA
LED power (Max)**	1.1W (1.2W**)	1.5W (1.7W**)	2.1W (2.4W**)
Delivered lumens (L$_{100}$)*	103	134	180
Lumens per circuit watt	94	89	86
Forward voltage (V$_{100}$)	3.4V		
CRI (Typ)	93		
Colour consistency	2 SCDM		
Peak intensity	1057 cd		
LED Lumens	206		
LOR	0.87		
TM30	RF93	RG100	
UGR***	18.3		
LED lifetime	L90B5 @ 90,000hrs		
Applications			

This data is based on LD44G-C1-700-LW30-NB
*Lumen output data applies to all colour temperatures
**Indicates the nominal power for the LED run at that particular current and includes losses associated with using an 85% efficient driver
*** UGR values based on room parameters of 4H 8H, C70 W50 F20

MECHANICAL

| Ambient temperature	-20° to 45° (350mA-500mA) or -20° to 35° (700mA)
Glass	3mm thick borosilicate glass with ceramic screen print
Materials	Black anodised aluminium body with black anodised bezel and glass front
IP rating	IP68
IK rating	IK06
Wiring	In-series constant current wiring (pre-wired with 2 x core cable at a length of 250mm)

ENVIRONMENTAL

TM65	Available on request
TM66	2.7

Data sheet issued: 11 April 2024
LightGraphix reserve the right to change specifications without notice

DIMENSIONS AND FIXING ACCESSORIES

Dimensions in mm

/480SG Rebate trimless fixing sleeve and O-Ring

A robust and water tight method of
fixing, for in ground applications. Mounting surface will require an 11mm rebate to allow for flush installation. Fixing ring available with a passivated stainless steel or powder coat black finish.*
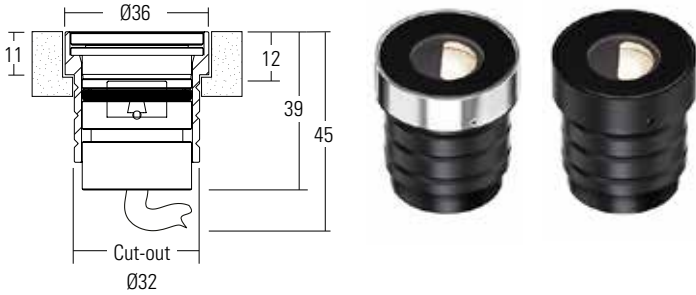

/480TRG Minimalist Trimmed Sleeve and O-Ring

A robust and water tight method of fixing, with trimmed edge bezel for easy installation due to no rebate being required. Fixing ring available with a passivated stainless steel or powder coat black finish.*
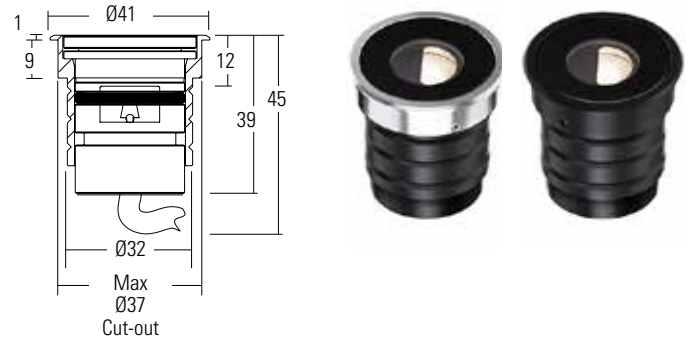
/480GTG Ground tube

The in-ground tube has been designed for applications where a recessed uplighter is required in soil or gravel terrain, and can also be used in concrete. The tube can be buried with the necessary wiring, and then the fitting installed after the landscaping work has been completed. It is supplied with the fixing sleeve bonded into the tube, and can be cut down on site. Fixing ring available with a passivated stainless steel or powder coat black finish.*
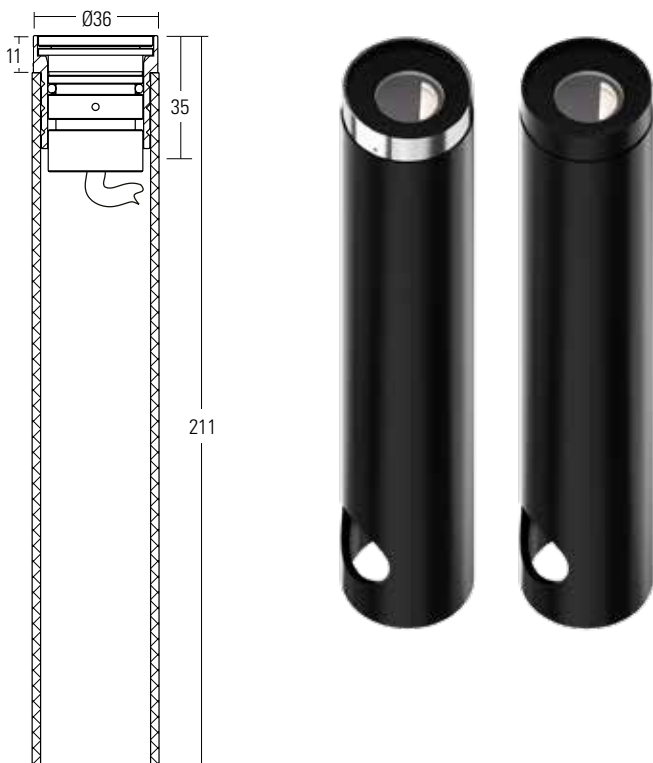
/480PSG Plaster in Sleeve

For plaster in applications such as walls or ceilings.
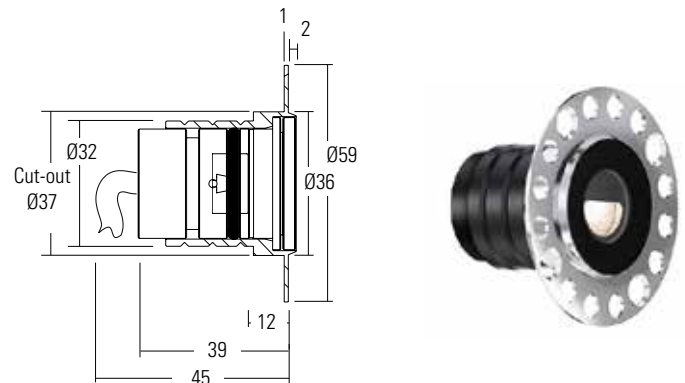
***NOTE:** Powder coat black paint finish is not suitable for high-traffic areas.

/HT-44-G Trimless Family Hand tool

We supply our Trimless family fittings with a hand tool for easy intallation and removal. Use the /HT-44-G suction cup or a similar suction tool for the removal of the fittings from their fixing options. Please contact your LightGraphix sales representative for more information.

How to use the hand tool

1 Set tool to a 90° angle.

2 Press tool firmly onto glass.

3 Tilt handle up to create suction, and pull directly upwards to remove fitting.
Note: Do not twist during removal as this could damage the bezel.

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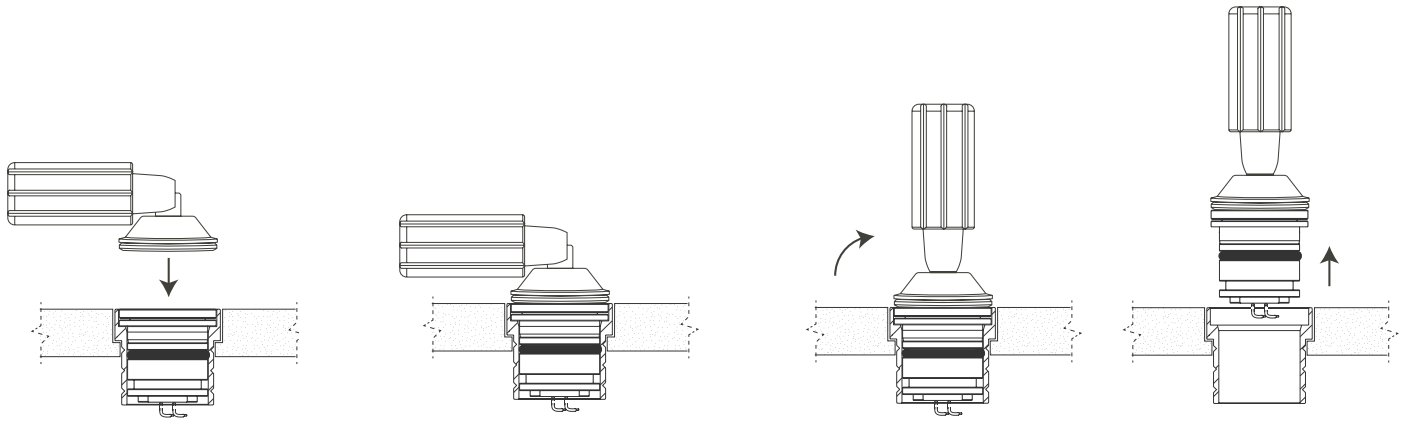
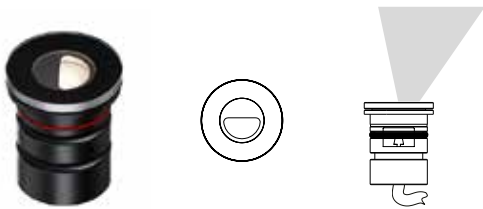## GLARE CONTROL AND LIGHT OUTPUT OPTIONS

LD44G
Circular aperture with lens and LED assembly recessed into the body by 10mm.
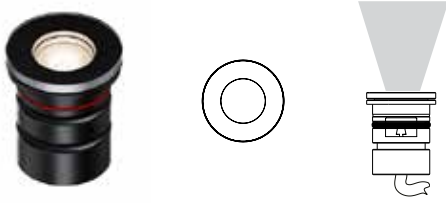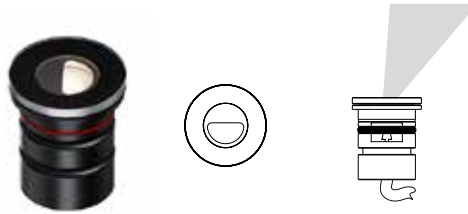

LD44G with GS45
Addition of a half-moon glare shield in front of the lens to further reduce glare. Please note that the Oval beam cannot be used with GS45.
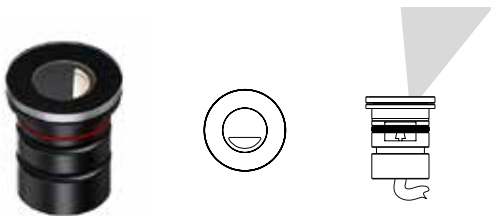

LD44G with Tilt lens and GS45*
Features a half-moon glare shield, but with the addition of an integral 20° tilt lens which angles the light towards the lit surface. Please note that the Oval beam cannot be used with a Tilt lens and GS45.


LD44G with GS70
Features a 70% glare shield for applications that require minimal output and glare. Please note that the Oval beam cannot be used with the GS70.

LD44G with Tilt lens and GS70*
Features a 70% glare shield, but with the addition of an integral 20° Tilt lens which angles the light towards the lit surface. Please note this option is only available in a narrow beam.
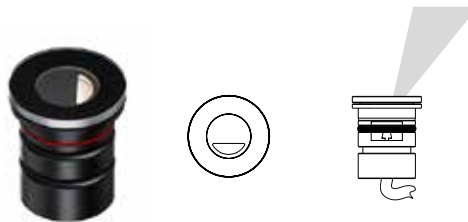
*NOTE: LightGraphix recommends always adding a glare shield when the Tilt lens is used.

ORDER CODES & OPTIONS

Example: LD44G-C1-500 / LW30 / MB / A / GS44-45 / 480SG / Paint finish black

Light Engine & Drive Current		LED Colour		Beam Angle		Optical option		Glare shield		Fixing		Fixing Finish*
/		/		/		/		/		/		

*Not available on 480PSG

C1

Light Engine & Drive Current		LED Colour		Beam Angle		Optical option		Glare shield	Fixing	Fixing Finish*
1.2W LED at 350mA	LD44G-C1-350	Super Warm White (2200K)	/LW22	12° Narrow	/NB	20° Tilt	A	/NGS	/480SG	Passivated Stainless Steel
1.7W LED at 500mA	LD44G-C1-500	Extra Warm White (2700K)	/LW27	31° Medium	/MB	No tilt	L	/GS45 (not applicable with Oval beam)	/480TRG	
2.4W LED at 700mA	LD44G-C1-700	Warm White (3000K)	/LW30	48° Wide	/WB				/480GT	Paint finish Black (Powder Coat)
		White (4000K) - on request	/LW40	12° x 36° Oval	/OB			/GS70 Not applicable with Oval beam. When using Tilt lens, only Narrow beam can be specified)	/480PSG	
		Cool White (5000K)	/LW50							

Drivers
Use with 350mA, 500mA and 700mA constant current LED drivers
We have a range of dimmable LED drivers including DMX and DALI compatible. Please see the downloads section on our website.

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