

LD44G

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



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 or wall light applications, including 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.



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

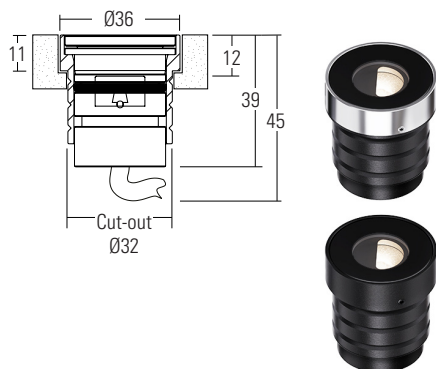
DIMENSIONS AND FIXING ACCESSORIES

Dimensions in mm

/480SG

Rebate trimless fixing sleeve and O-Ring

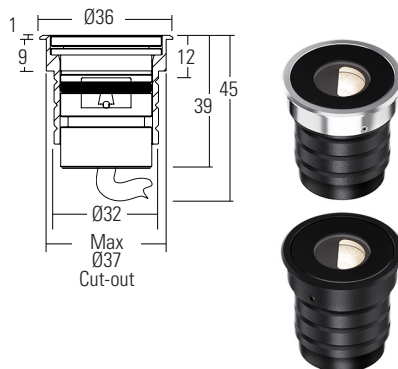
A robust and water tight method of fixing, for in ground applications. Mounting surface will require an 11mm rebate to allow for flush installation. Fixing ring available with a passivated stainless steel or powder coat black finish.*



/480TRG

Minimalist Trimmed Sleeve and O-Ring

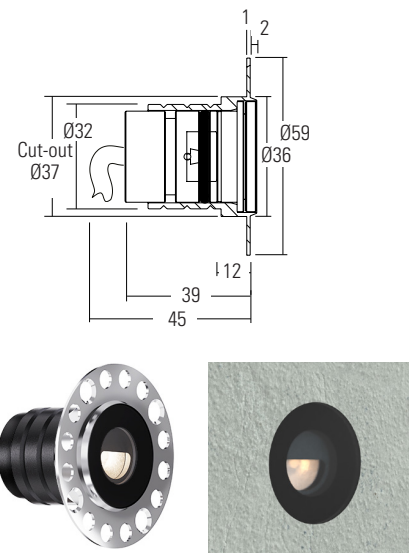
A robust and water tight method of fixing, with trimmed edge bezel for easy installation due to no rebate being required. Fixing ring available with a passivated stainless steel or powder coat black finish.*



/480PSG

Plaster in Sleeve and O-Ring

For plaster in applications such as walls or ceilings.



/HT-44-G Trimless Family Hand tool

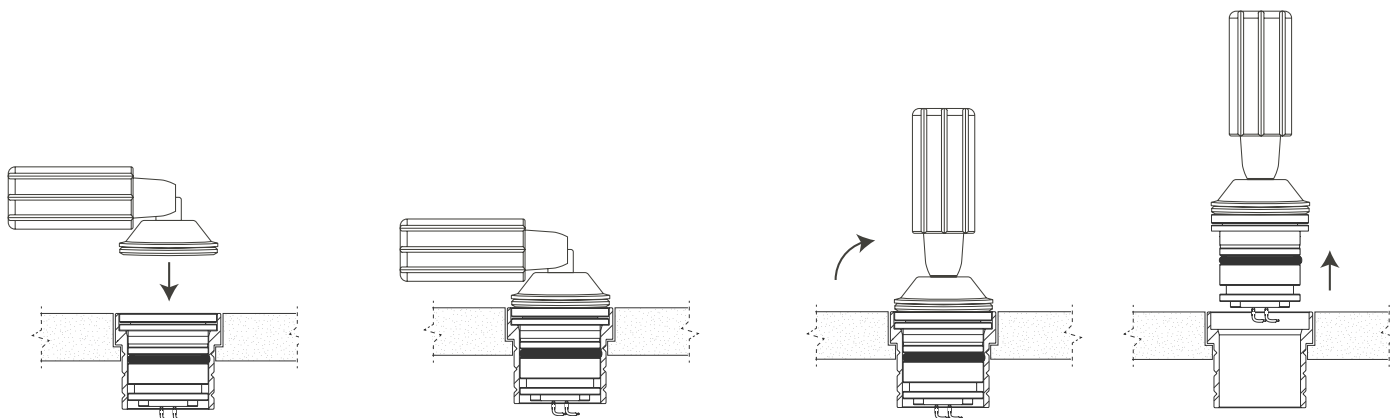
We supply our Trimless family fittings with a hand tool for easy installation and removal. Use the /HT-44-G suction cup or a similar suction tool for the removal of the fittings from their fixing options. Please contact your LightGraphix sales representative for more information.



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.

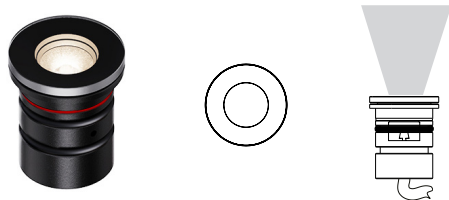


***NOTE:** Powder coat black paint finish is not suitable for high-traffic areas.

GLARE CONTROL AND LIGHT OUTPUT OPTIONS

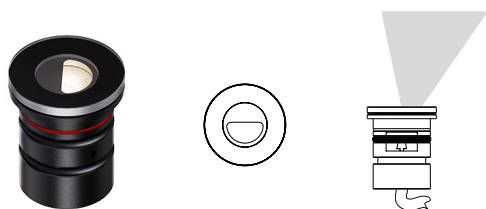
LD44G

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



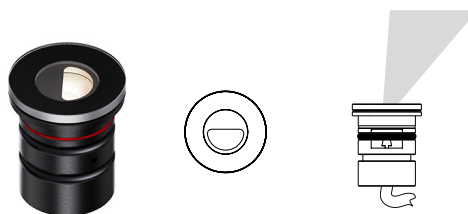
LD44G with GS45

Addition of a half-moon glare shield in front of the lens to further reduce glare.



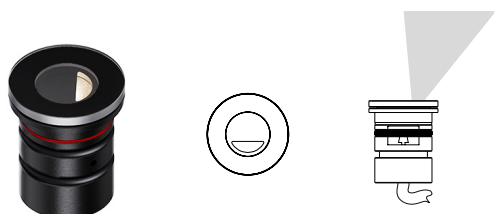
LD44G with tilt lens and GS45*

Features a half-moon glare shield, but with the addition of an integral 20° tilt film which angles the light towards the lit surface.



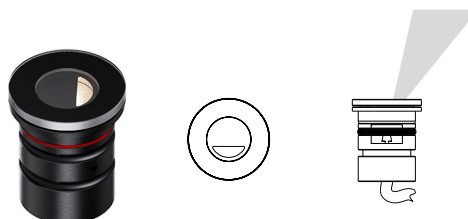
LD44G with GS70

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 film 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*

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*Not available on 480PSG

C1

1.2W LED at 350mA	LD44G-C1-350	Super Warm White (2200K)	/LW22	12° Narrow	/NB	20° tilt	A			<div>Passivated Stainless Steel</div> <div>Paint finish Black (Powder Coat)</div>
1.7W LED at 500mA	LD44G-C1-500	Extra Warm White (2700K)	/LW27	31° Medium	/MB	No tilt	L	/NGS	/480SG	
2.4W LED at 700mA	LD44G-C1-700	Warm White (3000K)	/LW30	48° Wide	/WB					
		White (4000K) - on request	/LW40	12° x 36° Oval	/OB			/GS45	/480TRG	
		Cool White (5000K)	/LW50							
								/GS70	/480PSG	

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.