LD43/W/A/R/AR
LOW GLARE MINIATURE RECESSED INTERIOR/EXTERIOR LED UPLIGHT

○ | 350 mA | 500 mA | IP66

The LD43 fittings are a range of miniature recessed uplights with a very minimal depth and small cables, ideal for interior applications, including bathrooms. Featuring a flush glass and walkover bezel for in-ground use, the LED and optics are recessed 10mm into the body for low glare. Various glare shield and tilt film options (W, A ,R, AR) are also available for glare reduction and to create lit effects to suit individual applications. This includes aperture reductions of 50% or 70%, with or without an integral 20° tilt film, which focuses the light onto the lit surface for a concentrated lit effect. For a miniature fitting, LD43 produces an excellent throw of light when more output is required. If used with our LD42 wall light, a uniform floor and wall washing effect can be achieved.

Please note: For exterior in-ground applications please use the LD41, LD60, LD43DR, LD56 or LD56T. These have an integral anti-wicking barrier and thicker cable which is more suitable for exterior in-ground installations.

Design: GTA Equation   Project: Link Bridges – Deloitte   Product: LD43W

KEY FEATURES

> High-power C1 engine with NICHIA LED delivering up to 174lm

> Miniature fitting with very minimal body depth and bezel diameter

> Uplight version of our LD42 wall light with a flush glass in-ground walk over bezel

> Options include 50% glare shield (LD43W), combined 50% glare shield and 20° tilt film (LD43A), 70% glare shield (LD43R) or combined 70% glare shield and 20° tilt film (LD43AR)

> Wide range of high-quality machined metal and painted bezel finishes available, including: 316 Stainless Steel, Polished & Passivated 316 Stainless Steel, Brass, Flamed Solid Bronze, White (RAL 9016), Black (RAL 9005), Classic Bronze (YM262E), Gunmetal Grey (RAL 7021) and any RAL

> High efficiency optics produce excellent beam spread and shape

> LED recessed 10mm within the body for reduced glare

> Hidden fixing options include spring clips or /480 first fix sleeve with O-rings

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

DIMENSIONS
Dimensions in mm

For fixing and accessory dimensions please go to page 4.

LD43

LD43W & LD43A

LD43R & LD43AR

Ø36

35

Ø27

LIAQA ASSURED COMPANY   MADE IN BRITAIN   Lloyd's Register

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
LED power (Max)**	1.2W	1.7W
Delivered lumens (L_{100})*	103	134
Lumens per circuit watt	86	79
Forward voltage (V_{100})	3V	3.2V
CRI (Typ)	93	93
Colour consistency	2 SCDM	
Peak intensity	1057 cd	
LED Lumens	206	
LOR	0.84	
TM30	RF93	RG100
UGR***	18.3	
LED lifetime	L90B5 at 90,000hrs	
Applications		

This data is based on LD43-C1-500-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
LD43A and LD43W lumen output will be 40% less due to the glare shield - LD43R lumen output will be 77% less - LD43AR lumen output will be 73% less

MECHANICAL

Ambient temperature	-20° to 45° (350mA) or -20° to 35° (500mA)
Glass	3.3mm thick borosilicate
Materials	Hard anodised aluminium body with machined 316 stainless steel bezel
IP rating	IP66
Wiring	In-series constant current wiring (pre-wired with 2 x single core cable at a length of 150mm)

AVAILABLE FINISHES

Please refer to our finishes guide for full details

316 STAINLESS STEEL

> Marine grade 316 Steel

> Standard machined finish

> Extremely durable

> Passivation recommended for marine environments to prevent corrosion and build up of brown stains caused by oxidation

> Interior & exterior use

POLISHED & PASSIVATED 316 STAINLESS STEEL

> Marine Grade 316 Steel

> Mirror like finish

> Extremely durable

> Passivated to extensively prolong resistance to corrosion and brown stains caused by oxidation in marine environments

> Interior & exterior use

MACHINED BRASS

> Solid CZ121 Brass

> Standard machined finish

> Corrosion resistance rated fair to excellent

> Please note a natural green/brown patination layer will form after long term exposure to the elements, the extent of this discolouration will be dependant on its location.

> Interior & exterior use

FLAMED SOLID BRONZE

> Solid Bronze

> Hand finished Flamed Bronze unique to LightGraphix

> Extremely durable with very high corrosion resistance

> Please note a natural dark patination layer will form after long term exposure to the elements, the extent of this discolouration will be dependant on its location.
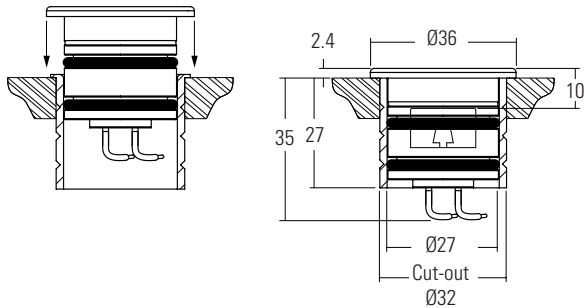
> Interior & exterior use

PAINT FINISH - POWDER COAT

> White (RAL 9016), Black (RAL 9005), Classic Bronze (YM262E), Gunmetal Grey (RAL 7021) and other RAL colours available

> Smooth matt texture unless stated otherwise

> Not recommended for footlights in high traffic areas

> Interior & exterior use

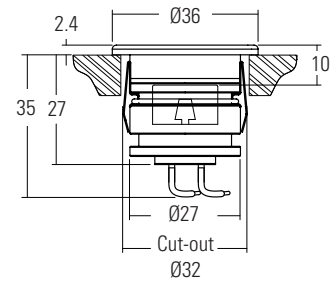## DIMENSIONS AND FIXING ACCESSORIES

Dimensions in mm

/480 O-rings and sleeve
Robust, watertight method of fixing for in-ground applications.

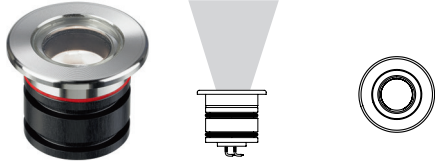### /SC Spring clip fixing
Provide a simple single-fix mounting method.

Design: Design Plus Light   Project: Cutters Wharf   Product: LD43

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LightGraphix
Creative Lighting Solutions

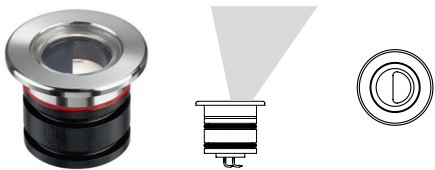## GLARE CONTROL AND LIGHT OUTPUT OPTIONS

LD43

Circular aperture with lens and LED assembly recessed into the body by 10mm.
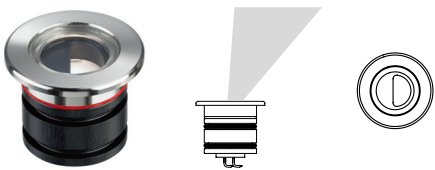
LD43W

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 the LD43W.
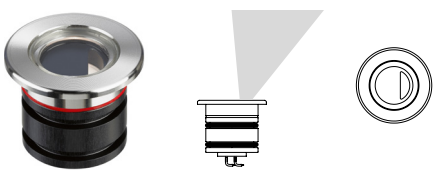
LD43A

Features the LD43W half-moon glare shield, but with the addition of an integral 20° tilt film which angles the light towards the lit surface. Please note that the oval beam cannot be used with the LD43A.
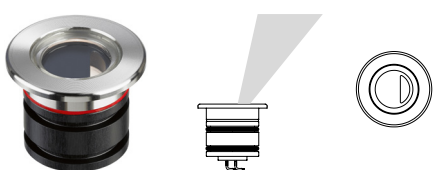
LD43R

Features a 70% glare shield for applications that require minimal output and glare. Please note that the oval beam cannot be used with the LD43R.

LD43AR

Features the LD43R 70% glare shield, but with the addition of an integral 20° tilt film which angles the light towards the lit surface. Please note the LD43AR is only available in a narrow beam.

Design : Lighting Design International · Project: Harrods · Super Brands · Product: LD43W

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LightGraphix
Creative Lighting Solutions

ORDER CODES & OPTIONS

Light Engine & Drive Current		LED Colour		Beam Angle		Finish		Fixing & Accessories
LD43 -	/		/		/		/	

WHITE LED ENGINES

	C1

LD43

1.2W LED at 350mA	LD43-C1-350
1.7W LED at 500mA	LD43-C1-500

LD43W / LD43A / LD43R

1.2W LED at 350mA	LD43W-C1-350 LD43A-C1-350 LD43R-C1-350
1.7W LED at 500mA	LD43W-C1-500 LD43A-C1-500 LD43R-C1-500

LD43AR

1.2W LED at 350mA	LD43AR-C1-350
1.7W LED at 500mA	LD43AR-C1-500

LED Colour		Beam Angle	
Super Warm White (2200K)	/LW22	12° Narrow spot	/NB
Extra Warm White (2700K)	/LW27	31° Medium	/MB
Warm White (3000K)	/LW30	48° Wide	/WB
		12° x 36° Oval	/OB
White (4000K) - on request	/LW40	12° Narrow spot	/NB
Cool White (5000K)	/LW50	31° Medium	/MB
		48° Wide	/WB
Red	/LR		
Green	/LG		
Blue	/LB		
Amber	/LA	12° Narrow spot	/NB

Finish

316 Stainless Steel

Polished & Passivated 316 Stainless Steel (for marine environments)

Machined Brass

Flamed Solid Bronze

Paint Finish - Black (RAL 9005)

Paint Finish - Classic Bronze (YM262E)

Paint Finish - Gunmetal Grey (RAL 7021)

Paint Finish - White (RAL 9016)

Paint Finish - RAL

Fixing & Accessories

/480

/SC

Drivers
Use with 350mA & 500mA 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.