

# LD43, LD43W, LD43A, LD43R & LD43AR



Low Glare Miniature LED Recessed Uplight

Data sheet - Page 1



Design: GIA Equation Project: Link Bridges - Deloitte Product: LD43W

The LD43 fittings are a range of miniature recessed LED uplights that complement our range of LD42 wall lights. Ideal for interior in-ground applications, including bathrooms, the LD43 range features a flush glass and walkover bezel, very minimal body depth and small cables. Low glare is achieved with a 10mm recessed lens assembly in a black anodised body and can be further reduced with the addition of our optional glare shields and tilt film, which focuses the light towards the lit surface. For ultra-low glare, the new LD43R contains a 70% glare shield, or for a concentrated angled beam, the LD43AR combines a 70% glare shield with an integral 20° tilt film.

## Key Features

- Uplight version of our LD42 wall light
- Flush glass and walkover bezel
- Very minimal body depth and bezel diameter
- Wide range of standard and custom bezel finishes
- High powered miniature LED
- High efficiency optics produce excellent beam spread and shape
- 10mm recessed LED position for reduced glare
- Optional half-moon glare shield (LD43W), combined half-moon glare shield and 20° tilt film (LD43A), 70% glare shield (LD43R) or combined 70% glare shield and 20° tilt film (LD43AR) available
- 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

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

## Specification

Applications				
Beam Angles	12°, 31°, 48°, 36° x 12°			
LED type	1 x Cree XPG2			
Colour temperature	2200K* / 2700K* / 3000K		5000K	
Drive Current (mA)	350	500	350	500
LED power** (W)	1.2W	1.7W	1.2W	1.7W
CRI (typical)	93	93	75	75
Forward voltage (V <sub>100</sub> )	3.0V	3.2V	3.0V	3.2V
Delivered lumens (L <sub>100</sub> )***	88	120	107	146
Lumens per circuit watt	73	71	89	86

LED lifetime (to 70% lumen maintenance) 50,000hrs at a max ambient temperature of 35°C (if specifying fitting in ambient temperatures of up to 45°C run at 350mA max, LD43-350)

Materials Hard anodised aluminium body with machined 316 stainless steel bezel

Glass 3.3mm thick borosilicate

Wiring Supplied pre-wired with 2x 150mm single core lead, can be specified with up to 3m of single core cable at extra cost

IP rating IP66

\* 2200K lumen output is 30% lower than the 3000K figure listed  
 \* 2700K lumen output is 12% lower than the 3000K figure listed  
 \* 4000K lumen output is 14% higher than the 3000K figure listed (80 CRI)  
 \*\*LED wattage includes losses associated with using an 85% efficient driver  
 \*\*\*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

LD43

LD43W, LD43A

LD43R, LD43AR



# LD43, LD43W, LD43A, LD43R & LD43AR



Low Glare Miniature LED Recessed Uplight

Data sheet - Page 2

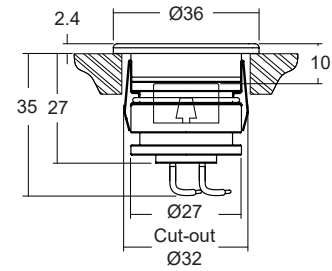
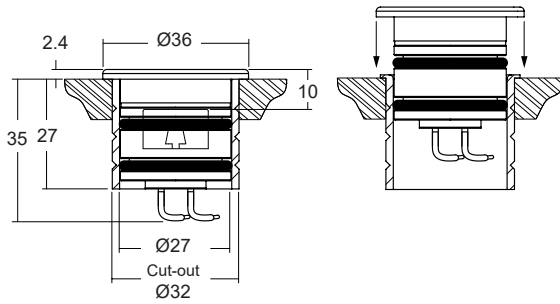
## Dimensions and fixing options

**/480** - O-rings and sleeve.

Robust, watertight method of fixing for in-ground applications.

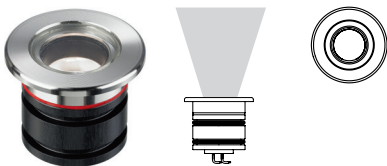
**/SC** - Spring clip fixing.

Suitable for most interior applications.



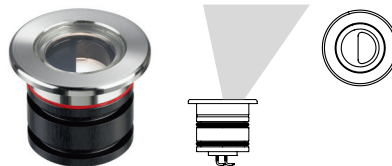
## Glare control and light output options

### LD43



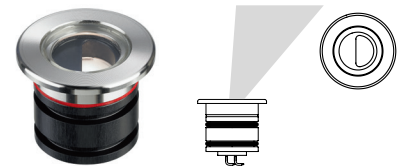
Circular aperture with lens and LED assembly recessed into the body by 10mm.

### LD43W



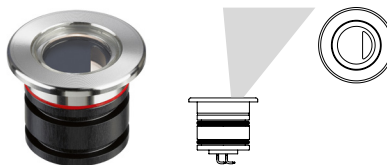
Addition of a half-moon glare shield in front of the lens to further reduce glare. Please note that the oval beam cannot be used with the LD43W.

### LD43A



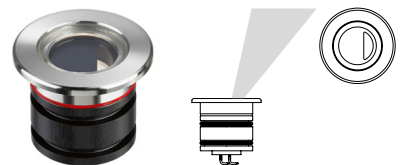
Features the LD43W half-moon glare shield, but with the addition of an integral 20° tilt film which angles the light towards the lit surface. Please note that the oval beam cannot be used with the LD43A.

### 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.

## Photometrics

Photometric files are included in the design pack which can be downloaded from the LD43, LD43W, LD43A, LD43R & LD43AR product page on the website.

# LD43, LD43W, LD43A, LD43R & LD43AR



Low Glare Miniature LED Recessed Uplight

Data sheet - Page 3

## Order Codes and Options

Product code	LED colour	Beam angle	Finish	Fixing
LD43 - 350 - 500				

Example: LD43A-500 / LW30 / MB / Stainless Steel / 480

### Product codes with output options

350mA 1.2W	LED colour	Beam angle	500mA 1.7W	Product code
				LD43-500
				LD43W-500
				LD43A-500
				LD43R-500
				LD43AR-500
		(AR - narrow beam only)		LD43AR-500

### LED colour options

LED colour options	Suffix
Super Warm White (2200K)	/LW22
Extra Warm White (2700K)	/LW27
Warm White (3000K)	/LW30
White (4000K) - on request	/LW40
Cool White (5000K)	/LW50
Blue	/LB
Green	/LG
Red	/LR
Amber	/LA

\*Other LED colour temperatures are available. Please speak to a member of our sales team.

### Beam angle options

12° narrow spot	/NB
31° medium	/MB
48° wide	/WB
36° x 12° oval (only available with the LD43)	/OB

### Bezel finish options

Stainless steel 316  
 Polished and passivated stainless steel (for marine environments)  
 Flamed solid bronze (antique finish)  
 Paint finish White / Black / RAL (not suitable for high traffic areas)

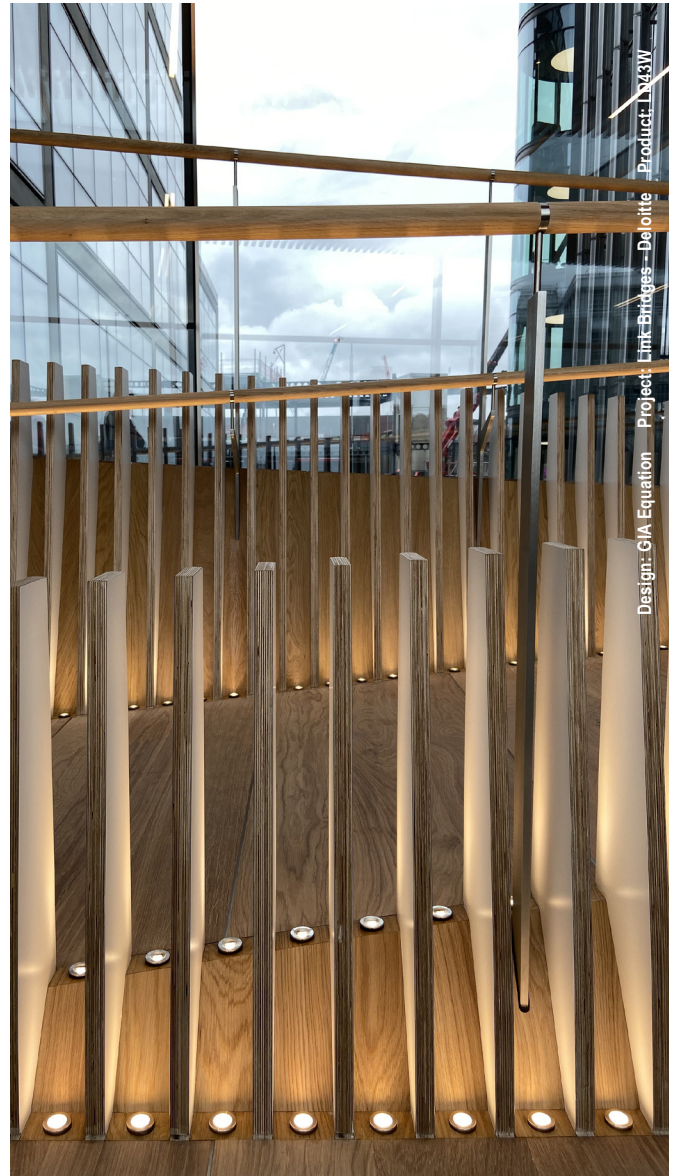
\*See our finishes guide for other options

### Fixing options

First fix sleeve and O-rings	/480
Spring clips	/SC

### Use with 350mA and 500mA constant current LED drivers

We have a wide range of dimmable LED drivers, 1-10V, Casambi, DMX, DALI and Mains dimmable. Please see the downloads section on our website:  
 To run 1-14 LD43-350 in series use a TXDEL350D (0-10V dimmable)  
 To run 1-14 LD43-500 in series use a TXDEL500D (0-10V dimmable)


 Product: LD43W  
 Project: Link Bridges - Deloitte  
 Design: GIA Equation