

LD72DR



Miniature Deep Recessed Low Glare LED Downlight

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LD72DR is a miniature, deep recessed LED downlight with matt black baffle for low glare applications. Ideal for displays niches or general downlighting effects. The LD72DR is very discreet with the LED set back by 15mm to further reduce the glare & and a painted bezel which can be matched to the mounting surface. Utilizing the latest LED technology, the LD72DR achieves a typical CRI of 93 in warm white. IP40 as standard, but can be specified IP54 for bathrooms or wet environments.

Key Features

- Matt black inner baffle & LED set back 15mm from front of the fitting for reduced glare.
- High power for its size
- High efficiency optics specially designed for LightGraphix guarantee excellent beam spread and shape
- Optional IP54 version for wet areas, comes with glass and gasket
- Hidden fixing options include spring clips
- Simple and fast installation
- Available with Switch, 0-10V, DMX, Dali or Mains dimmable drivers

Specification

Applications



Beam Angles 12°, 31°, 45°

LED type 1 x Cree XPG2

Colour temperature 2700K** / 3000K 5000K

Drive Current (mA)	350	500	700	350	500	700
LED power* (W)	1.2W	1.7W	2.4W	1.2W	1.7W	2.4W
CRI (typical)	93	93	93	75	75	75
Forward voltage (V) ₁₀₀	3.0V	3.2V	3.4V	3.0V	3.2V	3.4V
Delivered lumens** (L ₁₀₀)	102	139	178	138	168	215
Lumens per circuit watt	85	82	74	115	99	90

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 500mA max, LD72DR-500)

Materials Anodised & painted aluminium Body, bezel & front

Glass 1.2mm thick borosilicate (IP54 version only)

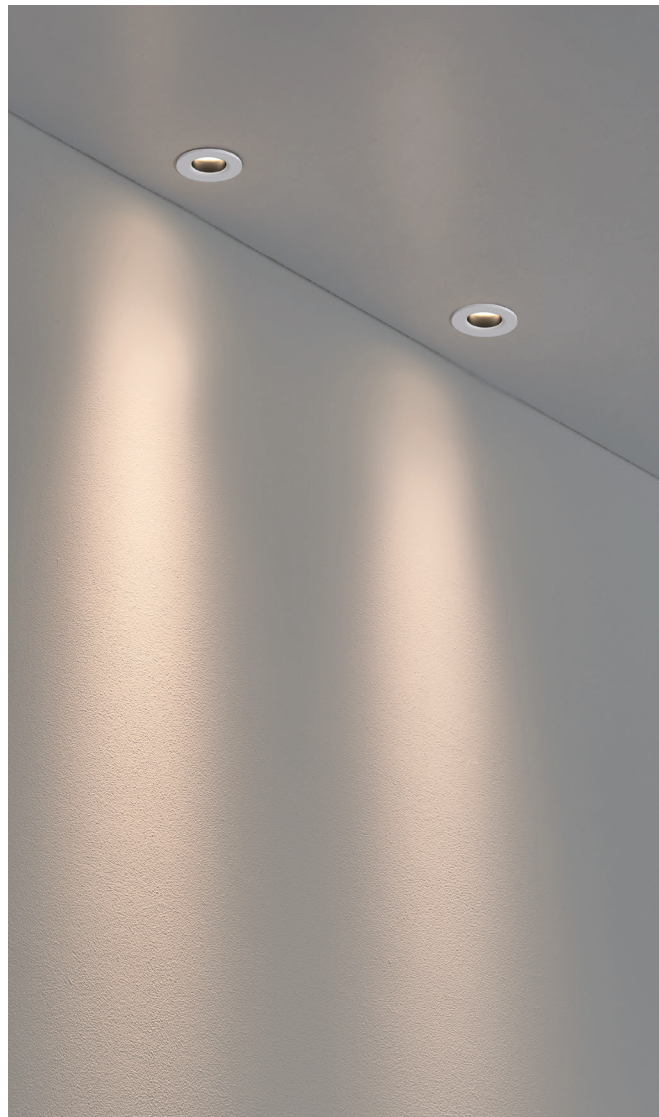
Wiring Comes pre-wired with 2x 200mm single core lead, can be specified with up to 3m of single core cable at extra cost

IP rating IP40 standard (optional IP54)

*LED wattage includes losses associated with using an 85% efficient driver

** 2700K lumen output is 12% lower than the 3000K figure listed

4000K lumen output is 14% higher than the 3000K figure listed (80 CRI)



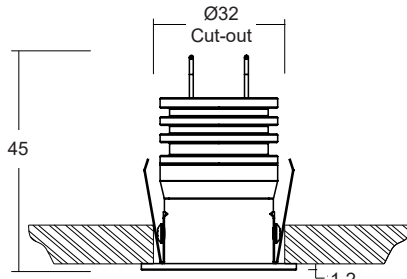
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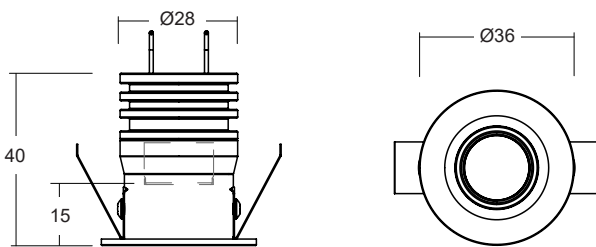
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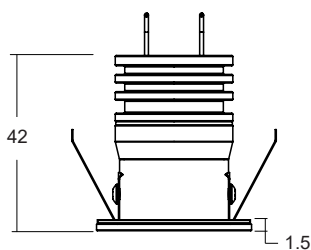
Dimensions and Fixing Options



LED and optic position recessed by 15mm for reduced glare.



IP54 rated version includes a glass front and a gasket that sits between the heat-sink and the bezel



Photometrics

Photometric files are included in the design pack which can be downloaded from the LD72DR product page on the website.

Order Codes and Options

Product code	LED colour	Beam angle	IP Rating	Finish
LD72DR - 350 - 500 - 700	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Example: LD72DR-700 / LW30 / NB / IP54 / White

Product codes with output options

1.2W LED at 350mA	LD72DR-350
1.7W LED at 500mA	LD72DR-500
2.4W LED at 700mA	LD72DR-700

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

Beam / lens angle options

12° narrow spot	/NB
31° medium	/MB
45° wide	/WB

IP Rating

IP40 (dry internal use as standard)	/IP40
IP54	/IP54

Bezel finish options

Paint finish white / black / RAL (not suitable for high traffic areas)
 Chrome finish (minimum order - please contact us)

Use with 350mA, 500mA & 700mA constant current LED drivers

We have a wide range of dimmable LED drivers, 0-10V, DMX, DALI and Mains dimmable. Please see the downloads section on our website:

To run 1-14 LD71DR-350 in series use a TXDEL350D (0-10V dimmable)

To run 1-14 LD71DR-500 in series use a TXDEL500D (0-10V dimmable)

To run 1-13 LD71DR-700 in series use a TXDEL700D (0-10V dimmable)