LD72DR

Miniature Deep Recessed Low Glare LED Downlight

350 mA | 500 mA | 700 mA | IP40 | IP54 | F | III

Data sheet - Page 1

The new LD72DR is a miniature, deep recessed LED downlight with matt black baffle for low glare applications. Ideal for display, niches or general downlighting effects, the LD72DR is very discreet with the LED set back by 15mm to further reduce glare & and a painted bezel which can be matched to the mounting surface. Utilising 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 spring clip fixings
- 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

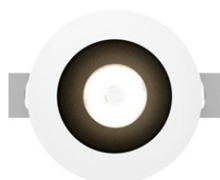| LED lifetime (to 70% lumen maintenance)	50,000hrs at a max ambient temperature of 35°C (if specifying fitting in ambient temperatures of up to 45°C run at 500mA max, LD72DR-500)
Materials	Anodised & painted aluminium body, bezel
Glass	1.2mm thick borosilicate (IP54 version only)
Wiring	Comes pre-wired 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
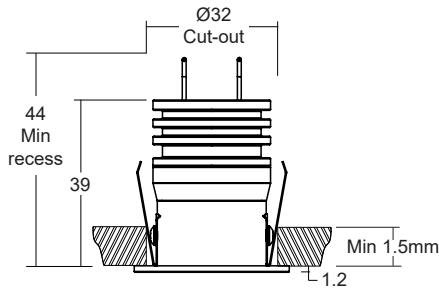   4000K lumen output is 14% higher than the 3000K figure listed (80 CRI)

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Dimensions and Fixing Options

Ø32 Cut-out

44 Min recess

39

Min 1.5mm
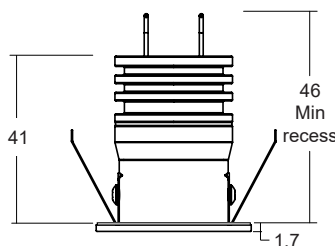
1.2

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

Ø28

15

Ø36
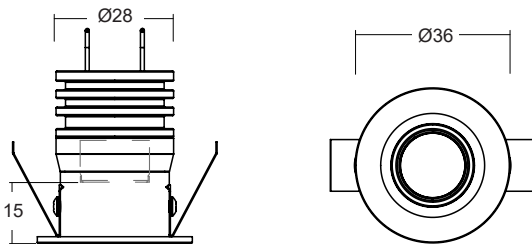
IP54 rated version includes a glass front and a gasket that sits between the mounting surface and the bezel

41

46 Min recess

1.7

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				

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

	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 / 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

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)

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