

LD72M



Miniature Low Glare LED Downlight

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The new LD72M is 2mm smaller in diameter than the LD72 it replaces. It is a miniature LED downlight, ideal for display, niches or general downlighting effects. It is very discreet with the LED set back by 10mm to reduce glare, and a painted bezel which can be matched to the mounting surface. It utilises the latest LED technology with a typical CRI of 93 in warm white. IP40 as standard, but can be specified IP54 for bathrooms or wet environments.

Key Features

- Very minimal depth and bezel diameter
- High power for its size
- High efficiency optics specially designed for LightGraphix guarantee excellent beam spread and shape
- Recessed LED position for reduced glare
- 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°, 48°, 36° x 12°

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)	107	146	195	130	177	237
Lumens per circuit watt	89	86	81	108	104	99

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, LD72M-500)

Materials Anodised & painted aluminium body, bezel

Glass 1.2mm thick borosilicate (IP54 version only)

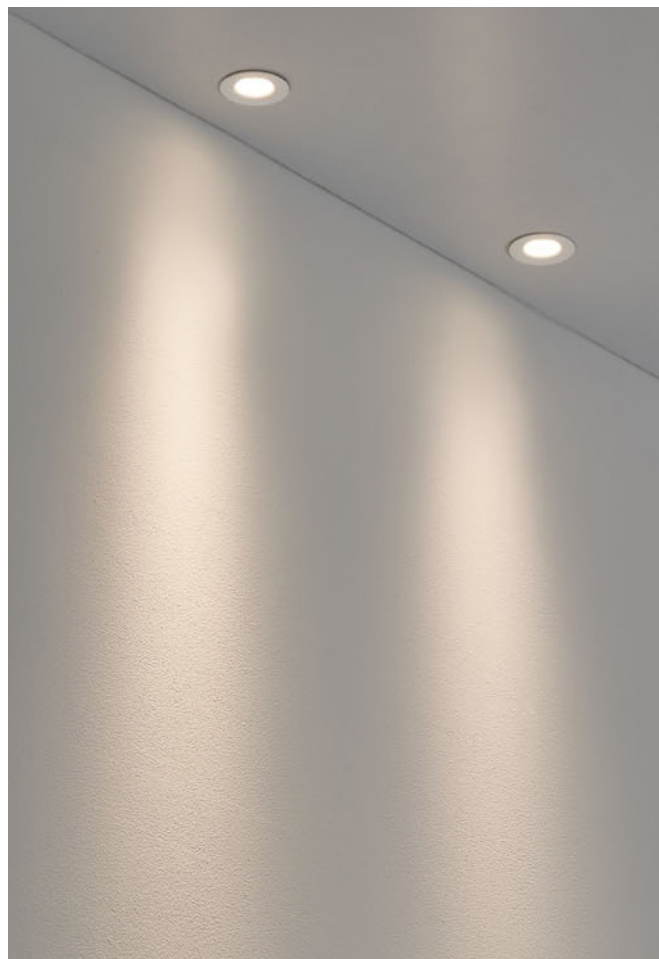
Wiring Comes pre-wired with 2x 200mm single core lead, can be specified with up to 3m of single core cable at extra cost

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)



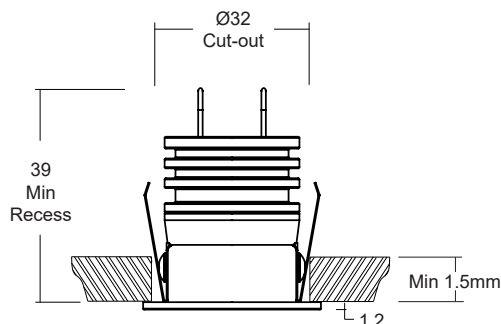
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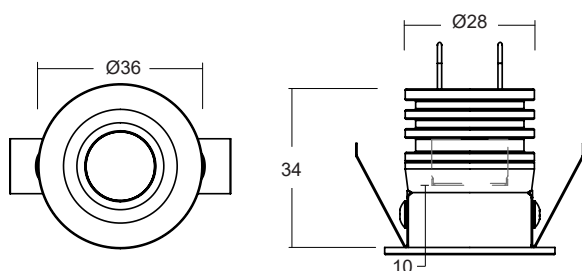
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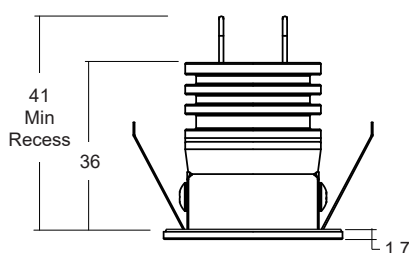
Dimensions and Fixing Options



LED and optic position recessed by 10mm for reduced glare.



IP54 rated version is supplied with an extra gasket which sits between the bezel and the mounting surface.



Photometrics

Photometric files are included in the design pack which can be downloaded from the LD72M product page on the website.

Order Codes and Options

Product code	LED colour	Beam angle	IP Rating	Finish
- 350 - 500 LD72M-700				

Example: LD72M-700 / LW30 / MB / IP54 / White

Product codes with output options

1.2W LED at 350mA	LD72M-350
1.7W LED at 500mA	LD72M-500
2.4W LED at 700mA	LD72M-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

*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
48° wide	/WB
38° x 12° Oval	/OB

IP Rating

IP40 (dry internal use as standard)	/IP40
IP54 rated for moist environments	/IP54

Bezel finish options

Paint finish silver / black / white (RAL 9016) / 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 LD72M-350 in series use a TXDEL350D (0-10V dimmable)
 To run 1-14 LD72M-500 in series use a TXDEL500D (0-10V dimmable)
 To run 1-13 LD72M-700 in series use a TXDEL700D (0-10V dimmable)