

# LD71M



## Miniature Adjustable Low Glare LED Downlight

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The new LD71M is 12mm smaller in diameter than the LD71 it replaces. It is a miniature, adjustable LED downlight, ideal for display, niches or general downlighting effects. It is very discreet with the LED set back by 10mm to reduce glare, with a maximum tilt of 25° 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
- Adjustable with a 25° tilt
- 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 spring clip fixings
- Simple and fast installation
- Available with Switch, 0-10V, DMX, DALI or mains dimmable drivers

### Specification

#### Applications



Beam Angles	12°, 31°, 48°					
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) <sub>100</sub>	3.0V	3.2V	3.4V	3.0V	3.2V	3.4V
Delivered lumens** (L <sub>100</sub> )	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, LD71M-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)



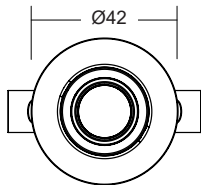
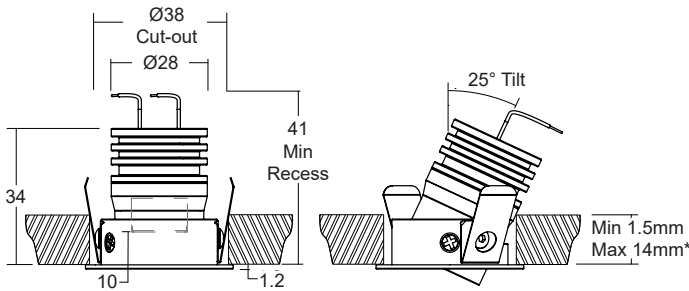
## LD71M

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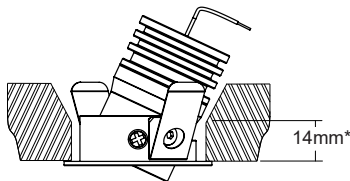
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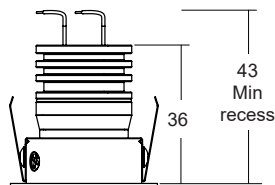
## Dimensions and Fixing Options



\*For mounting surfaces over 14mm, use the detail below to allow for full fitting adjustment



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 LD71M product page on the website.

## Order Codes and Options

Product code	LED colour	Beam angle	IP Rating	Finish
LD71M-350 -500 -700	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Example: LD71M-700 / LW30 / MB / IP54 / White

## Product codes with output options

1.2W LED at 350mA	LD71M-350
1.7W LED at 500mA	LD71M-500
2.4W LED at 700mA	LD71M-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

## IP Rating

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

## Bezel finish options

Paint finish silver / white (RAL 9016) / antique bronze / satin antique brass / satin brass / black (RAL 9005) / anthracite grey (RAL 7016) / RAL finish

Chrome finish (minimum order - please contact us)

## Use with 350mA, 500mA &amp; 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 LD71M-350 in series use a TXDEL350D (0-10V dimmable)

To run 1-14 LD71M-500 in series use a TXDEL500D (0-10V dimmable)

To run 1-13 LD71M-700 in series use a TXDEL700D (0-10V dimmable)