LD71M

Miniature Adjustable Low Glare LED Downlight

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

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			

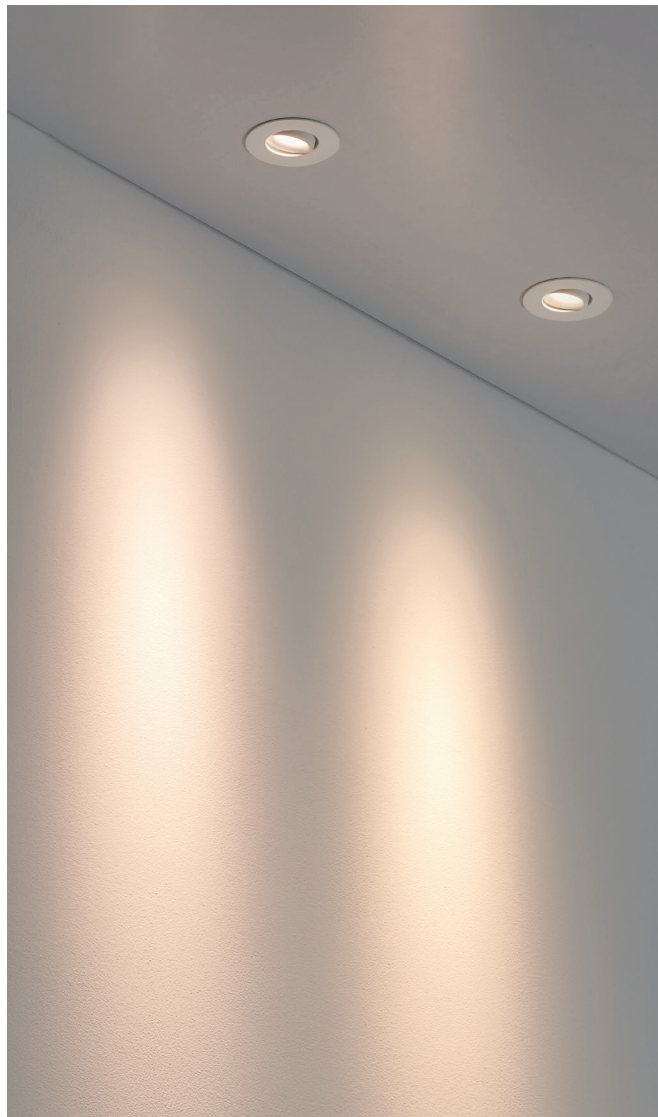| Beam Angles	12°, 31°, 48°		
LED type	1 x C1 Engine with NICHIA LED		
Colour temperature	2200K / 2700K / 3000K / 4000K / 5000K		
Drive Current (mA)	350	500	700
LED power* (W)	1.2W	1.7W	2.4W
CRI (typical)	93	93	93
Forward voltage (V)$_{100}$	3.0V	3.2V	3.4V
Delivered lumens** (L$_{100}$)	112	146	196
Lumens per circuit watt	94	86	82
LED lifetime	L90B5 at 90,000hrs		
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
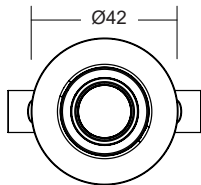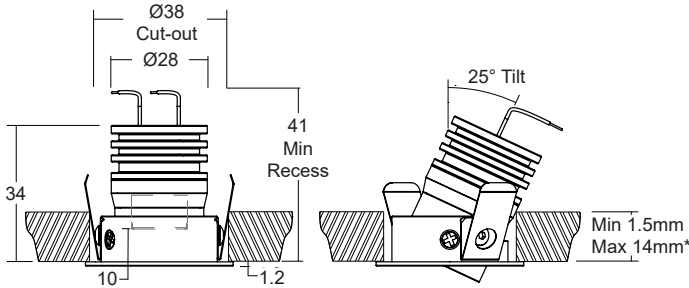** Lumen output data applies to all colour temperatures.

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Dimensions and Fixing Options

Ø38 Cut-out
Ø28
41 Min Recess
34
10   1.2

25° Tilt
Min 1.5mm Max 14mm*

Ø42
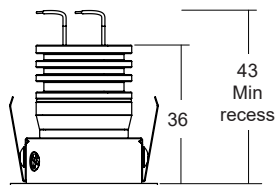
*For mounting surfaces over 14mm, use the detail below to allow for full fitting adjustment

14mm*
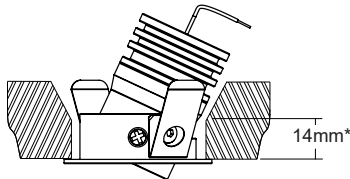
IP54 rated version includes a glass front and a gasket that sits between the heat-sink and the bezel

43 Min recess
36

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-C1 - 350 - 500 - 700	/	/	/	/

Example: LD71M-C1-700 / LW30 / MB / IP54 / White

Product codes with output options

1.2W LED at 350mA	**LD71M-C1-350**
1.7W LED at 500mA	**LD71M-C1-500**
2.4W LED at 700mA	**LD71M-C1-700**

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
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 & 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-C1-350 in series use a TXDEL350D (0-10V dimmable)
To run 1-14 LD71M-C1-500 in series use a TXDEL500D (0-10V dimmable)
To run 1-13 LD71M-C1-700 in series use a TXDEL700D (0-10V dimmable)

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