LD74SR

350 mA   500 mA   IP54   F

High power Ultra shallow Recessed Downlight

Data sheet - Page 1

The LD74SR is part of a new range of ultra shallow, high power downlights designed to fit into ceilings with a minimal recess depth. The innovative horizontal heatsink plate combined with low profile optics ensure that the LD74SR fits into a ceiling depth of only 40mm, whilst delivering over 357lm, making it ideal for general lighting or display applications. Originally designed for yacht installations, this fitting can be specified with an extra red LED for night time navigation. It is rated IP54 as standard making it ideal for use in wet environments.

Key Features

- Only 40mm ceiling depth required
- 357 delivered lumens
- Innovative horizontal heatsink plate
- High power to size ratio
- Recessed LED position for reduced glare
- 93 CRI LEDs
- IP54 as standard
- Hidden fixing with spring clips
- Developed for simple, quick installation
- Available with Switch, 0-10V, DMX, Dali or Mains dimmable drivers

Specification

Applications					
Beam Angles	22°, 30°, 40°				
LED type	3 x Cree XPG2				

Colour temperature	2700K** / 3000K		5000K	
Drive Current (mA)	350	500	350	500
LED power* (W)	3.6	5.1	3.6	5.1
CRI (typical)	93	93	75	75
Forward voltage (V)$_{100}$	9.0V	9.6V	9.0V	9.6V
Delivered lumens** (L$_{100}$)	262	357	318	434
Lumens per circuit watt	77	71	94	87

| 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 350mA max, LD74SR-350)
Materials	Anodised aluminium body, stainless steel spring clips
Wiring	Comes pre-wired with either a 2 core or 4 core 350mm lead, can be specified with up to 10m at extra cost
Glass	1.2mm thick borosilicate
IP rating	IP54

*LED wattage includes losses associated with using an 85% efficient driver
**2700K lumen output is 12% lower than the 3000K figure listed
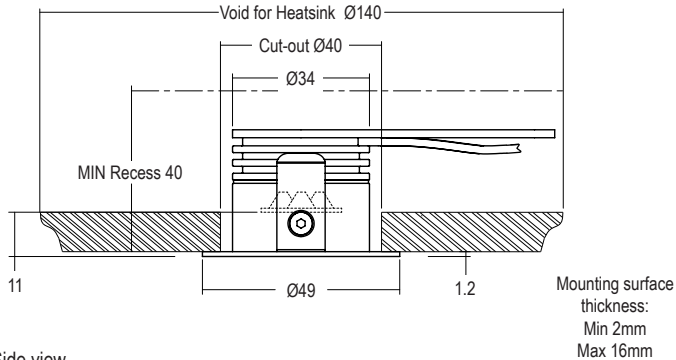   4000K lumen output is 14% higher than the 3000K figure listed (80 CRI)

MADE IN BRITAIN   Lloyd's Register
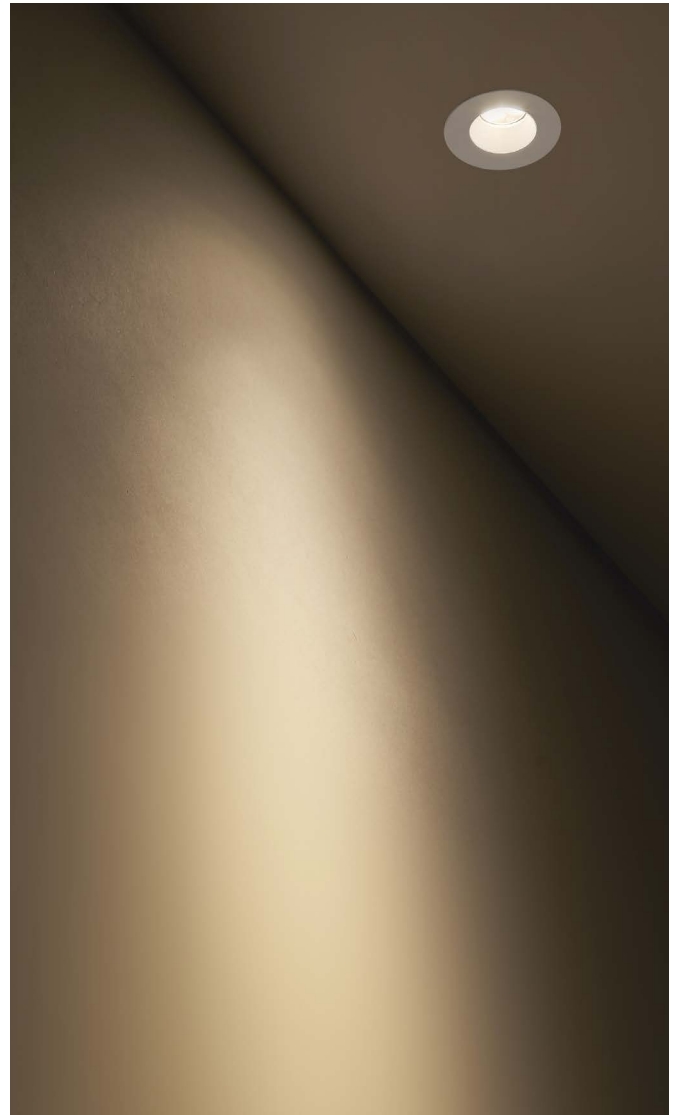
LD74SR

High power Ultra shallow Recessed Downlight

350 mA   500 mA   IP54   F

Data sheet - Page 2

Dimensions

Cross section view

Void for Heatsink Ø140
Cut-out Ø40
Ø34
MIN Recess 40
11   Ø49   1.2

Mounting surface thickness:
Min 2mm
Max 16mm

Side view

Ø34
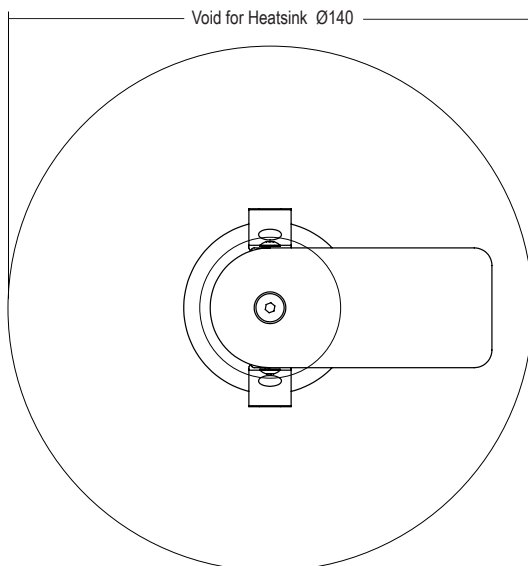
Top view

Void for Heatsink Ø140
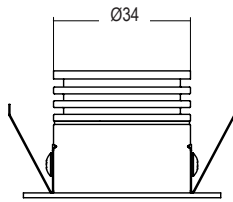
Photometrics

Photometric files are included in the design pack which can be downloaded from the LD74SR product page on the website.

Red navigation circuit

For yacht applications in areas where a night time red navigation light is required, the LD74SR can be supplied with the standard 3 white light LED cluster and an additional single red LED on a second circuit. It is supplied with a 4 core cable (2 circuits) and requires 2 drivers. Please see our driver guide for the quantities of LD74SRs that each driver can run.

Order Codes and Options

Product code	LED colour	Beam angle	Finish
LD74SR - 350 / - 500			

Example: LD74SR-350 / LW30+LR / MB / White

Product codes with output options

350mA 3.6W	**LD74SR-350**
500mA 5.1W	**LD74SR-500**

LED colour options

Extra Warm White (2700K)	/LW27
Warm White (3000K)	/LW30
White (4000K) - on request	/LW40
Cool White (5000K)	/LW50
Optional secondary red navigation circuit	/LW**+LR
Blue	/LB
Green	/LG
Red	/LR
Amber	/LA

Beam / lens angle options

22° narrow spot	/NB
30° medium	/MB
40° wide	/WB

Finish options

Bezel - Paint finish white (RAL 9016) / black / RAL

Chrome finish (minimum order - please contact us)

Use with 350mA, 500mA and 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 1-2 LD74SR-350 in series use a TXDEL350D (0-10V dimmable)
To run 1-2 LD74SR-500 in series use a TXDEL500D (0-10V dimmable)

MADE IN BRITAIN   Lloyd's Register