

# LD74SR



## High power Ultra shallow Recessed Downlight

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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 C1 Engine with NICHIA LED

#### Colour temperature

2200K / 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) <sub>100</sub>     | 9.0V | 9.6V | 9.0V | 9.6V |
| Delivered lumens** (L <sub>100</sub> ) | 262  | 357  | 318  | 434  |
| Lumens per circuit watt                | 77   | 71   | 94   | 87   |

#### LED lifetime

L90B5 at 90,000hrs

#### 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

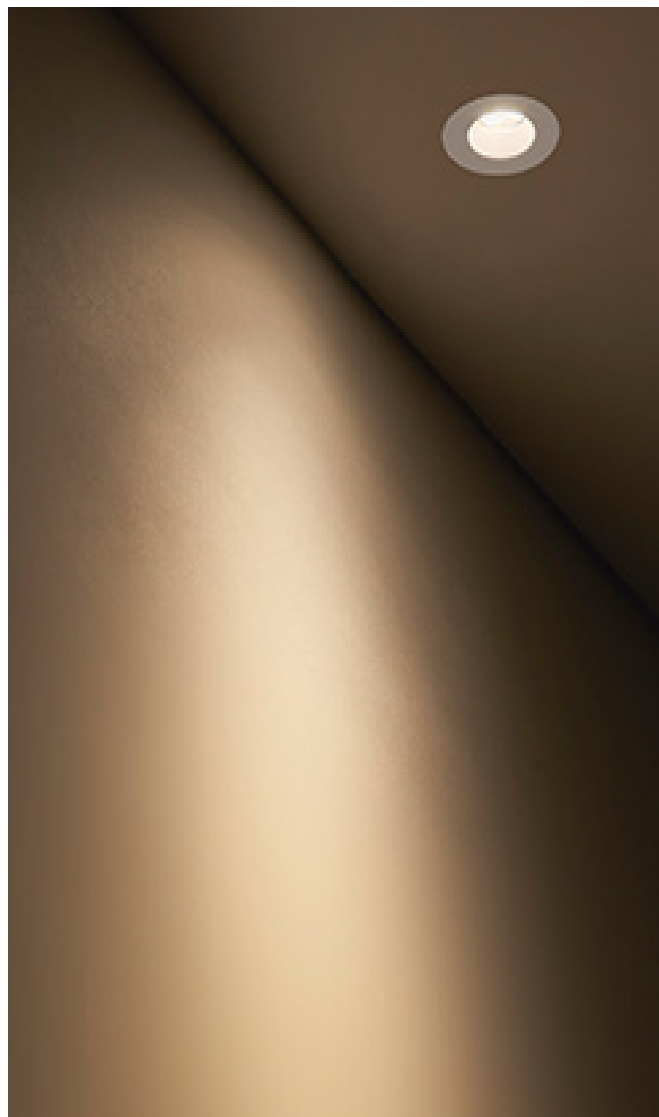
1.2mm thick borosilicate

#### IP rating

IP54

\*LED wattage includes losses associated with using an 85% efficient driver

\*\* Lumen output data applies to all colour temperatures.



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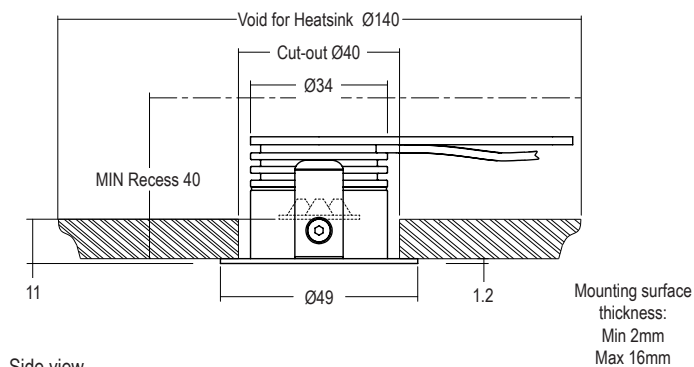
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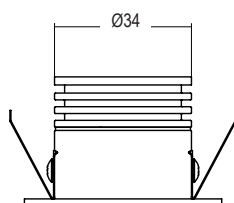


## Dimensions

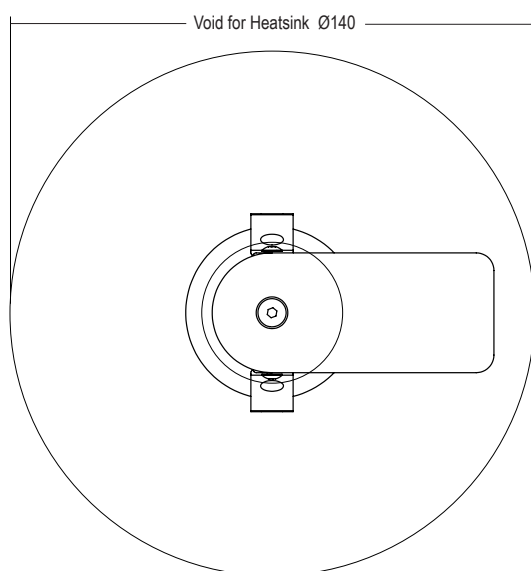
Cross section view



Side view



Top view



## 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-C1 - 350<br>- 500 |            |            |        |

Example: LD74SR-C1-350 / 930+LR / MB / White

### Product codes with output options

|            |               |
|------------|---------------|
| 350mA 3.6W | LD74SR-C1-350 |
| 500mA 5.1W | LD74SR-C1-500 |

### LED colour options

|                                           |         |
|-------------------------------------------|---------|
| Super Warm White (2200K)                  | /922    |
| Extra Warm White (2700K)                  | /927    |
| Warm White (3000K)                        | /930    |
| White (4000K) - on request                | /940    |
| Cool White (5000K)                        | /950    |
| Optional secondary red navigation circuit | /9**+LR |
| 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

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

### Finish options

Paint finish silver / black / white (RAL 9016) / antique bronze / satin antique brass / satin brass / RAL finish

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 1-4 LD74SR-C1-350 in series use a TXDEL350D (0-10V dimmable)

To run 1-4 LD74SR-C1-500 in series use a TXDEL500D (0-10V dimmable)