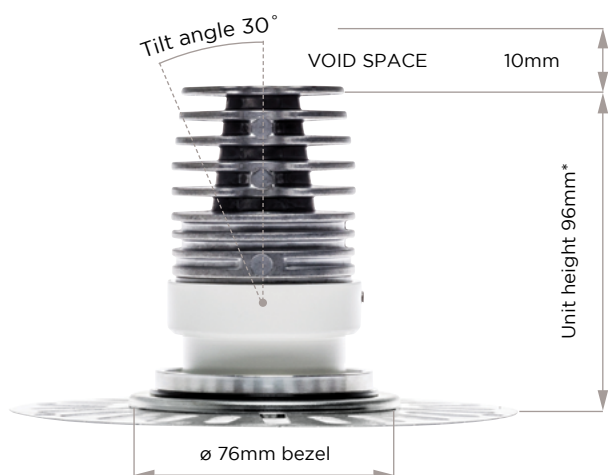


# Mini Plaster-in Recessed Tilt & Rotate 76mm



\*Low void option available to give a unit height of 82mm.

ø 80mm cut out.

This product tilts 30 degrees and rotates 360 degrees within the fitting.

This product is part of the Mini family. The carrier is skimmed (3mm) into the ceiling and the bezel discretely fits in to the carrier using mag nets. This makes the bezel flush with the plaster to make the product discrete.

These products have an 18mm deep black baffle and white light textured powder-coated outer bezel. This product has a baffle which stops 0.8mm short of the bezel giving a lighter effect in the ceiling than a full length baffle.

#### Data Specification

**Beam angle** 10°/20°/30°/46° **CRI** 85 **UGR (glare index)** 17.0

**Colour consistency** 1.5 MacAdam Ellipse

#### SPARKLE

Looking for the intense sparkle produced by a multi-point light source combined into a single, brilliant beam? Then look no further.

Our patented mixing chamber pairs a metalised reflector with a prismatic glass lens to mimic the stunning effect achieved with halogen dichroic. We are not aware of any other product in the market which achieves this, making our products well-known for their sparkle.

#### COLOUR CONSISTENCY

Our colour temperature consistency is guaranteed to be less than a young human eye can differentiate. At 1.5 MacAdam ellipse our consistency is the best available in the market - including remote phosphor products.

#### MAKING IT SIMPLE

To make choosing Orluna even simpler, our range is entirely modular so all our light engines work with all our bezels - specifying has never been easier.

#### FIRE-RATING

All the products in our range (excluding only the Recessed Square bezel) are available with an independent 60 minute fire-rating.

#### IP-RATING

All products are IP44 as a minimum. All our fixed products are available with IP65 rating.

#### BESPOKE BEZELS AND FINISHES

As a UK manufacturing business, bespoke products and finishes are available. For example, whilst all products come with a light textured white powder-coat paint as standard, any bezel or baffle is available in any RAL colour. Most products are also available in brushed and polished chrome as well as anodised finishes depending on bezel material.

#### LOW VOID INSTALLATIONS

A low-void heatsink option is available - please see dimension drawing above for clearance measurements. Specifying has never been easier.



**ORLUNA®**  
Expertly Focused

**Helpline**  
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# Mini Plaster-in Recessed Tilt & Rotate 76mm

| LED ENGINE        | QUAD50 |
|-------------------|--------|
| Light Source      | Cree   |
| Delivered Lumens* | 602lm  |
| Lumens c/w        | 51     |
| Circuit Watts     | 11.8w  |
| CRI               | 85     |

| QUAD50 - 20° |               |                    |
|--------------|---------------|--------------------|
| 1.0m         | 0.4m          | 2,163.2            |
| 1.5m         |               | 961.4              |
| 2.0m         | 0.7m          | 540.8              |
| 2.5m         |               | 346.1              |
| 3.0m         | 1.1m          | 240.4              |
| Distance     | Cone diameter | Illuminance lux 0° |

| QUAD50 - 30° |               |                    |
|--------------|---------------|--------------------|
| 1.0m         | 0.4m          | 1,143.7            |
| 1.5m         |               | 508.3              |
| 2.0m         | 0.8m          | 285.9              |
| 2.5m         |               | 183.0              |
| 3.0m         | 1.3m          | 127.1              |
| Distance     | Cone diameter | Illuminance lux 0° |

| QUAD50 - 46° |               |                    |
|--------------|---------------|--------------------|
| 1.0m         | 0.6m          | 733.7              |
| 1.5m         |               | 326.1              |
| 2.0m         | 1.3m          | 183.4              |
| 2.5m         |               | 117.4              |
| 3.0m         | 1.9m          | 81.5               |
| Distance     | Cone diameter | Illuminance lux 0° |

| LED ENGINE        | QUAD70 |
|-------------------|--------|
| Light Source      | Cree   |
| Delivered Lumens* | 810lm  |
| Lumens c/w        | 65     |
| Circuit Watts     | 12.4w  |
| CRI               | 85     |

| QUAD70 - 20° |               |                    |
|--------------|---------------|--------------------|
| 1.0m         | 0.4m          | 2,910.6            |
| 1.5m         |               | 1,293.6            |
| 2.0m         | 0.7m          | 727.7              |
| 2.5m         |               | 465.7              |
| 3.0m         | 1.1m          | 323.5              |
| Distance     | Cone diameter | Illuminance lux 0° |

| QUAD70 - 30° |               |                    |
|--------------|---------------|--------------------|
| 1.0m         | 0.4m          | 1,538.9            |
| 1.5m         |               | 683.9              |
| 2.0m         | 0.8m          | 384.7              |
| 2.5m         |               | 246.2              |
| 3.0m         | 1.3m          | 171.0              |
| Distance     | Cone diameter | Illuminance lux 0° |

| QUAD70 - 46° |               |                    |
|--------------|---------------|--------------------|
| 1.0m         | 0.6m          | 987.2              |
| 1.5m         |               | 438.8              |
| 2.0m         | 1.3m          | 246.8              |
| 2.5m         |               | 117.4              |
| 3.0m         | 1.9m          | 158.0              |
| Distance     | Cone diameter | Illuminance lux 0° |

| LED ENGINE        | 10DEG |
|-------------------|-------|
| Light source      | Cree  |
| Delivered Lumens* | 173lm |
| Lumens c/w        | 27    |
| Circuit Watts     | 6.4w  |
| CRI               | 85    |

| 10DEG - 10° |               |                    |
|-------------|---------------|--------------------|
| 1.0m        | 0.1m          | 6,402.2            |
| 1.5m        |               | 2,845.4            |
| 2.0m        | 0.2m          | 1,600.5            |
| 2.5m        |               | 1,024.3            |
| 3.0m        | 0.4m          | 711.4              |
| Distance    | Cone diameter | Illuminance lux 0° |

\*Delivered lumens is measured post-optic and certified by LUX-TSI Ltd. May 2013

## DIMMING

Our expert focus also means that we have full, up-to-date dimming compatibility charts - please see [www.orluna.com/dimming](http://www.orluna.com/dimming)

# Mini Plaster-in Recessed Tilt & Rotate 76mm

|  |        | QUAD50 - PR - 2938 - 46 - ND - RAL |
|--|--------|------------------------------------|
| <b>LIGHT ENGINE</b>                                  |        |                                    |
| QUAD50   | QUAD50 |                                    |
| QUAD70   | QUAD70 |                                    |
| 10DEG  | 10DEG  |                                    |
| <b>BEZEL</b>   |        |                                    |
| Mini Recessed Fixed 76mm                             | MRF    |                                    |
| Mini Recessed Tilt 76mm                              | MRT    |                                    |
| Mini Flush Fixed 76mm                                | MFF    |                                    |
| Mini Flush Tilt 76mm                                 | MFT    |                                    |
| Mini Wall-Wash Snoot 76mm                            | MW     |                                    |
| Mini Plaster-in Recessed Fixed 76mm                  | PF     |                                    |
| Mini Plaster-in Recessed Tilt & Rotate 76mm          | PR     |                                    |
| Mini Plaster-in Recessed Fixed Twin 2 x 76mm         | PF2    |                                    |
| Mini Plaster-in Recessed Tilt & Rotate Twin 2 x 76mm | PR2    |                                    |
| <b>COLOUR TEMPERATURE</b>                            |        |                                    |
| 2700K (any light engine)                             | 2700   |                                    |
| 2938K (QUAD50 or QUAD70 - not 10 Degree)             | 2938   |                                    |
| 4000K (only QUAD70)                                  | 4000   |                                    |
| 5000K (only QUAD70)                                  | 5000   |                                    |
| <b>BEAM ANGLES</b>                                   |        |                                    |
| 10 Degree  | 10     |                                    |
| 20 Degree  | 20     |                                    |
| 30 Degree  | 30     |                                    |
| 46 Degree  | 46     |                                    |
| <b>POWER SUPPLY UNIT</b>                             |        |                                    |
| Non-dimmable   | ND     |                                    |
| Mains dimmable                                       | DIM    |                                    |
| 1-10   | 1-10   |                                    |
| DALI   | DALI   |                                    |
| DMX  | DMX    |                                    |
| 3hr emergency pack                                   | EMG    |                                    |
| <b>VARIANTS</b>                                      |        |                                    |
| 60 Minute Fire Rating                                | F      |                                    |
| Low Profile Heat Sink                                | LP     |                                    |
| Any Colour RAL Bezel                                 | RAL    |                                    |
| Brushed Chrome Bezel                                 | BCH    |                                    |
| Polished Chrome Bezel                                | PCH    |                                    |
| Non-textured RAL 9010 Bezel                          | NT     |                                    |
| Bespoke Baffle Colour*                               | BAF    |                                    |
| Molex on Luminaire and Flying Lead with Molex        | MOLEX  |                                    |
| Pre-wire   | PW     |                                    |
| Spreader Lens  | SPR    |                                    |
| Anti-glare Honeycomb Louvre                          | HNY    |                                    |

\*Bespoke baffles are available in any RAL colour, satin and gold.



All Orluna products are designed and manufactured in the UK.



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