

# Endor Square

SPECIFICATION DOCUMENT



5 YR  
WARRANTY

100  
LM/W

IP20

CUSTOM  
OPTIONS

CRI  
>90

UGR

## Overview

Square downlight in four sizes with a variety of options regarding beam angles, reflectors, colour temperatures, light distribution and dimming. High performance CREE COB LED modules and Tridonic drivers ensure an excellent performance and the variants allow a truly unique lighting environment using a single range of customisable luminaires.

Design options:

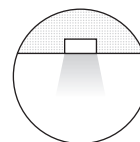
ROUND

ROUND  
RIMLESS

SQUARE



# RICOMAN®



Finish: ☐ Matte White RAL9016

Reflector: ☐ Polished Chrome

☐ Matte Silver

☐ Titanium

Power: 12W – 42W

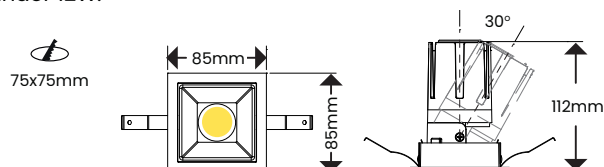
Kelvin: 3000K 4000K

Tunable white 2700–6500

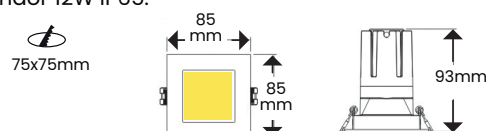
Options: Standard IP20 housing  
Special IP65 housing  
DALI 2  
CASAMBI  
EMERGENCY  
Honeycomb Diffuser

## Technical Drawings

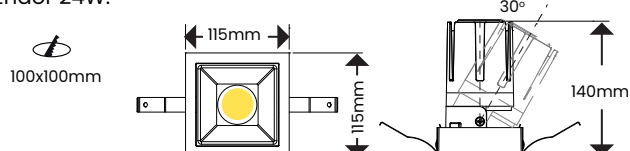
Endor 12W:



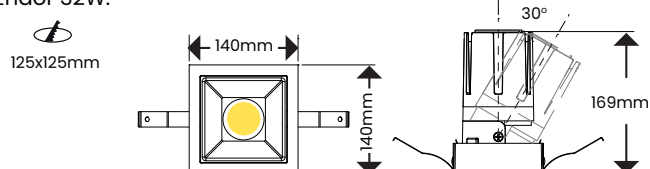
Endor 12W IP65:



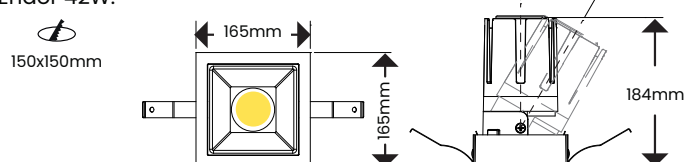
Endor 24W:



Endor 32W:



Endor 42W:



## Overview

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| Applications          | Interior                                                     |
| Construction Material | Aluminium                                                    |
| Diffuser Type         | PMMA as standard, honeycomb louvre as optional - TP(a) rated |
| IP Rating             | IP20                                                         |
| Mounting              | Recessed                                                     |
| Ambient Temperature   | -20°C to +45°C<br>(0°C to 40°C for emergency)                |
| Warranty              | 5 years                                                      |

## Luminaire Output

|                    |                 |
|--------------------|-----------------|
| Colour Temperature | 3000K   4000K   |
| CRI                | >90 Ra          |
| Efficacy           | ~100 Lm/W       |
| Beam Angle         | 15°   38°   55° |
| Operating Hours    | 50,000          |
| Macadam Ellipse    | ≤3 sdcm         |
| L70 B50            | 100,000 hours   |
| LEDs               | Single bin CREE |

## Supply & Power

|                      |            |
|----------------------|------------|
| Voltage Range        | AC220-240V |
| Power Factor         | >0.90      |
| Inrush Current       | <60A       |
| Protection Class IEC | Class II   |
| Driver               | Remote     |
| Cable entry          | Back       |

## Product Codes & Specifications

| Code (Downlight) | Beam Angle | Reflector Finish | Wattage | Lumens<br>(at 4000K) | Running<br>Current | Cutout<br>(mm) | Weight<br>(kg) |
|------------------|------------|------------------|---------|----------------------|--------------------|----------------|----------------|
| R0966A1B1C3F1    | 15°        | Titanium         | 12W     | 1201                 | DC300mA            | 75 x 75        | 0.50           |
| R0966A1B1C3F3    | 15°        | Matte Silver     |         |                      |                    |                |                |
| R0966A1B1C3F2    | 15°        | Polished Chrome  |         |                      |                    |                |                |
| R0966A1B2C3F1    | 38°        | Titanium         |         |                      |                    |                |                |
| R0966A1B2C3F3    | 38°        | Matte Silver     |         |                      |                    |                |                |
| R0966A1B2C3F2    | 38°        | Polished Chrome  |         |                      |                    |                |                |
| R0966A1B3C3F1    | 55°        | Titanium         |         |                      |                    |                |                |
| R0966A1B3C3F3    | 55°        | Matte Silver     |         |                      |                    |                |                |
| R0966A1B3C3F2    | 55°        | Polished Chrome  |         |                      |                    |                |                |
| R0966A2B4C8F4    | 15°        | Titanium         | 24W     | 2405                 | DC600mA            | 100 x 100      | 0.84           |
| R0966A2B4C8F6    | 15°        | Matte Silver     |         |                      |                    |                |                |
| R0966A2B4C8F5    | 15°        | Polished Chrome  |         |                      |                    |                |                |
| R0966A2B5C8F4    | 38°        | Titanium         |         |                      |                    |                |                |
| R0966A2B5C8F6    | 38°        | Matte Silver     |         |                      |                    |                |                |
| R0966A2B5C8F5    | 38°        | Polished Chrome  |         |                      |                    |                |                |
| R0966A2B6C8F4    | 55°        | Titanium         |         |                      |                    |                |                |
| R0966A2B6C8F5    | 55°        | Matte Silver     |         |                      |                    |                |                |
| R0966A2B6C8F6    | 55°        | Polished Chrome  |         |                      |                    |                |                |
| R0966A3B7C11F7   | 15°        | Titanium         | 32W     | 3191                 | DC800mA            | 125 x 125      | 1.25           |
| R0966A3B7C11F9   | 15°        | Matte Silver     |         |                      |                    |                |                |
| R0966A3B7C11F8   | 15°        | Polished Chrome  |         |                      |                    |                |                |
| R0966A3B8C11F7   | 38°        | Titanium         |         |                      |                    |                |                |
| R0966A3B8C11F9   | 38°        | Matte Silver     |         |                      |                    |                |                |
| R0966A3B8C11F8   | 38°        | Polished Chrome  |         |                      |                    |                |                |
| R0966A3B9C11F7   | 55°        | Titanium         |         |                      |                    |                |                |
| R0966A3B9C11F9   | 55°        | Matte Silver     |         |                      |                    |                |                |
| R0966A3B9C11F8   | 55°        | Polished Chrome  |         |                      |                    |                |                |
| R0966A4B10C14F10 | 15°        | Titanium         | 42W     | 4198                 | DC1050mA           | 150 x 150      | 1.75           |
| R0966A4B10C14F12 | 15°        | Matte Silver     |         |                      |                    |                |                |
| R0966A4B10C14F11 | 15°        | Polished Chrome  |         |                      |                    |                |                |
| R0966A4B11C14F10 | 38°        | Titanium         |         |                      |                    |                |                |
| R0966A4B11C14F12 | 38°        | Matte Silver     |         |                      |                    |                |                |
| R0966A4B11C14F11 | 38°        | Polished Chrome  |         |                      |                    |                |                |
| R0966A4B12C14F10 | 55°        | Titanium         |         |                      |                    |                |                |
| R0966A4B12C14F12 | 55°        | Matte Silver     |         |                      |                    |                |                |
| R0966A4B12C14F11 | 55°        | Polished Chrome  |         |                      |                    |                |                |

| IP65 Downlight<br>Code | Wattage | Beam<br>Angle | Cutout<br>(mm) |
|------------------------|---------|---------------|----------------|
| R0966A1B1C5            | 12W     | 15°           | 75mm           |
| R0966A1B2C5            |         | 38°           |                |
| R0966A1B3C5            |         | 55°           |                |



Endor IP65

## Options

| Suffix     | Option                      |
|------------|-----------------------------|
| /3K        | 3000K                       |
| /4K        | 4000K                       |
| /DH        | Mains dimming               |
| /DD        | DALI dimming                |
| /DL        | 0-10V dimming               |
| /DSI       | DSI dimming                 |
| / R09-HC40 | Honeycomb louvre 40mm (12W) |
| / R09-HC55 | Honeycomb louvre 55mm (24W) |
| / R09-HC70 | Honeycomb louvre 70mm (32W) |
| / R09-HC85 | Honeycomb louvre 85mm (42W) |
| /CC        | Casambi                     |



## Additional Accessories

| Code             | Accessory                                                                          |
|------------------|------------------------------------------------------------------------------------|
| R10-03(SM)       | 3 Hour Emergency Pack                                                              |
| R10-03(SM)/DDPRO | DALI Addressable Downlight Emergency Pack                                          |
| R10-03E(SM)/Z10  | Z10 Remote control emergency kit (manual or advanced self-test)<br>Only Endor >12W |
| R10-Z10          | Z10 Emergency remote control                                                       |

Full Code Example: R0966A3B9C11F9/4K  
Endor 32W square downlight 55 degree beam, matte silver reflector in 4000K

## Photometry

