

dynamic series

Efficient. Cutting Edge. Reliable

# EMPRESS 10W Gimbal

## Recessed Downlight Tri-Colour

The EMPRESS 10W gimbal downlight is the latest LED technology, constructed with a thermal heatsink to ensure the downlight disperses heat away from the LED Chip. Used in Commercial and Residential construction projects.

EMPRESS 10W LED gimbal Downlight adopts a high lumen COB LED, and PMMA diffuser with even light output. DALI dimmable version has shown great popularity with excellent dimming effect.

Verified by Techlume Australia on 30/03/2023



### SPECIFICATIONS

#### Material Specifications

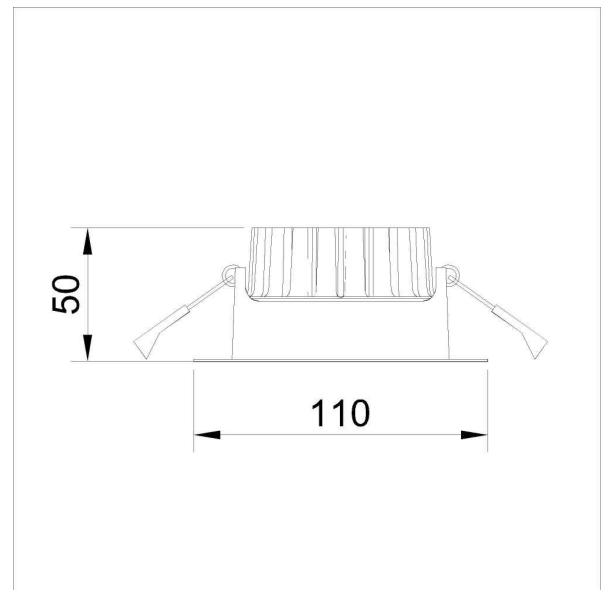
<b>Material</b>	High Grade Aluminum + Reflector
<b>Adjustment</b>	30° gimbal
<b>Dimensions</b>	110mm Face Dia x 50mm (H)
<b>Cutout</b>	90mm (Dia)
<b>Ingress Protection</b>	IP65
<b>Impact Rating</b>	IK06
<b>Warranty</b>	5 Year Replacement

#### Electrical Specifications

<b>Power Supply</b>	Dimmable
<b>System Watts</b>	9.3W - 9.7W
<b>Thermal Testing</b>	Compliant with IC Classification
<b>Input Voltage</b>	240V, 50/60Hz
<b>Operating Temperature (Ta)</b>	-20°C to +45°C
<b>Connection Method</b>	Australian Plug & 1.2m Lead

#### Optic Specifications

<b>Light Source</b>	CREE 10W COB LED
<b>Delivered Lumens</b>	898lm (3000K)
<b>Delivered Lumens</b>	978lm (4000K)
<b>Delivered Lumens</b>	960lm (5000K)
<b>Efficacy</b>	Up to 105.4 lm/W
<b>CRI</b>	Ra 93
<b>Calculated L70 (Hours)</b>	L70B50 => >60,000 Hrs
<b>Calculated L80 (Hours)</b>	L80B50 => > 60,000 Hrs
<b>Calculated L90 (Hours)</b>	L90B50 => > 56,000 Hrs



### VARIATIONS

<b>LC3599</b>	EMPRESS 10W Gimbal Downlight, Tri-Colour, White, 60°, Phase Dim, Tri-colour, 898 - 978lm
<b>LC3599B</b>	EMPRESS 10W Gimbal Downlight, Tri-Colour, Black, 60°, Phase Dim, Tri-colour, 898 - 978lm
<b>LC3599BD</b>	EMPRESS 10W Gimbal Downlight, Tri-Colour, Black, 60°, DALI, Tri-colour, 898 - 978lm