

dynamic series

Efficient. Cutting Edge. Reliable

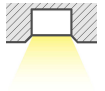
# EMPRESS 10W

## Recessed Gimbal Downlight

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



IP65



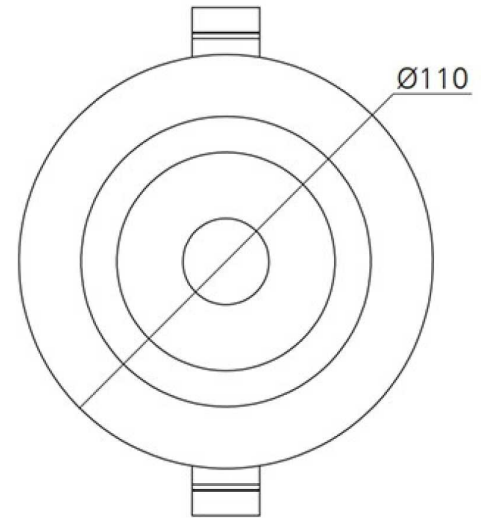
### SPECIFICATIONS

#### 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>Colour</b>	Matt White (Black & Silver available for project orders)
<b>Ingress Protection</b>	IP65
<b>Impact Rating</b>	IK06
<b>Warranty</b>	5 Year Replacement

#### Electrical Specifications

<b>Power Supply</b>	Dimmable 23-40VDC 230mA
<b>System Watts</b>	10.1W
<b>Input Voltage</b>	240V, 50/60Hz
<b>Operating Temperature (Ta)</b>	-20°C to +45°C
<b>Thermal Testing</b>	Compliant with IC Classification
<b>Protection</b>	Voltage Overload, Temp Overload, Short Circuit
<b>Connection Method</b>	Australian Plug & 1.2m Lead



#### Optic Specifications

<b>Light Source</b>	CREE 10W COB LED
<b>Delivered Lumens</b>	1,004lm (3000K)
<b>Material Specifications</b>	1,066lm (4000K)
<b>Efficacy</b>	Up to 105.8 lm/W
<b>CRI</b>	Ra 83
<b>Beam Angle</b>	60° (36° Available for Project Order)
<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>LC3597</b>	EMPRESS 10W Gimbal Downlight, White, 60°, Phase Dim, 3000K, 1,004lm
<b>LC3597-36</b>	EMPRESS 10W Gimbal Downlight, White, 36°, Phase Dim, 3000K, 1,004lm

- LC3597B** EMPRESS 10W Gimbal Downlight, Black, 60°, Phase Dim, 3000K, 1,004lm
- LC3598** EMPRESS 10W Gimbal Downlight, White, 60°, Phase Dim, 4000K, 1,066lm
- LC3598B** EMPRESS 10W Gimbal Downlight, Black, 60°, Phase Dim, 4000K, 1,066lm

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