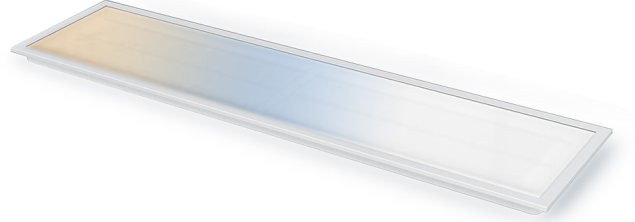


## AT6023 Series III

High Efficacy LED Backlit Panel, Tri-CCT

- Easy-to-install flex and plug
- LED driver included
- Tri-Colour
- Can be upgraded with DALI-2 dimmable driver (not included)



### ORDERING INFORMATION

<b>Order code</b>	17977
<b>Description</b>	25W LED Backlit panel 300 x 1200 - TRI-CCT - SER III
<b>Driver Power</b>	25 W
<b>Driver Type</b>	Fixed output
<b>Item Code</b>	AT6023/312/TRI

### EFFICIENCIES

**Total System Efficiency** 152 lm/W

The performance of each component of a luminaire is demonstrated through its efficiencies, which together determine the total system efficiency of the product. The output of the LED chip is first multiplied by the optical and thermal efficiencies to calculate the Luminaire efficiency. However, this calculation does not consider the driver efficiency. To determine the overall efficiency of the system, the Luminaire efficiency must be multiplied by the driver efficiency, which accounts for all losses in the system.

### MECHANICAL

<b>Adjustability</b>	Fixed
<b>Body Material</b>	Aluminium AL6063
<b>Diffuser Material</b>	Polystyrene
<b>Product Finish</b>	Powdercoated
<b>Fitting Colour</b>	White
<b>IC Rating</b>	IC-4
IC-4 rating has been conducted at the products maximum working Temperature Range (C) in line with Australian standards. This provides the required safety when covered with insulation and used in Australian Environments.	
<b>Installation Type</b>	Recessed

### IP Rating

IP54 Front Face Only

### ELECTRICAL

<b>Electrical Rating</b>	Class II
<b>Input Current</b>	0.2 A
<b>Input Frequency</b>	50 Hz
<b>Input voltage</b>	230Vac
In Australia the Input voltage is defined as 230Vac -6%/+10%. This effectively means that the voltage range of these products are 216Vac - 253Vac or 240V +6%	
<b>Maximum Wattage</b>	25 W
<b>Power Factor</b>	0.9
<b>Switch Type</b>	Inline
<b>Working Temp Range</b>	-10 to 40 °C

### LAMP

<b>Macadam Steps (SDCM)</b>	3-step MacAdam Ellipse
<b>CCT Configuration</b>	TRI-CCT
<b>Colour Rendering Index (CRI)</b>	>80
<b>Lamp/LED voltage</b>	36 V
<b>UGR</b>	<22

### COLOUR TEMPERATURE

<b>25 Watts</b>	
Warm White (3000 K)	3700 lm
Cool White (4000 K)	3800 lm
DayLight (5700 K)	3750 lm

## DRIVER

<b>Dimmable</b>	No
<b>Driver Included</b>	Yes
<b>Integrated Driver</b>	No
<b>Driver Mode</b>	Constant Current
<b>Driver Type</b>	Fixed output
<b>Flex &amp; Plug or Lead Length</b>	900 mm
<b>Wiring Type</b>	Re-wireable Flex & Plug (2 pin)

**PSTLM** 0.1

Short Term Light Modulation (PstLM): The requirement is that PstLM should be less than or equal to 1.0. This metric measures the short-term flicker severity and ensures that flicker is not perceptible or is at a level that does not cause discomfort or health issues.

**SVM** 0.4

Stroboscopic Visibility Measure (SVM): The requirement for SVM is that it should be less than or equal to 0.4. The SVM metric assesses the visibility of the stroboscopic effect, which can make moving objects appear to be stationary or moving in discrete steps, thus ensuring that this effect is minimized in lighting environments to prevent visual discomfort and safety hazards.

## ENERGY SAVINGS SCHEME

**Ipact Approval** Yes

**REES Approval** Yes

## COMPLIANCE

**Product Design Life** 10 years

The product design life relates to the total product life which includes LEDs, drivers and the enclosure. This is different to the LED lifetime which only refers to the economical lifetime of the LEDs at which time the lumen output has dropped below the L Value. The product design life is calculated at the maximum ambient or working temperature of the product and takes into account the Daily Use.

**Daily Use** 12 hrs

The Daily Use is the recommended time required to meet the product's design life. Installations can exceed this time, however the product design life will be reduced proportionally.

**Standards** AS/NZS 60598.1  
AS/NZS 60598.2.2  
AS/NZS 61347.1  
AS/NZS 61347.2.13  
AS CISPR 15

## WARRANTY

**Domestic Use Warranty** 3 RTB (Total 3 Years)

**VIP Warranty** 2 Onsite, 3 RTB (Total 5 Years)

VIP warranty is available to registered users and is subjected to additional terms and conditions.

**Warranty Operating Hours** 15000 hrs

This product is provided with a warranty up until the stated warranty period or until the stated warranty operating hours has been reached (whichever occurs first).

## DIMENSIONS

**Product Height** 32 mm

**Product Length** 1195 mm

**Product Width** 295 mm

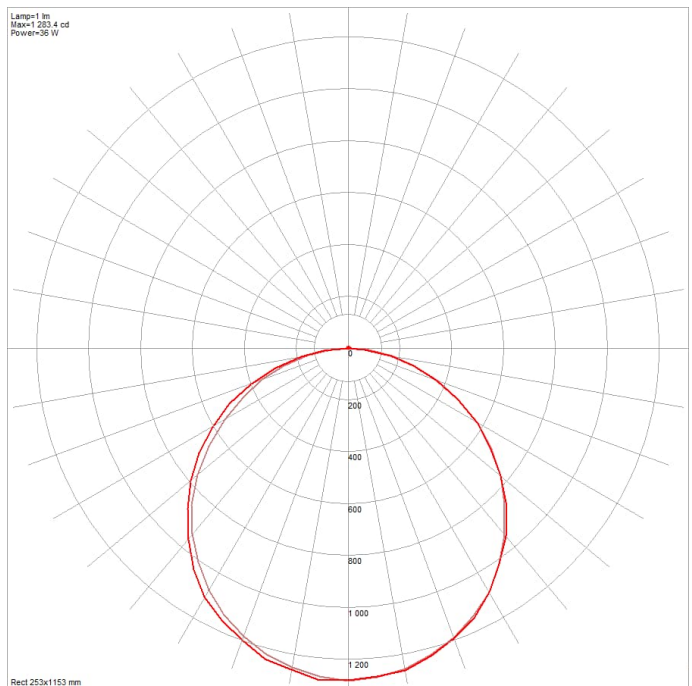
## LINE DRAWINGS

### AT6023/312

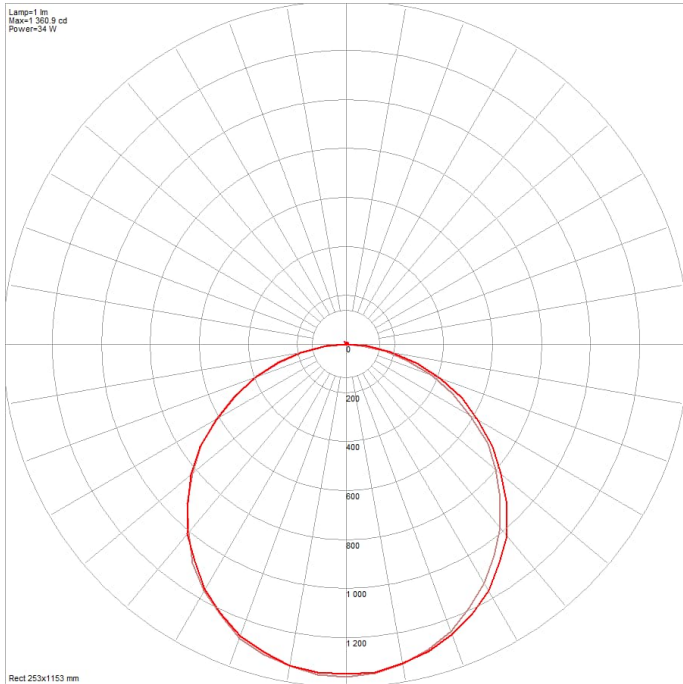


## PHOTOMETRICS

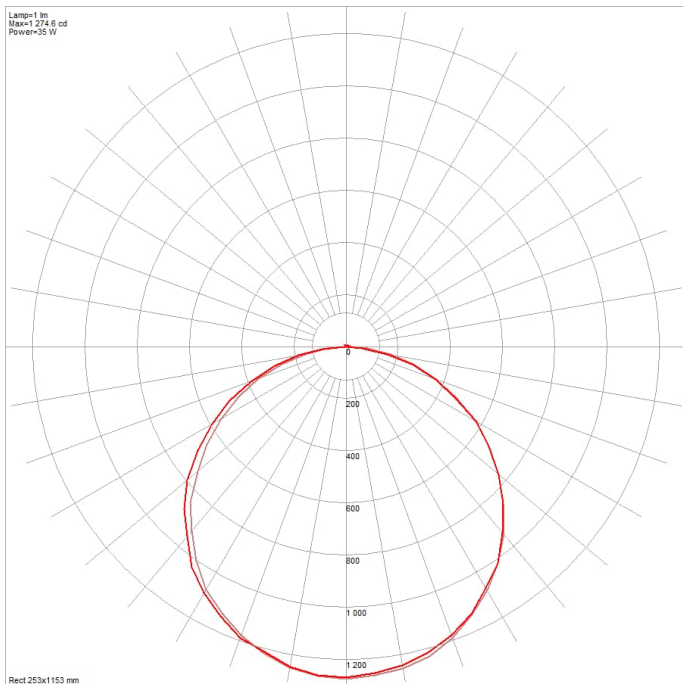
### AT6023/312 6500K



## AT6023/312 4000K



## AT6023/312 3000K



## ACCESSORIES

<b>Order code</b>	10398
<b>Description</b>	Plaster Recessed frame 300x1200 WHITE to suit panels (PRE-ASSEMBLED)
<b>Item Code</b>	AT9050/PRF/WH
<b>Order code</b>	11882
<b>Description</b>	Surface-mount one piece panel frame 300x1200mm White
<b>Item Code</b>	AT9055/312
<b>Order code</b>	11315
<b>Description</b>	1m Panel Suspension Cable Kit - 4x Striaight 1m Droppers
<b>Item Code</b>	AT9057
<b>Order code</b>	11355
<b>Description</b>	2m Y-Type Panel Suspension Kit - 2 x Y-type droppers
<b>Item Code</b>	EV-SUSPENSION-Y

**Recommended Drivers**

<b>Order code</b>	<b>Item Code</b>	<b>Description</b>
11573	<b>AT9666</b>	25W Phase Dimmable Driver 600mA to suit 606 and 312 Backlit Panels - AT6023 SER III
14935	<b>DK1-0AABBHZX00065</b>	Driver Kit - Wireless DALI+ LED driver with 1.2m 2 core flex and plug - set to 650mA
14917	<b>DK1-0AADADZX00065</b>	Driver Kit - DALI-2 LED driver with 1.2m 2 core flex and plug and 2 core flying lead - set to 650mA
14953	<b>DK1-0AAJADZX00065</b>	Driver Kit - DALI-2 LED driver with 2.4m CMS lead - set to 650mA
14971	<b>DK1-0AAKADZX00065</b>	Driver Kit - DALI-2 LED driver with 2.4m Wire-By-Click (WBC) lead - set to 650mA