

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

Order code	17979
Description	45W LED Backlit panel 600 x 1200 - TRI-CCT - SER III
Driver Power	45 W
Driver Type	Fixed output
Item Code	AT6023/612/TRI

EFFICIENCIES

Total System Efficiency 147 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

Adjustability	Fixed
Body Material	Aluminium AL6063
Diffuser Material	Polystyrene
Product Finish	Powdercoated
Fitting Colour	White
IC Rating	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.	
Installation Type	Recessed

IP Rating IP54 Front Face Only

ELECTRICAL

Electrical Rating	Class II
Input Frequency	50 Hz
Input voltage	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%	
Maximum Wattage	45 W
Power Factor	0.9
Switch Type	Inline
Working Temp Range	-10 to 40 °C

LAMP

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

COLOUR TEMPERATURE

45 Watts	
Warm White (3000 K)	6250 lm
Cool White (4000 K)	6600 lm
DayLight (5700 K)	6300 lm

DRIVER

Dimmable	No
Driver Included	Yes
Integrated Driver	No
Driver Mode	Constant Current
Driver Type	Fixed output
Flex & Plug or Lead Length	900 mm
Wiring Type	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

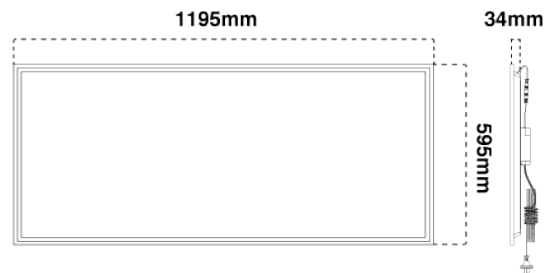
Product Height 32 mm

Product Length 1195 mm

Product Width 595 mm

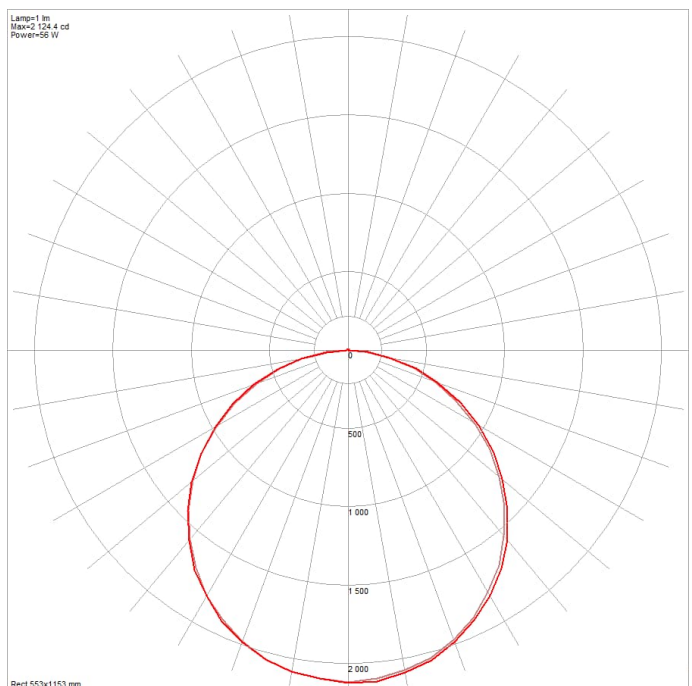
LINE DRAWINGS

AT6023/612

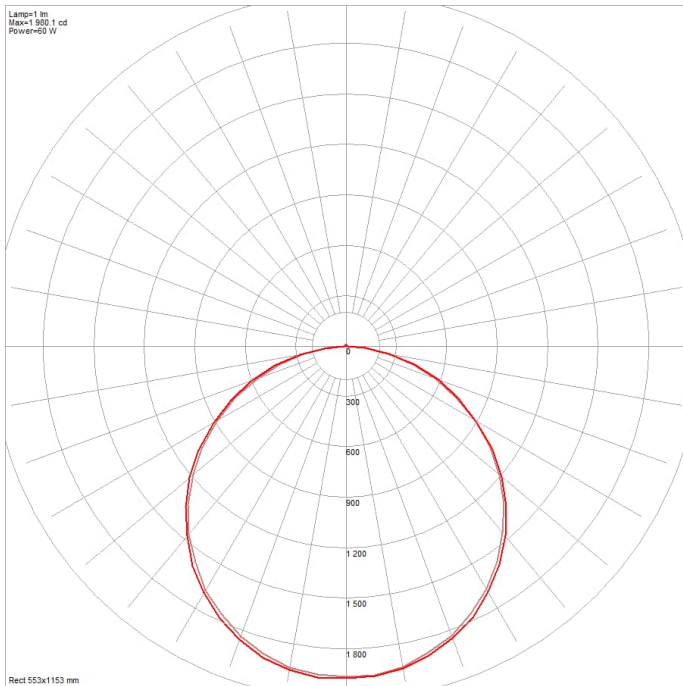


PHOTOMETRICS

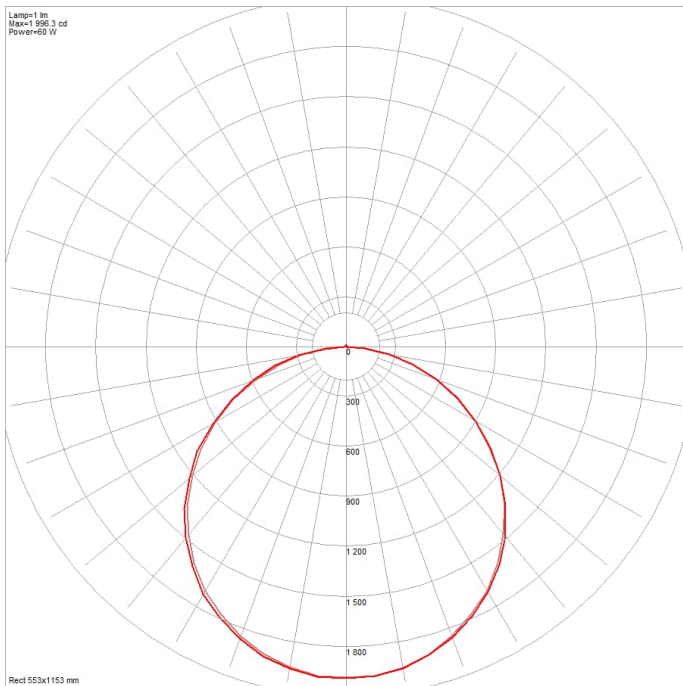
AT6023/612 4000K



AT6023/612 3000K



AT6023/612 6500K



ACCESSORIES

Order code	13856
Description	Plaster Recessed frame 600x1200 WHITE to suit Panels (PRE-ASSEMBLED)
Item Code	AT9056/PRF/WH
Order code	11315
Description	1m Panel Suspension Cable Kit - 4x Striaght 1m Droppers
Item Code	AT9057
Order code	11355
Description	2m Y-Type Panel Suspension Kit - 2 x Y-type droppers
Item Code	EV-SUSPENSION-Y

Recommended Drivers

Order code	Item Code	Description
14944	DK1-0AABBHZX00115	Driver Kit - Wireless DALI+ LED driver with 1.2m 2 core flex and plug - set to 1150mA
14926	DK1-0AADADZX00115	Driver Kit - DALI-2 LED driver with 1.2m 2 core flex and plug and 2 core flying lead - set to 1150mA
14962	DK1-0AAJADZX00115	Driver Kit - DALI-2 LED driver with 2.4m CMS lead - set to 1150mA
14980	DK1-0AAKADZX00115	Driver Kit - DALI-2 LED driver with 2.4m Wire-By-Click (WBC) lead - set to 1150mA