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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	17976
Description	14W LED Backlit panel 300 x 600 - TRI-CCT - SER III
Driver Power	14 W
Driver Type	Fixed output
Item Code	AT6023/306/TRI

EFFICIENCIES

Total System Efficiency	146 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 Current	0.13 A
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	14 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

14 Watts	
Warm White (3000 K)	1950 lm
Cool White (4000 K)	2050 lm
DayLight (5700 K)	1950 lm

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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

Ipart 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).
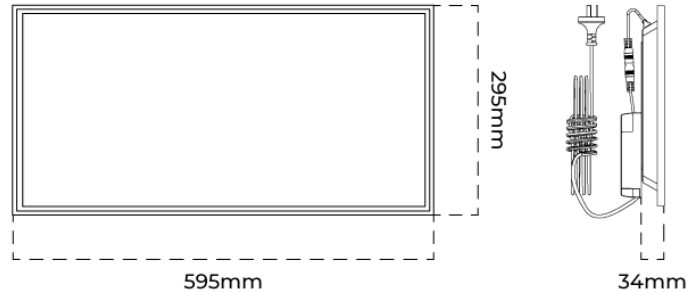
DIMENSIONS

Product Height	32 mm
Product Length	595 mm
Product Width	295 mm

LINE DRAWINGS

AT6023/306

295mm

595mm

34mm

PHOTOMETRICS

AT6023/306 3000K

Lamp=1 lm
Max=686.9 cd
Power=20 W

Rect 253x553 mm

AT6023/306 4000K

Lamp=1 lm
Max=735.3 cd
Power=19 W

Rect 253x553 mm

AT6023/306 6500K

Lamp=1 lm
Max=690.8 cd
Power=20 W

Rect 253x553 mm
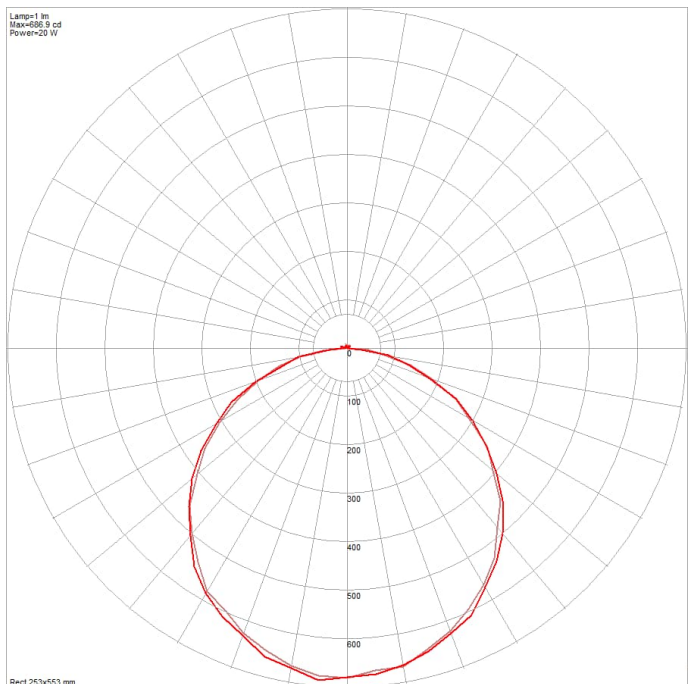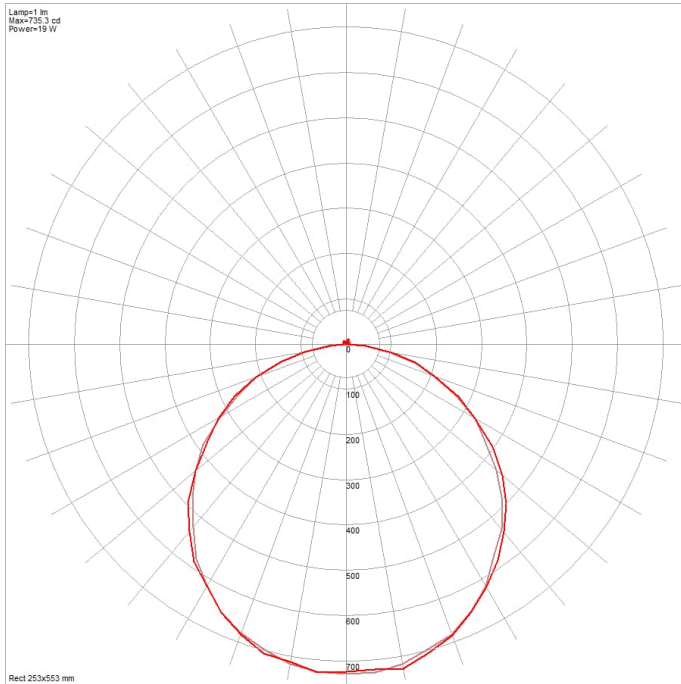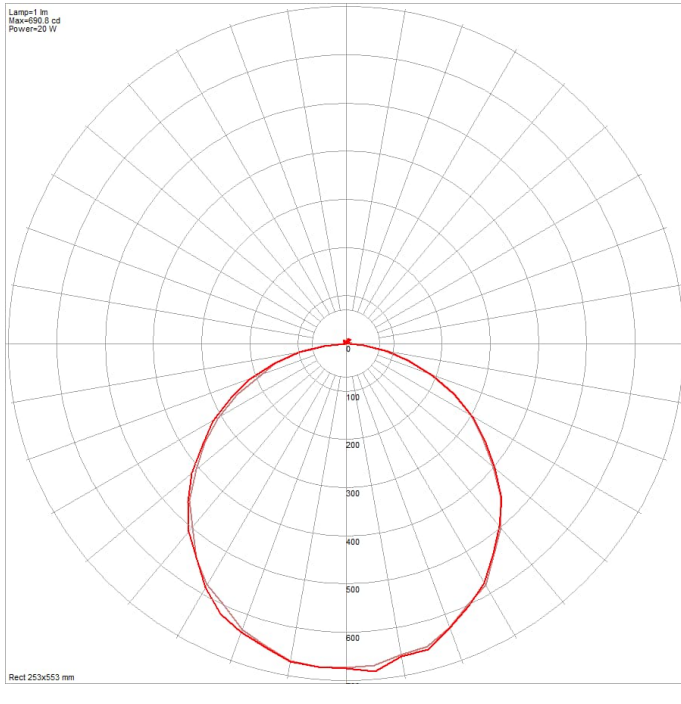
ACCESSORIES

Order code	10258
Description	Plaster Recessed Frame 300x600 WHITE to suit panels (PRE-ASSEMBLED)
Item Code	AT9053/PRF/WH
Order code	11881
Description	Surface-mount one piece panel frame 300x600mm White
Item Code	AT9055/306
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

Information is subject to change without prior notice. Images are for illustrative purposes only. E&OE

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Recommended Drivers

Order code	Item Code	Description
11572	**AT9665**	16W Phase Dimmable Driver 450mA to suit 306 Backlit Panels - AT6023 SER III
14929	**DK1-0AABBHZX00035**	Driver Kit - Wireless DALI+ LED driver with 1.2m 2 core flex and plug - set to 350mA
14911	**DK1-0AADADZX00035**	Driver Kit - DALI-2 LED driver with 1.2m 2 core flex and plug and 2 core flying lead - set to 350mA
14947	**DK1-0AAJADZX00035**	Driver Kit - DALI-2 LED driver with 2.4m CMS lead - set to 350mA
14965	**DK1-0AAKADZX00035**	Driver Kit - DALI-2 LED driver with 2.4m Wire-By-Click (WBC) lead - set to 350mA