

AT6024

Power adjustable LED backlit panel - Tri-CCT

- Easy-to-install with flex and plug
- LED driver included
- Tri-Colour (3000K, 4000K, 5700K)
- Power adjustable (23W, 25W, 27W and 29W options)
- Low glare with UGR<19
- Upgradeable with DALI-2 dimmable driver (not included)



ORDERING INFORMATION

Order code	10166
Description	29W Low Glare LED Panel - TRI-CCT
Item Code	AT6024/312/TRI
Driver Power	29 W

EFFICIENCIES

Total System Efficiency	120 lm/W
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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

IP Rating	IP50
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.

Adjustability	Fixed
Fitting Colour	White
Product Finish	Powdercoated
Body Material	Steel
Diffuser Material	Polystyrene
Installation Type	Recessed

ELECTRICAL

Working Temp Range	40 °C
Input Frequency	50 Hz
Maximum Wattage	29 W
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%

LAMP

Colour Rendering Index (CRI)	>80
Number of Lamps	1
UGR	<19
CCT Configuration	TRI-CCT
Beam Angle	90 °

LED LIFETIME

TM-21 Test Hours	12000 hrs
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COLOUR TEMPERATURE

23 Watts

Warm White (3000 K)	2700 lm
Cool White (4000 K)	2900 lm
DayLight (5700 K)	2700 lm

29 Watts

Warm White (3000 K)	3200 lm
Cool White (4000 K)	3500 lm
DayLight (5700 K)	3250 lm

DRIVER

Driver Included	Yes
Integrated Driver	No
Dimmable	No
Flex & Plug or Lead Length	1200 mm
Wiring Type	Re-wireable Flex & Plug (2 pin)
Driver Mode	Constant Current
Driver Current	750 mA
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
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WARRANTY

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).

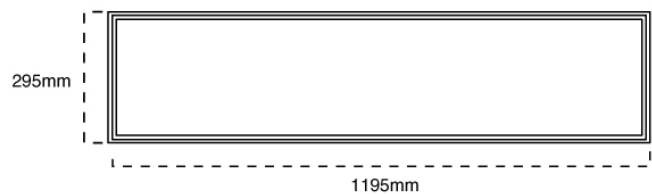
Domestic Use Warranty 3 RTB (Total 3 Years)

DIMENSIONS

Product Length	1195 mm
Product Width	295 mm
Product Weight	1300 g

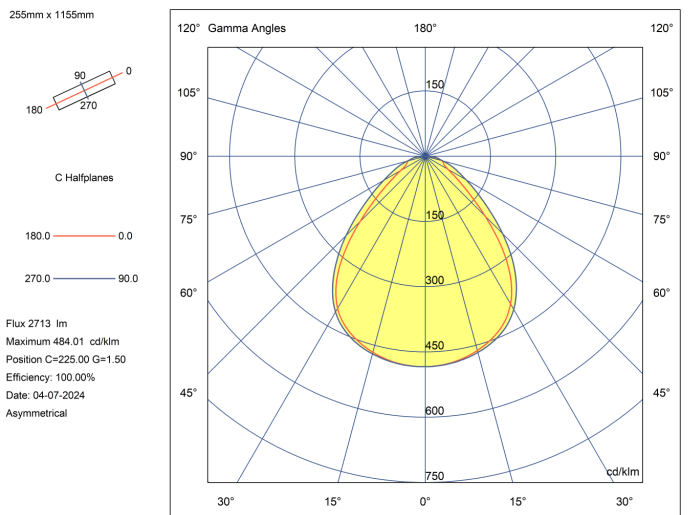
LINE DRAWINGS

AT6024/312/TRI



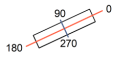
PHOTOMETRICS

AT6024/312/TRI/5700K/23W



AT6024/312/TRI/4000K/29W

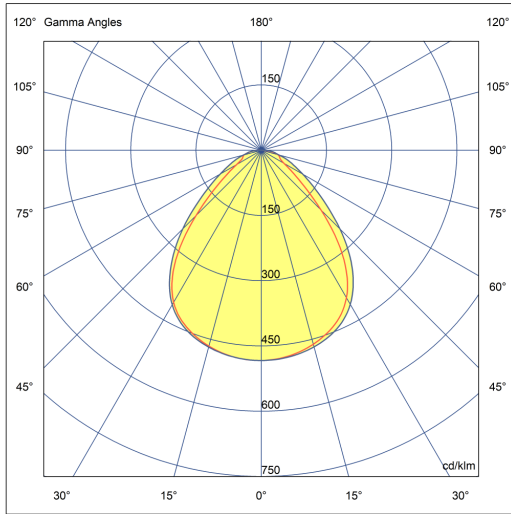
255mm x 1155mm



C Halfplanes

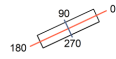
180.0 — 0.0
270.0 — 90.0

Flux 3499 lm
Maximum 483.44 cd/klm
Position C=135.00 G=0.50
Efficiency: 100.00%
Date: 04-07-2024
Asymmetrical



AT6024/312/TRI/4000K/23W

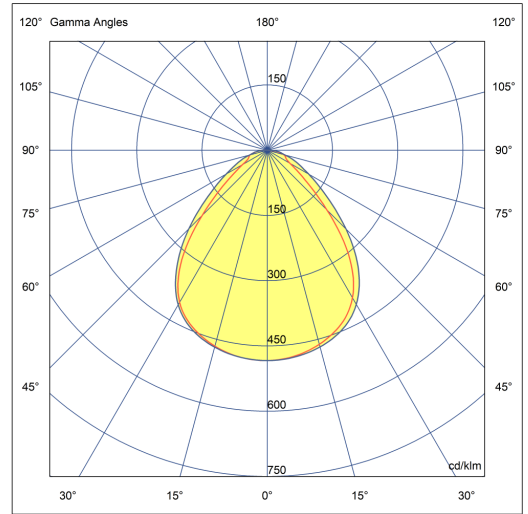
255mm x 1155mm



C Halfplanes

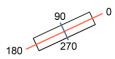
180.0 — 0.0
270.0 — 90.0

Flux 2881 lm
Maximum 483.55 cd/klm
Position C=180.00 G=1.00
Efficiency: 100.00%
Date: 04-07-2024
Asymmetrical



AT6024/312/TRI/3000K/23W

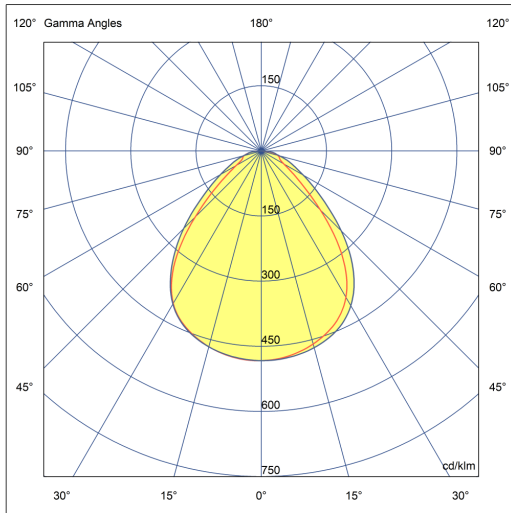
255mm x 1155mm



C Halfplanes

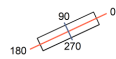
180.0 — 0.0
270.0 — 90.0

Flux 2684 lm
Maximum 483.22 cd/klm
Position C=112.50 G=0.50
Efficiency: 100.00%
Date: 04-07-2024
Asymmetrical



AT6024/312/TRI/5700K/29W

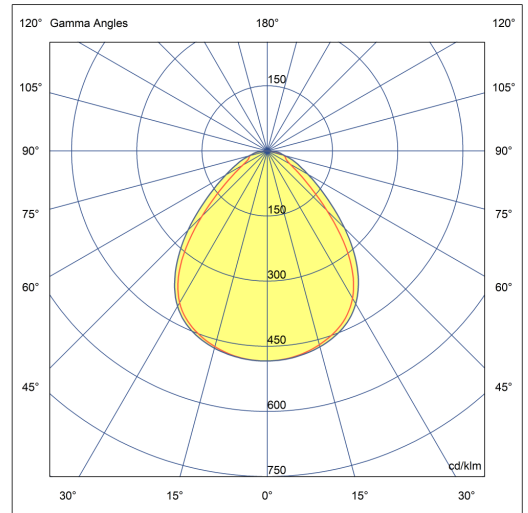
255mm x 1155mm



C Halfplanes

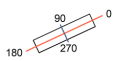
180.0 — 0.0
270.0 — 90.0

Flux 3248 lm
Maximum 483.94 cd/klm
Position C=225.00 G=1.50
Efficiency: 100.00%
Date: 04-07-2024
Asymmetrical



AT6024/312/TRI/3000K/29W

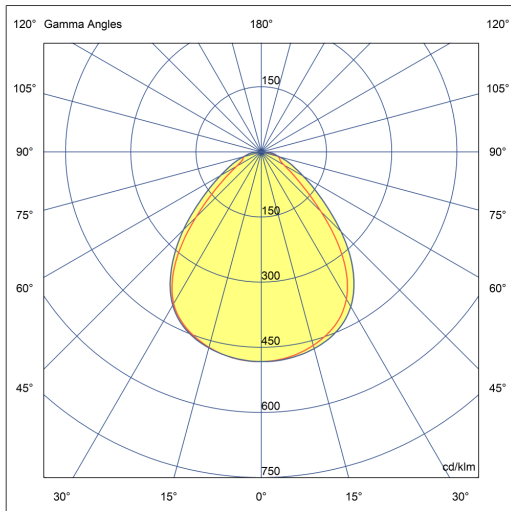
255mm x 1155mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0

Flux 3209 lm
Maximum 483.02 cd/klm
Position C=90.00 G=1.00
Efficiency: 100.00%
Date: 04-07-2024
Asymmetrical



ACCESSORIES

Order code	10398
Description	Plaster Recessed frame 300x1200 WHITE to suit panels (PRE-ASSEMBLED)
Item Code	AT9050/PRF/WH
Order code	11315
Description	1m Panel Suspension Cable Kit - 4x Straight 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
14919	DK1-0AADADZX00075	Driver Kit - DALI-2 LED driver with 1.2m 2 core flex and plug and 2 core flying lead - set to 750mA