



AT3013 SLIM Series II

Slim opal acrylic LED oyster - Tri-CCT

- Versatile surface-mount design with slim 70mm profile
- Provides energy-efficient illumination of up to 111 lm/W
- Tri-CCT selectable, allowing for customisation of colour temperature to suit the application
- Three power settings to tailor brightness, 12/15/18W
- Easy to install and maintain
- Insect-resistant seal helps to maintain cleanliness of the fitting
- IP54 rated, making it suitable for kitchens, bathrooms and laundries

ORDERING INFORMATION

Order code	12333
Description	SLIM 18W 350mm Dia Oyster - Tri CCT - Series II
Item Code	AT3013/SLIM/18/TRI

EFFICIENCIES

Total System Efficiency	110 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

IP Rating	IP54
Fitting Colour	White
Body Material	Steel
Diffuser Material	Acrylic
Installation Type	Wall or Ceiling



ELECTRICAL

Maximum Wattage	18 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
CCT Configuration	TRI-CCT

LED LIFETIME

LED Lifetime	102000 hrs	
This is the Reported LED Lifetime in Hours based on TM-21. Atom does not list the projected or calculated LED lifetime, which is normally longer as TM-21 Addendum B explicitly states "The Calculated and Projected Lp(Dk) are not to be reported". This Lifetime refers to the life of a single LED however the system life is longer since the probability and binomial distribution of all LEDs in the system means that the average led is performing above the specification and compensates for the LEDs falling below.		
Ambient Temp (°C)	25 °C	40 °C
L90B10	46000 hrs	44000 hrs
This rating defines the performance of the led within its lifetime. L relates to lumen depreciation, where the proceeding number gives the resultant lumen output at the end of it reported lifetime. L70, would mean 30% lumen depreciation which means 70% of its initial output and is tested accordingly to TM-21. The B part refers to failures, which can be define as the percentage of LEDs which fall below the L value in the projected lifetime. A value of B10 refers to 10% failure and a value of B50 refers to 50% failure. After the defined lifetime, the system will reach the defined lumen depreciation and the average led failures is defined by the B rating. The B rating is defined in and tested to IEC62717.		



TM-21 Test Hours	17000 hrs
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COLOUR TEMPERATURE

12 Watts	
Warm White (3000 K)	1300 lm
Cool White (4000 K)	1360 lm
DayLight (5700 K)	1310 lm
18 Watts	
Warm White (3000 K)	1850 lm
Cool White (4000 K)	1950 lm
DayLight (5700 K)	1860 lm

DRIVER

Driver Included	Yes
Wiring Type	Re-wireable terminal block (3 pin)
Flicker Free	Yes
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	0.04
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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.

COMPLIANCE

Standards	AS/NZS 60598.2.1 AS/NZS 60598.1 AS/NZS 61347.1 AS/NZS 61347.2.13 AS CISPR 15
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WARRANTY

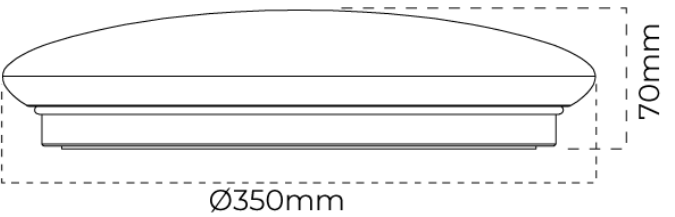
VIP Warranty	2 Onsite, 3 RTB (Total 5 Years)
VIP warranty is available to registered users and is subjected to additional terms and conditions.	
Domestic Use Warranty	3 RTB (Total 3 Years)

DIMENSIONS

Product Height	70 mm
Product Diameter	350 mm

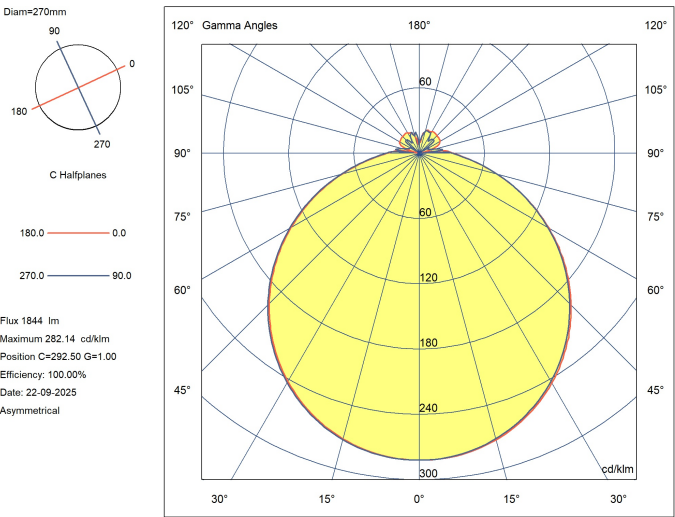
LINE DRAWINGS

AT3013/SLIM/18/TRI

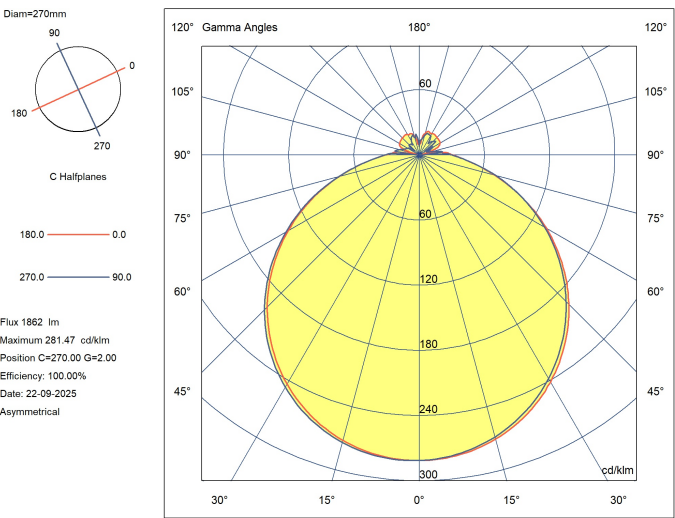


PHOTOMETRICS

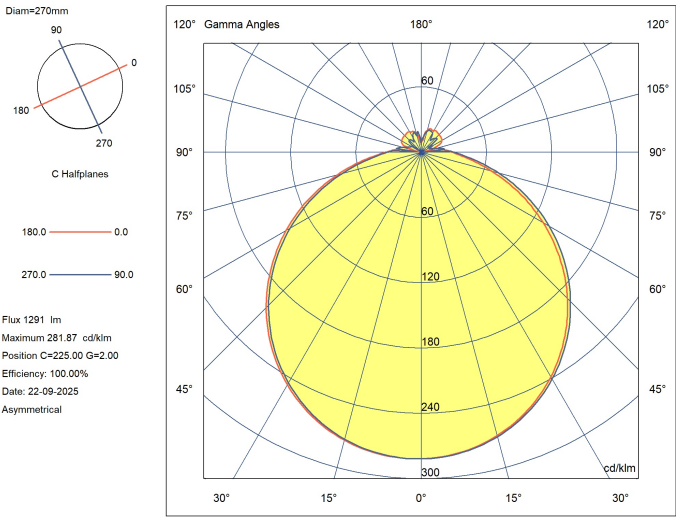
AT3013/SLIM/18/TRI/5700K/18W



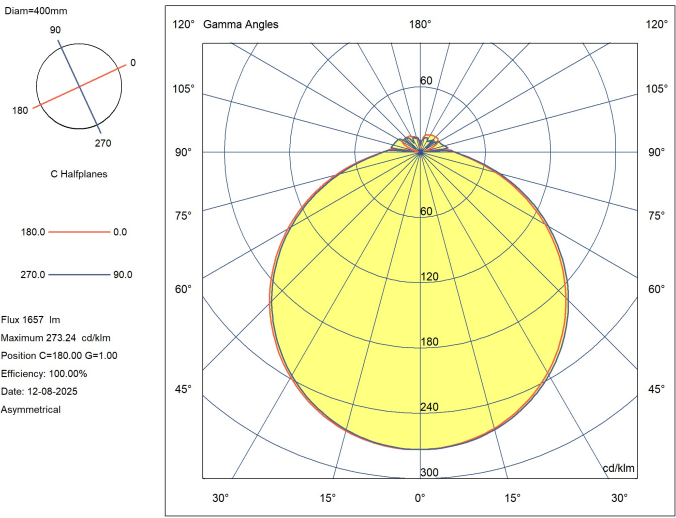
AT3013/SLIM/18/TRI/3000K/18W



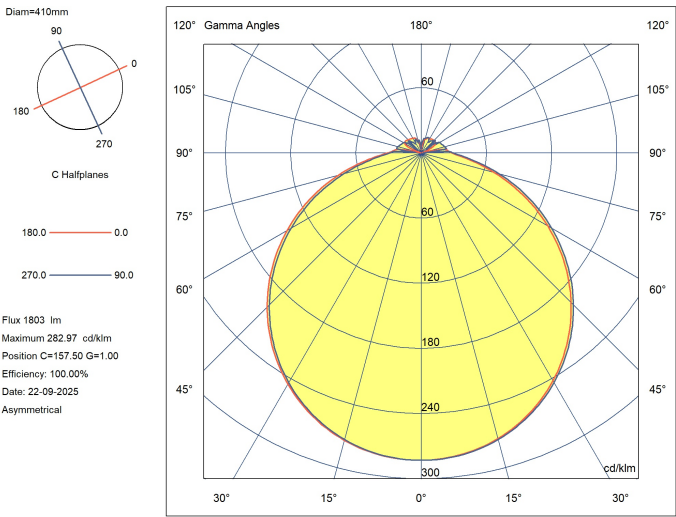
AT3013/SLIM/18/TRI/5700K/12W



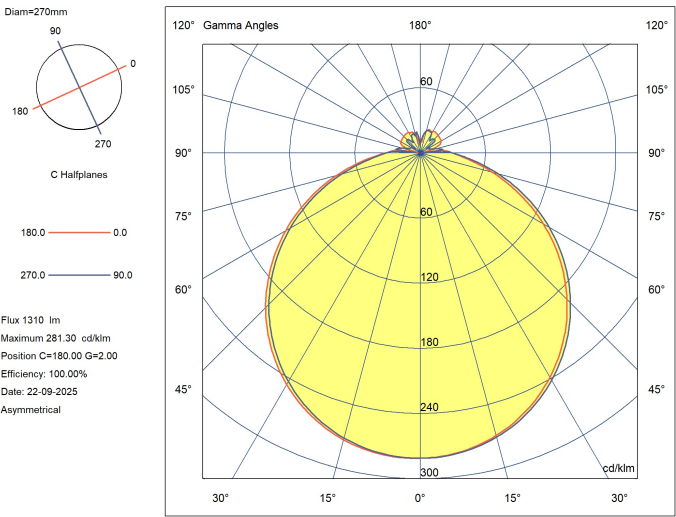
AT3013/SLIM/25/TRI/3000K/18W



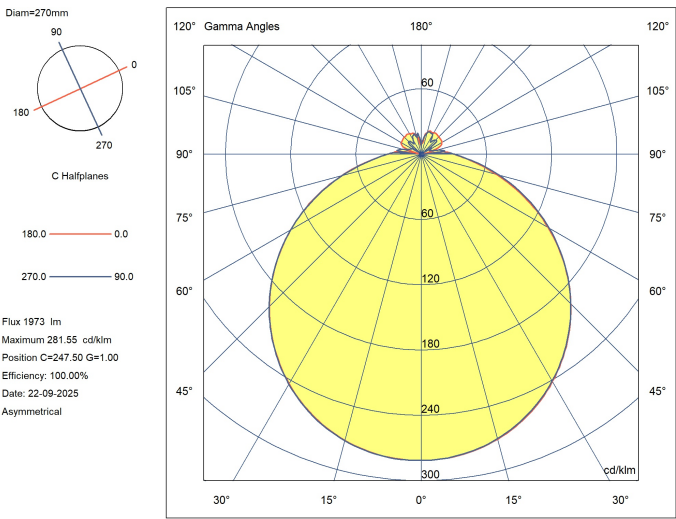
AT3013/SLIM/25/TRI/5700K/18W



AT3013/SLIM/18/TRI/3000K/12W



AT3013/SLIM/18/TRI/4000K/18W



AT3013/SLIM/18/TRI/4000K/12W

