

## AT3014 TRI

Round Low-profile IP54 Dimmable Oyster, Tri-CCT

- Energy efficient LED
- IP54 weatherproof rating
- Sleek modern slimline design
- Phase-cut dimmable
- Tri-CCT selectable



### ORDERING INFORMATION

<b>Order code</b>	11942
<b>Description</b>	18w LED 300mm Round Low Profile Dimmable IP54 Poly. Oyster - White Trim - TRI-CCT
<b>Driver Type</b>	Dimmable ( Phase cut)
<b>Item Code</b>	AT3014/18/WH/TRI

### EFFICIENCIES

**Total System Efficiency** 111 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>	Polycarbonate
<b>Diffuser Material</b>	Polycarbonate
<b>Fitting Colour</b>	White
<b>IK Rating</b>	IK08
<b>Installation Type</b>	Wall or Ceiling
<b>IP Rating</b>	IP54

### ELECTRICAL

<b>Electrical Rating</b>	Class II
<b>Input Current</b>	0.1 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>Switch Type</b>	Inline
<b>System Max Wattage</b>	18 W
<b>Working Temp Range</b>	-20 to 45 °C

### LAMP

<b>CCT Configuration</b>	TRI-CCT
<b>Colour Rendering Index (CRI)</b>	>80

### LED LIFETIME

<b>LED Lifetime</b>	>54000 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.	
<b>LED Lifetime Rating</b>	L70B10
<b>Ambient Temp (°C)</b>	40 °C
<b>L90B10</b>	37000 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.

<b>TM-21 Test Hours</b>	9000 hrs
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## COLOUR TEMPERATURE

Warm White (3000K K)	1850 lm
Cool White (4000K K)	2000 lm
DayLight (5700K K)	1950 lm

## DRIVER

<b>Dimmable</b>	Yes
<b>Driver Included</b>	Yes
<b>Integrated Driver</b>	Yes
<b>Driver Mode</b>	Constant Current
<b>Driver Type</b>	Dimmable ( Phase cut)
<b>Wiring Type</b>	Re-wireable terminal block (3 pin)

## COMPLIANCE

<b>Standards</b>	AS/NZS 60598.1 AS/NZS 60598.2.1 AS/NZS 61347.1 AS 61347.2.13 As CISPR 15
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## WARRANTY

<b>Domestic Use Warranty</b>	3 (Yr) RTB
<b>VIP Warranty</b>	2 Onsite, 3 RTB (Total 5 Years)

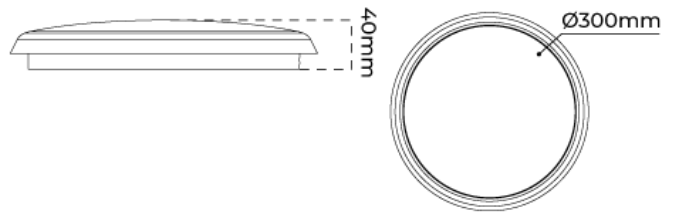
VIP warranty is available to registered users and is subjected to additional terms and conditions.

## DIMENSIONS

<b>Product Height</b>	40 mm
<b>Product Length</b>	300 mm
<b>Product Width</b>	300 mm

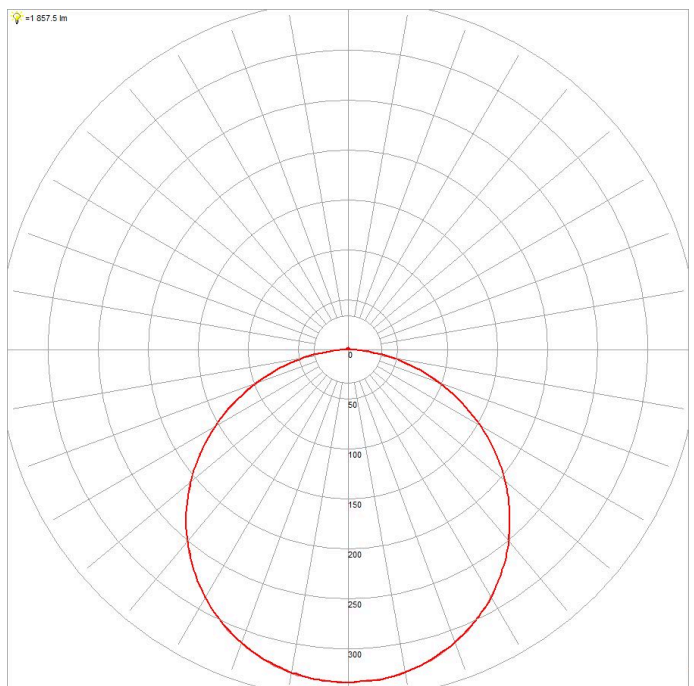
## LINE DRAWINGS

### AT3014/TRI/18

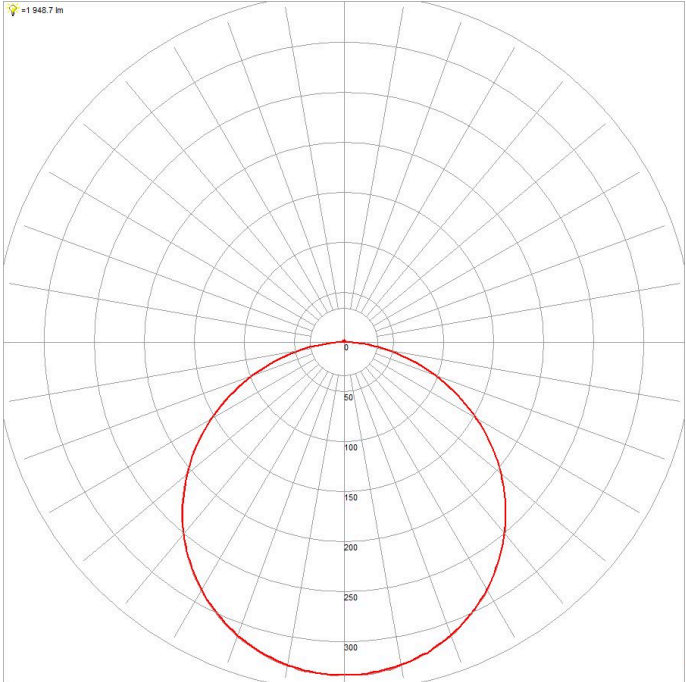


## PHOTOMETRICS

### AT3014/18/TRI/3000K



## AT3014/18/TRI/5700K



## AT3014/18/TRI/4000K

