

## AT9020 TRI

10W LED Adjustable downlight with dimmable driver

- Tri-colour

- Energy efficient LED
- Adjustable Gimbal tilt design
- Easy to install
- Phase-cut dimmable
- Tri-CCT selectable



### ORDERING INFORMATION

<b>Order code</b>	11833
<b>Description</b>	10W Tilt Adjustable LED downlight with dimmable driver - Tri-CCT - White
<b>Driver Power</b>	10 W
<b>Driver Type</b>	Dimmable ( Phase cut)
<b>Item Code</b>	AT9020/WH/TRI

### EFFICIENCIES

**Total System Efficiency** 104 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>	Adjustable
<b>Body Material</b>	Aluminium
<b>Diffuser Material</b>	PMMA
<b>Product Finish</b>	Powdercoated
<b>Fitting Colour</b>	White
<b>IC Rating</b>	IC
<b>Installation Type</b>	Recessed
<b>IP Rating</b>	IP20

### ELECTRICAL

<b>Electrical Rating</b>	Class II
<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>Maximum Wattage</b>	10 W
<b>Power Factor</b>	0.9
<b>Switch Type</b>	Inline
<b>Working Temp Range</b>	-20 to 40 °C

### LAMP

<b>Beam Angle</b>	90 °
<b>CCT Configuration</b>	TRI-CCT
<b>Colour Rendering Index (CRI)</b>	>80
<b>Lamp/LED Current</b>	250 mA
<b>Lamp/LED voltage</b>	36 V

### LED LIFETIME

**LED Lifetime** >54,000 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.

**TM-21 Test Hours** 9000 hrs

## COLOUR TEMPERATURE

Warm White (3000K K)	950 lm
Cool White (4000K K)	1050 lm
DayLight (5700K K)	1000 lm

## DRIVER

<b>Dimmable</b>	Yes
<b>Driver Included</b>	Yes
<b>Integrated Driver</b>	No
<b>Driver Mode</b>	Constant Current
<b>Driver Type</b>	Dimmable ( Phase cut)
<b>Flex &amp; Plug or Lead Length</b>	600 mm
<b>Wiring Type</b>	Re-wireable Flex & Plug (2 pin)

## WARRANTY

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

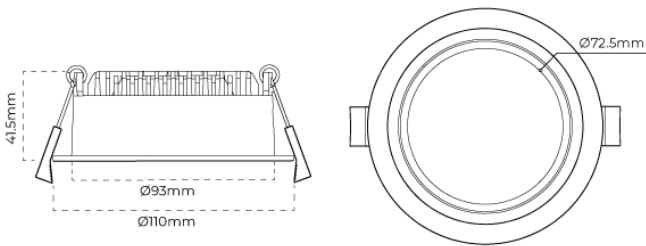
VIP warranty is available to registered users and is subjected to additional terms and conditions.

## DIMENSIONS

<b>Cutout</b>	95-100 mm
<b>Product Diameter</b>	110 mm
<b>Product Height</b>	40 mm

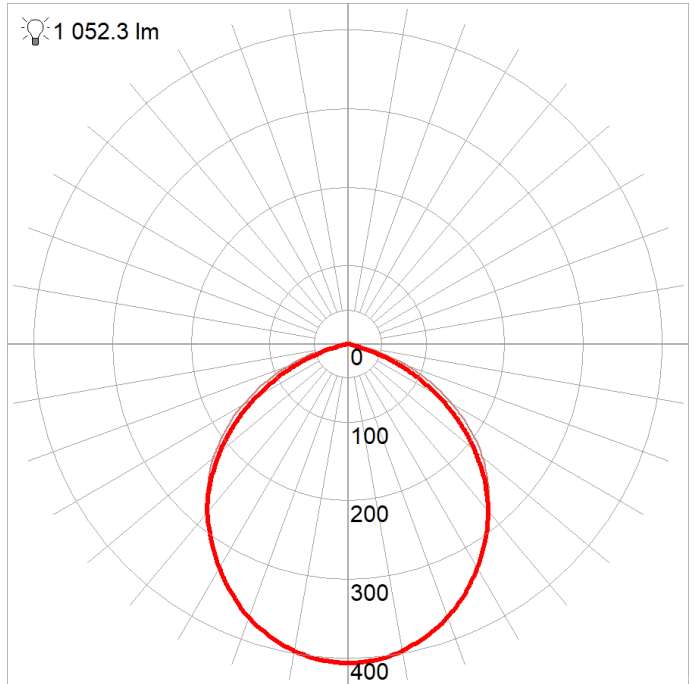
## LINE DRAWINGS

### AT9020/WH/TRI

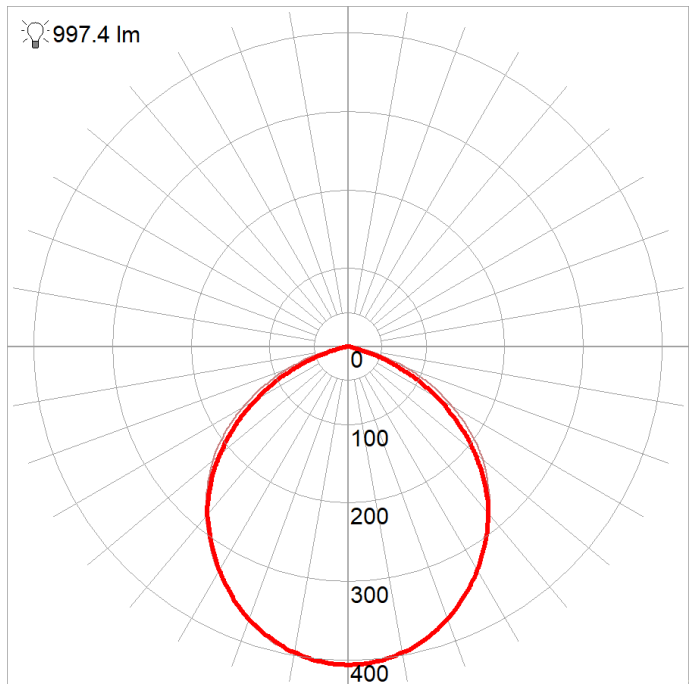


## PHOTOMETRICS

### AT9020/WH/TRI/4000K



### AT9020/WH/TRI/5700K



AT9020/WH/TRI/3000K

