

AT9020 TRI

13W 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

Order code	11833
Description	13W Tilt Adjustable LED downlight with dimmable driver - Tri-CCT - White
Driver Power	10 W
Driver Type	Dimmable (Phase cut)
Item Code	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

Adjustability	Adjustable
Body Material	Aluminium
Diffuser Material	PMMA
Product Finish	Powdercoated
Fitting Colour	White
IC Rating	IC
Installation Type	Recessed
IP Rating	IP20

ELECTRICAL

Electrical Rating	Class II
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	10 W
Power Factor	0.9
Switch Type	Inline
Working Temp Range	-20 to 40 °C

LAMP

Beam Angle	90 °
CCT Configuration	TRI-CCT
CRI	>80
Lamp/LED Current	250 mA
Lamp/LED voltage	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

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

WARRANTY

Domestic Use Warranty	3 RTB (Total 3 Years)
VIP Warranty	2 Onsite, 3 RTB (Total 5 Years)

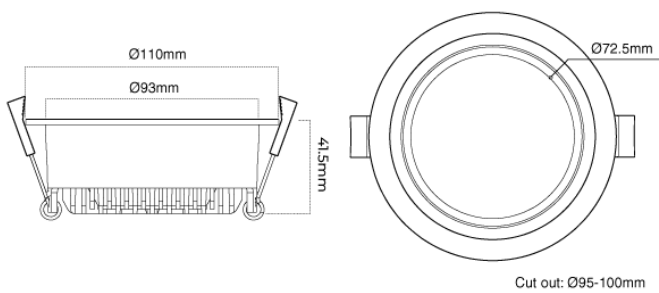
VIP warranty is available to registered users and is subjected to additional terms and conditions.

DIMENSIONS

Cutout	90-95 mm
Product Diameter	110 mm
Product Height	40 mm

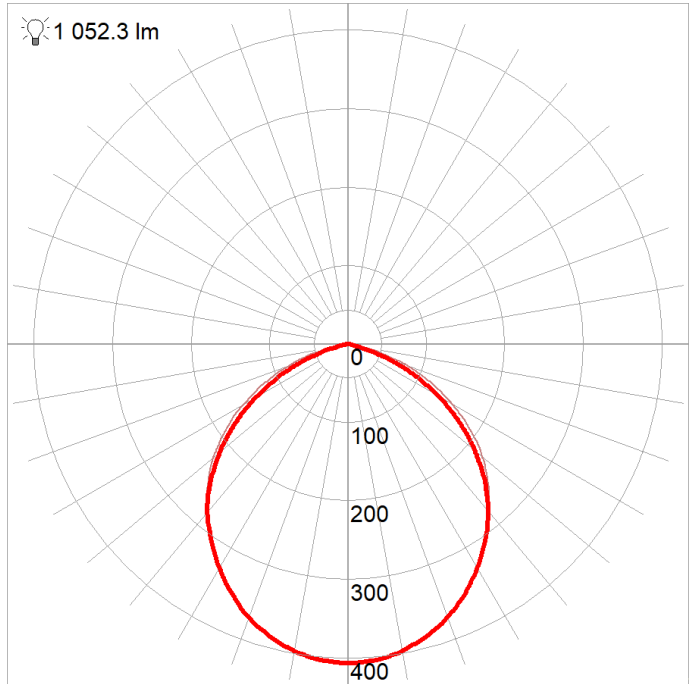
LINE DRAWINGS

AT9020/WH/TRI

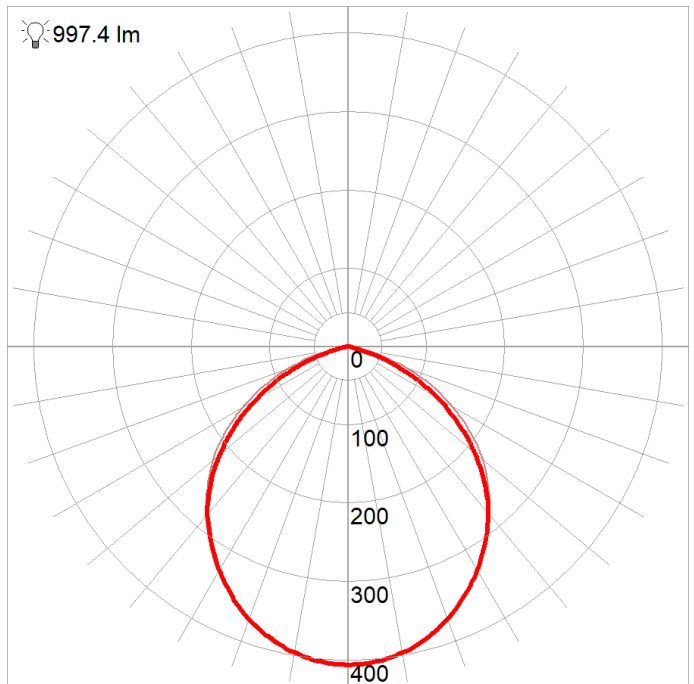


PHOTOMETRICS

AT9020/WH/TRI/4000K



AT9020/WH/TRI/5700K



AT9020/WH/TRI/3000K

