

AT9090 TRI

8W Low-profile LED Tri-colour downlight with

dimnable driver

- Low profile design makes it ideal for apartments and other tight ceiling spaces
- IC-4 rated at 40 degree ambient provides high level of protection
- Supplied with dimmable LED driver for control and flexibility
- Tri-CCT selectable switch for customising colour temperature to suit the environment
- Highly energy efficient at up to 112 lm/w
- IP54 rated front face, making it suitable for use in any room
- Backed by 5-year VIP warranty for peace of mind



ORDERING INFORMATION

Order code	16597
Description	8W flush lens low-profile LED downlight with dimmable driver - tri-CCT - white
Driver Type	Dimmable (Phase cut)
Item Code	AT9090/F/WH/TRI

EFFICIENCIES

Total System Efficiency	112 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

Adjustability	Fixed
Body Material	PA6
Diffuser Material	Polycarbonate
Fitting Colour	White
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.

Installation Type	Recessed
IP Rating	IP54 Front Face Only

ELECTRICAL

Electrical Rating	Class II
Input Current	0.05 A
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	8 W
Power Factor	0.9
Working Temp Range	-20 to 40 °C

LAMP

Macadam Steps (SDCM)	5-step MacAdam Ellipse
Beam Angle	100 °
CCT Configuration	TRI-CCT
Colour Rendering Index (CRI)	>80

LED LIFETIME

LED Lifetime	>60000 hrs
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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	10000 hrs
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COLOUR TEMPERATURE

Warm White (3000 K)	800 lm
Cool White (4000 K)	900 lm
DayLight (5700 K)	850 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)

COMPLIANCE

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

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

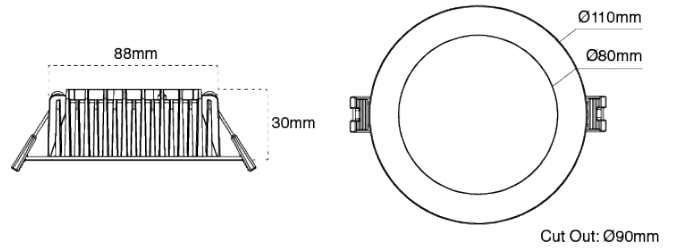
VIP warranty is available to registered users and is subjected to additional terms and conditions.

DIMENSIONS

Cutout	90 mm
Product Diameter	110 mm
Product Height	30 mm

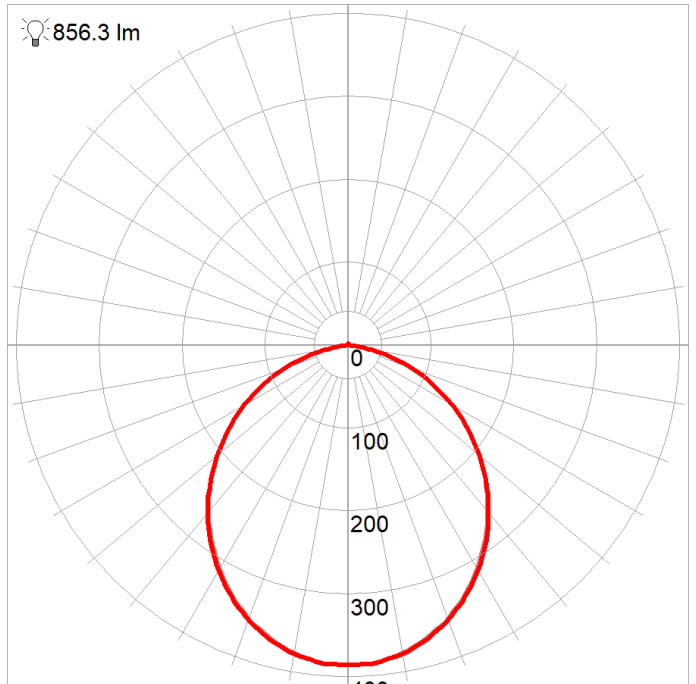
LINE DRAWINGS

AT9090/F/WH/TRI

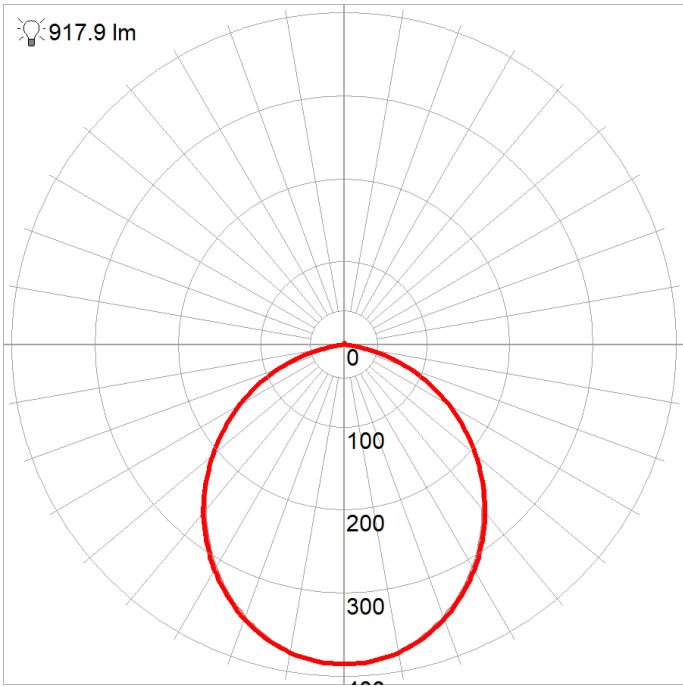


PHOTOMETRICS

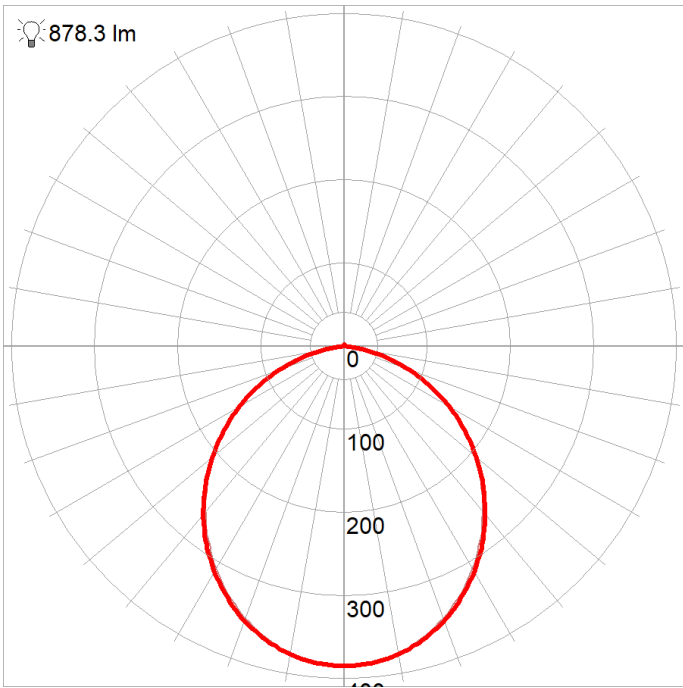
AT9090/F/WH/TRI/3000K



AT9090/F/WH/TRI/4000K



AT9090/F/WH/TRI/5700K

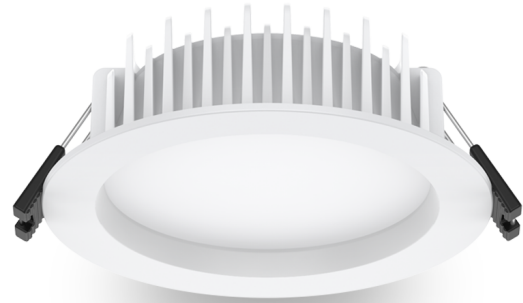


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ORDERING INFORMATION

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Driver Type	Dimmable (Phase cut)
Item Code	AT9090/WH/TRI

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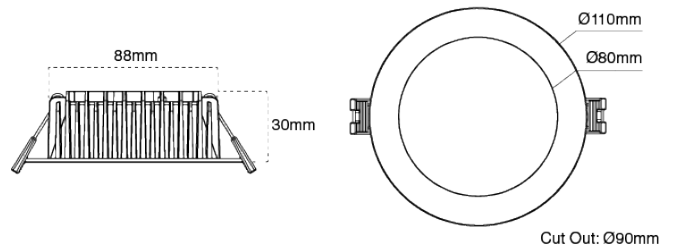
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DIMENSIONS

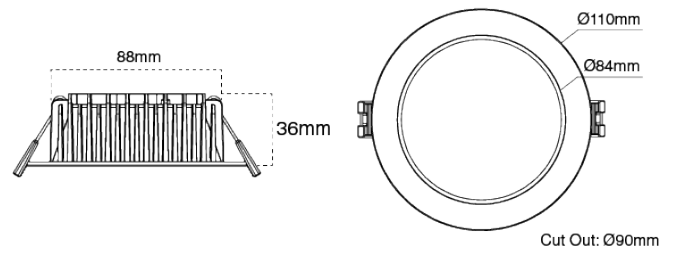
Cutout	90 mm
Product Diameter	110 mm
Product Height	36 mm

LINE DRAWINGS

AT9090/F/WH/TRI

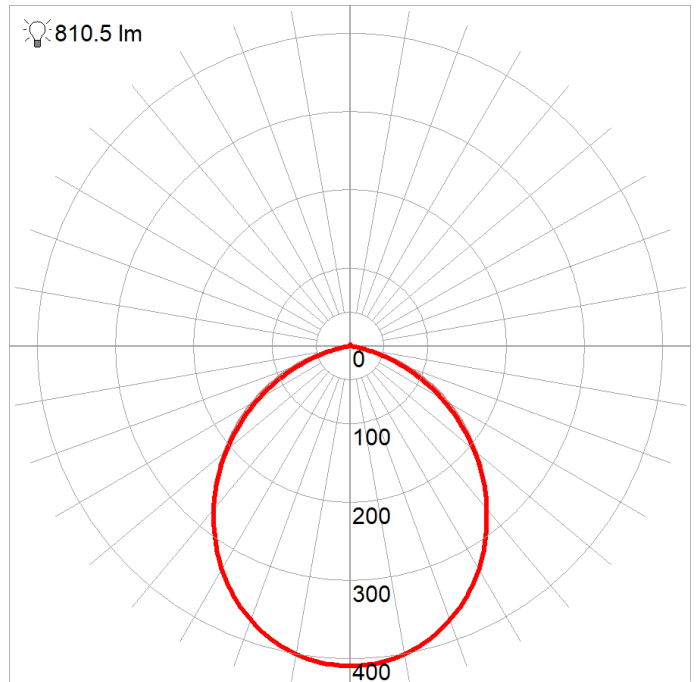


AT9090/WH/TRI

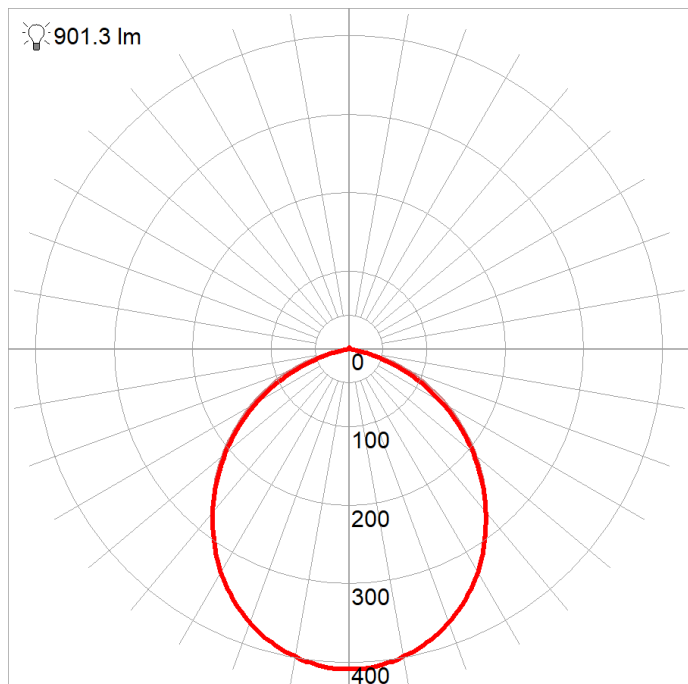


PHOTOMETRICS

AT9090/WH/TRI/3000K



AT9090/WH/TRI/4000K



AT9090/WH/TRI/5700K

