



AT9075 Lumara

8-12W LED COB low-glare downlight with dimmable

driver - Tri-CCT

- 12W LED COB delivering up to 1100lm
- Available in white, black and small versions
- Tri-CCT selectable: 2700K / 3000K / 4000K
- High colour accuracy with CRI 90
- Low-glare design with UGR <19
- Slim, low-profile housing for shallow ceiling spaces
- Supplied with dimmable LED driver
- IP65 rated (front face only)
- Suitable for commercial, retail, showroom and feature lighting



ORDERING INFORMATION

Order code	12329
Description	Lumara - 12W 90mm Cutout Low Glare Downlight - CRI90 - White - TRI-CCT
Driver Type	Dimmable (Phase cut)
Item Code	AT9075/WH/TRI

MECHANICAL

IP Rating	IP65 Front Face Only
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.	
IK Rating	IK06
Adjustability	Fixed
Fitting Colour	White
Product Finish	Powder Coated
Body Material	Diecast Aluminium
Installation Type	Recessed

ELECTRICAL

Input Frequency	50 Hz
Maximum Wattage	12 W
Input voltage	220-240

LAMP

Colour Rendering Index (CRI)	>90
LED Type	COB
UGR	<19
CCT Configuration	TRI-CCT
Beam Angle	60 °
Lamp/LED voltage	36 V
Lamp/LED Current	270 mA

LED LIFETIME

LED Lifetime	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.	

Ambient Temp (°C)	25 °C	40 °C
L90B10	45000 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	9000 hrs
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COLOUR TEMPERATURE

12 Watts		
Soft White (2700 K)	1100 lm	>93 CRI
Warm White (3000 K)	1050 lm	>94 CRI
Cool White (4000 K)	900 lm	>93 CRI

DRIVER

Driver Type	Dimmable (Phase cut)
Driver Included	Yes
Integrated Driver	No
Dimmable	Yes
Flex & Plug or Lead Length	600 mm
Driver Mode	Constant Current
Flicker Free	Yes

COMPLIANCE

Standards	AS/NZS 60598.2.2 AS/NZS 60598.1 AS/NZS 61347.1 AS/NZS 61347.2.13 AS CISPR 15
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WARRANTY

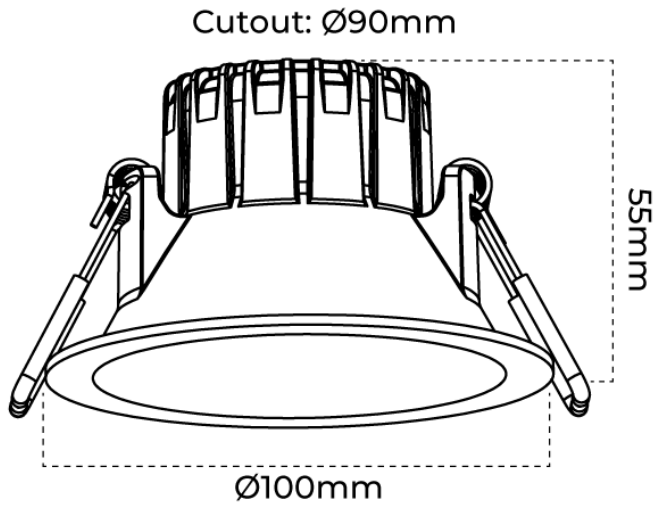
VIP Warranty	2 Onsite, 3 RTB (Total 5 Years)
VIP warranty is available to registered users and is subjected to additional terms and conditions.	
Domestic Use Warranty	3 RTB (Total 3 Years)

DIMENSIONS

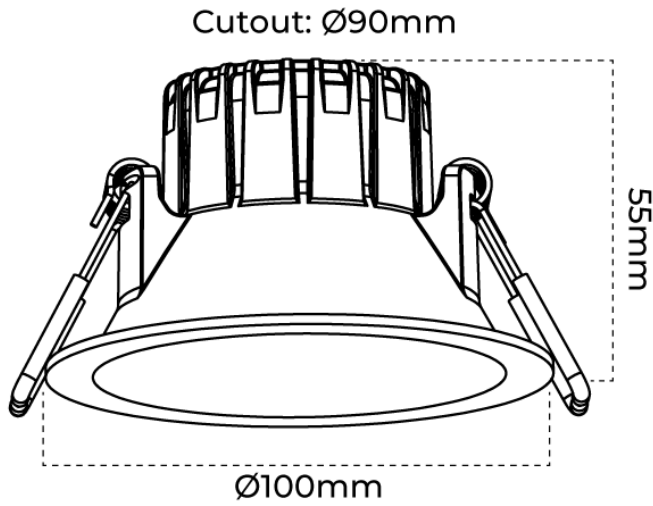
Product Height	55 mm
Cutout	90 mm
Product Diameter	100 mm

LINE DRAWINGS

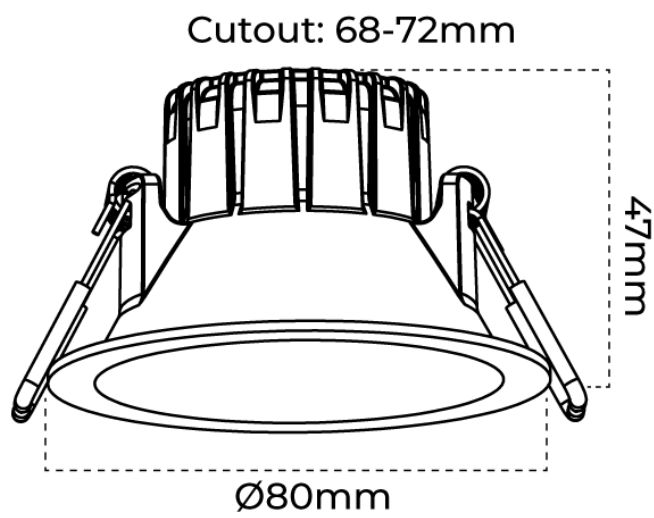
AT9075/WH



AT9075/BK

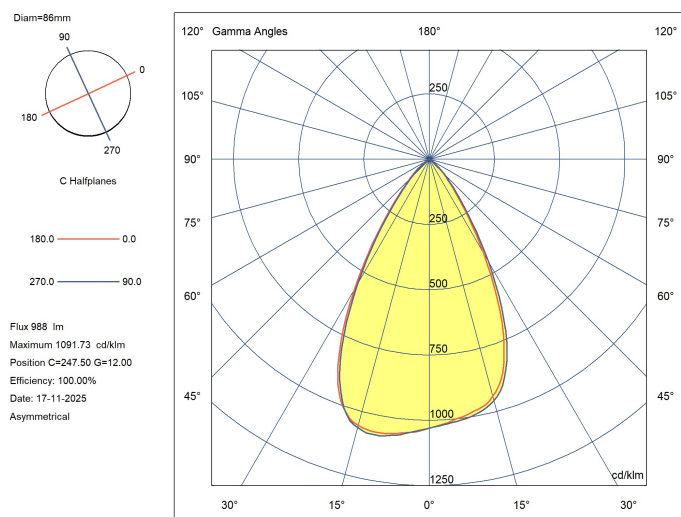


AT9075/SML/WH

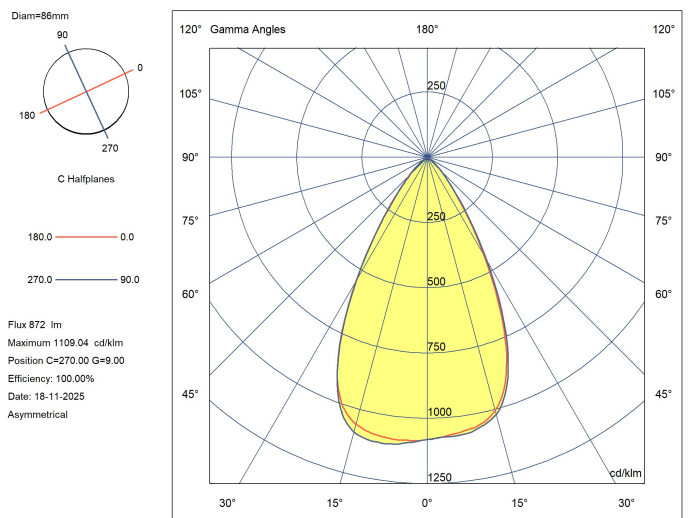


PHOTOMETRICS

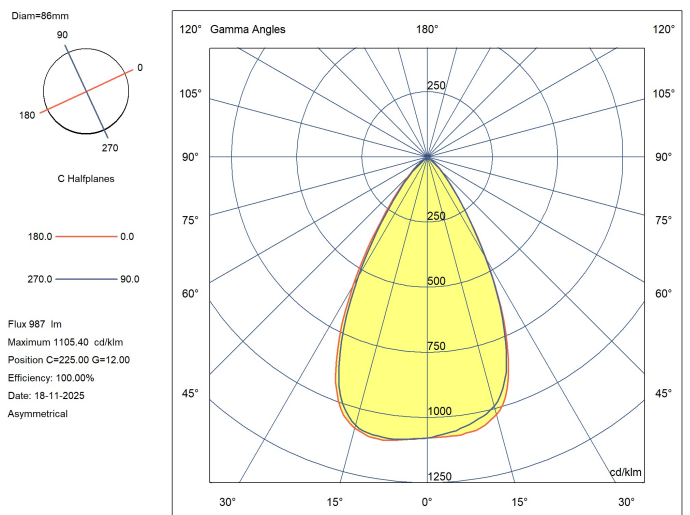
AT9075/LUMARA/WH/TRI/12W/3000K



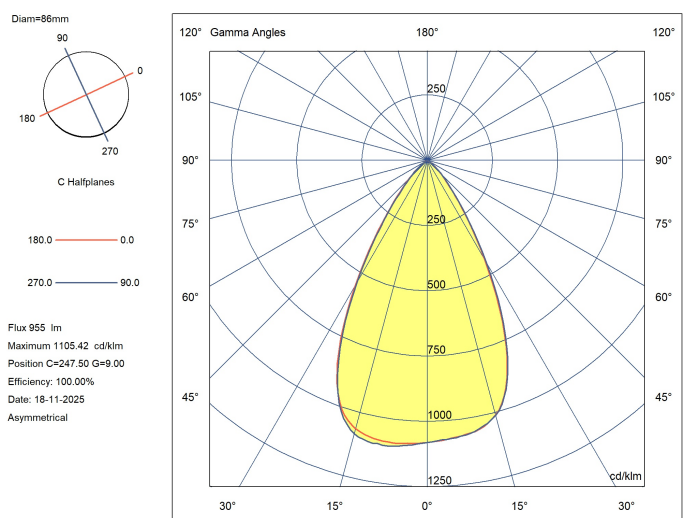
AT9075/LUMARA/BK/TRI/12W/2700K



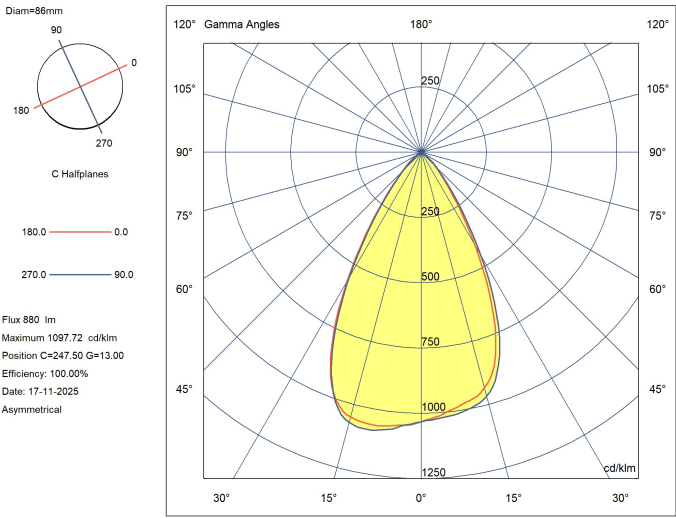
AT9075/LUMARA/BK/TRI/12W/4000K



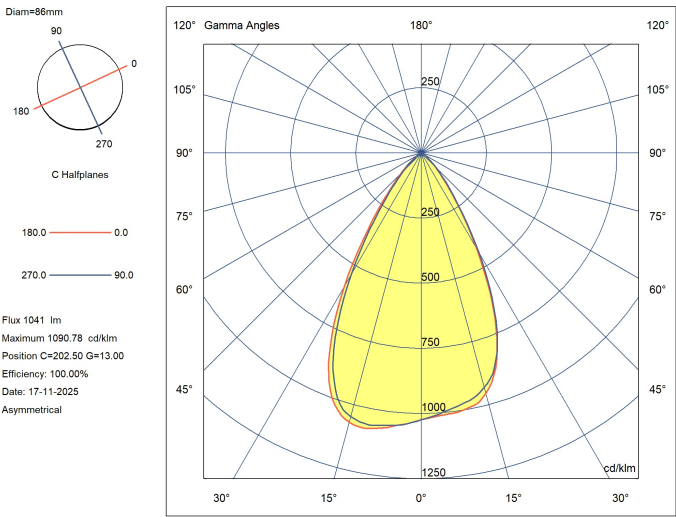
AT9075/LUMARA/BK/TRI/12W/3000K



AT9075/LUMARA/WH/TRI/12W/2700K



AT9075/LUMARA/WH/TRI/12W/4000K



Recommended Drivers

Order code	Item Code	Description
14909	DK1-0AADADZX00025	Driver Kit - DALI-2 LED driver with 1.2m 2 core flex and plug and 2 core flying lead - set to 250mA