atom'

AT9500 (24VDC)

3W LED Square recessed step light

- Ideal for residential and commercial lighting applications
- Suitable for recessed installation
- Ideal for lighting stairs, walkways and corridors.
- Avaliable in Clear and Opal diffused lens
- Low voltage (24V DC) operation
- 24V Driver sold seperately

ORDERING INFORMATION

Order code	12673
Description	3w 24 Volt DC CV LED Square (70x70) Recessed Step Light - WHT - 3000K - Opal Lens
Driver Type	Fixed output
Item Code	AT9500/24V/WH/WW/O

EFFICIENCIES

Total System Efficiency	33 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	Fixed
Body Material	Aluminium
Diffuser Material	Glass
Product Finish	Opal
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

IP Rating	IP54

ELECTRICAL

Input voltage	24V DC
Maximum Wattage	3 W

LAMP

CCT Configuration	Single
Colour Rendering Index (CRI)	>80
Lamp/LED Current	155 mA
Lamp/LED voltage	24 V
LED Type	Diffused
Number of Lamps	1

LED LIFETIME

LED Lifetime	50000 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.

COLOUR TEMPERATURE

CCT	3000K
CCT Colour	Warm White
LED Wattage	3 W
Luminaire Lumens	100 lm

All photometric data has a tolerance of ±10%. Luminaire lumens refers to the exit lumens or delivered lumens from the luminaire.

DRIVER

Driver Included	No
Integrated Driver	No
Driver Type	Fixed output
Flex & Plug or Lead Length	2m mm
Wiring Type	Flying leads (2 wire)

COMPLIANCE

Standards	AS/NZS 60598.1
	AS/NZS 60598.2.2
	EN55015

WARRANTY

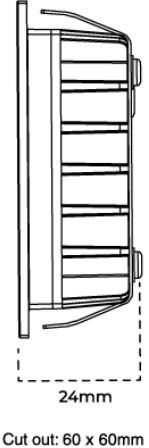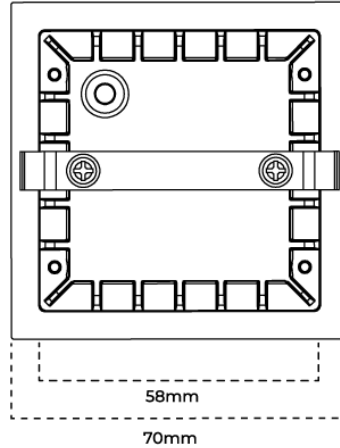| Domestic Use Warranty	3 RTB (Total 3 Years)
VIP Warranty	2 Onsite, 3 RTB (Total 5 Years)

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

DIMENSIONS

Cutout	60x60 mm
Product Height	70 mm
Product Length	70 mm
Product Width	24 mm

LINE DRAWINGS

AT9500/24V/WW/O

58mm
70mm
24mm
Cut out: 60 x 60mm

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Recommended Drivers

Order code	Item Code	Description
16091	EV-DRIVER-24V-100W-ND	100W 24V Constant Voltage Driver IP67 with 1m Flex and plug
16089	EV-DRIVER-24V-40W-ND	40W 24V Constant Voltage Driver IP67 with 1m Flex and plug
15795	ZC-DRIVER-20K-ND-24V	20W MAX Fixed output Constant Voltage LED Driver 24V CV
15798	ZC-DRIVER-60K-ND-24V	60W MAX Fixed output Constant Voltage LED Driver 24V CV