

## AT9814

## Commercial LED Floodlight

- Ideal for sport venues, car parks and outdoor applications
- Tempered Glass diffuser – stronger and safer
- Quick installation
- Symmetrical light distribution
- LEDs wired with matrix connections
- Aluminium cast body with high-quality powder-coated black finish
- IK08 Rating – resistant to the hard knocks of weather and impact
- Reduced tolerance between the PCBA and aluminium heatsink ensuring better lifetime



## ORDERING INFORMATION

<b>Order code</b>	18105
<b>Description</b>	100W LED IP66 Floodlight Ser III - 5000K
<b>Driver Power</b>	93 W
<b>Driver Type</b>	Fixed output
<b>Item Code</b>	AT9814/100

## MECHANICAL

<b>Adjustability</b>	Adjustable
<b>Body Material</b>	Aluminium
<b>Diffuser Material</b>	Glass
<b>Product Finish</b>	Powdercoated
<b>Fitting Colour</b>	Black
<b>IK Rating</b>	IK08
<b>Installation Type</b>	Surface mount
<b>IP Rating</b>	IP66

## ELECTRICAL

<b>Earth Leakage</b>	0.75 mA
<b>Electrical Rating</b>	Class I
<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>Inrush Current</b>	80 A
<b>Inrush Duration</b>	160uS (50%) uS
<b>Maximum Wattage</b>	100 W

<b>Power Factor</b>	0.94
<b>Surge Protection L/N-PE</b>	4kV
<b>Surge Protection L-N</b>	4kV
<b>Switch Type</b>	Inline
<b>Working Temp Range</b>	-30 to 45 °C

## LAMP

<b>Macadam Steps (SDCM)</b>	5-step MacAdam Ellipse
<b>Beam Angle</b>	120 °
<b>CCT Configuration</b>	Single
<b>Colour Rendering Index (CRI)</b>	>70

## LED LIFETIME

<b>LED Lifetime</b>	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.	
<b>LED Lifetime Rating</b>	L70 B10 (9K)
<b>TM-21 Test Hours</b>	9000 hrs

## COLOUR TEMPERATURE

<b>CCT</b>	5000 K
<b>CCT Colour</b>	Daylight
<b>LED Wattage</b>	93 W
<b>Luminaire Lumens</b>	14410 lm

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

## DRIVER

<b>Dimmable</b>	No
<b>Driver Included</b>	Yes
<b>Integrated Driver</b>	No
<b>Driver Mode</b>	Constant Current
<b>Driver Type</b>	Fixed output
<b>Flex &amp; Plug or Lead Length</b>	1500 mm
<b>Wiring Type</b>	Flying leads (3 wire)

## ENERGY SAVINGS SCHEME

<b>Ipact Approval</b>	Yes
<b>REES Approval</b>	Yes
<b>VEU Approval</b>	Yes

## COMPLIANCE

<b>Daily Use</b>	10 hrs
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The Daily Use is the recommended time required to meet the product's design life. Installations can exceed this time, however the product design life will be reduced proportionally.

<b>Standards</b>	AS/NZS 60598.1 AS/NZS 60598.2.5 AS/NZS 61347.1 AS/NZS 61347.2.13 AS CISPR 15
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## WARRANTY

<b>Domestic Use Warranty</b>	3 RTB (Total 3 Years)
<b>Operational Lifetime</b>	50000 hrs
<b>VIP Warranty</b>	2 Onsite, 3 RTB (Total 5 Years)

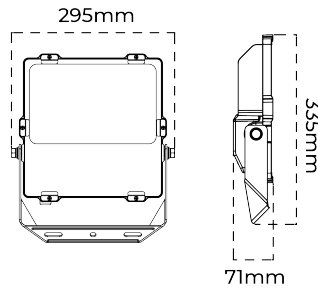
VIP warranty is available to registered users and is subjected to additional terms and conditions.

## DIMENSIONS

<b>Product Height</b>	335 mm
<b>Product Length</b>	295 mm
<b>Product Weight</b>	3700 g
<b>Product Width</b>	71 mm

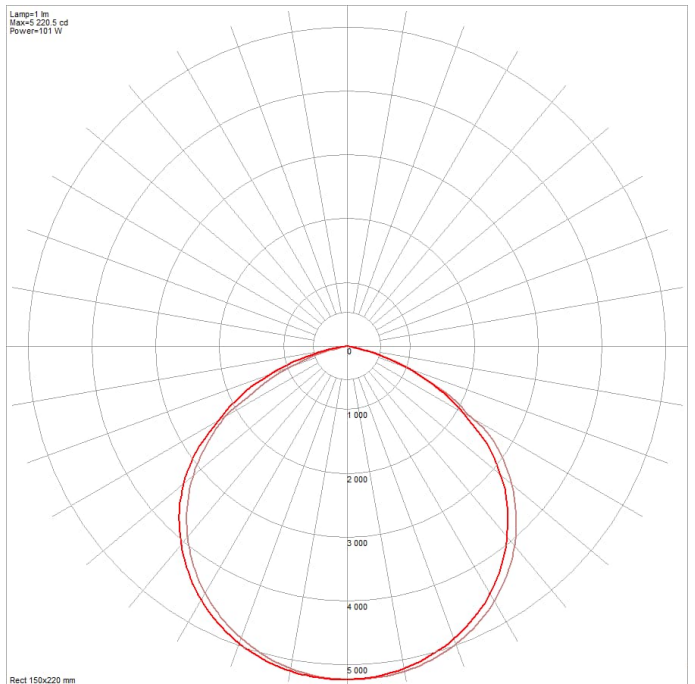
## LINE DRAWINGS

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## PHOTOMETRICS

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## ACCESSORIES

<b>Order code</b>	12207
<b>Description</b>	Pole mounting bracket to suit AT9814 floodlight
<b>Item Code</b>	AT9812/PMB