

# AT9815 Floodlight

## Commercial LED Floodlight

- Suitable for general outdoor lighting, including small-scale sports areas and private car parks
- Symmetrical light distribution
- Improved efficiency for greater lumen output at the same wattages
- IK08 and IP66 rated for durability in outdoor environments
- 6kV surge protected to better resist grid and lightning surges
- LEDs wired with matrix connections
- Tempered glass diffuser and powder coated aluminium enclosure
- Quick installation

## ORDERING INFORMATION

<b>Order code</b>	14477
<b>Description</b>	Zenix 150W LED Floodlight - 5000K
<b>Driver Type</b>	Fixed output
<b>Item Code</b>	AT9815/150
<b>Driver Power</b>	150 W

## EFFICIENCIES

<b>Total System Efficiency</b>	159 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

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

## ELECTRICAL

<b>Working Temp Range</b>	0 to 45 °C
<b>Input Frequency</b>	50 Hz
<b>Switch Type</b>	Inline
<b>Power Factor</b>	0.95
<b>Inrush Current</b>	80 A
<b>Inrush Duration</b>	250uS (50%) uS
<b>Maximum Wattage</b>	150 W
<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>Surge Protection L-N</b>	6kV
<b>Surge Protection L/N-PE</b>	6kV

## LAMP

<b>Colour Rendering Index (CRI)</b>	>80
<b>LED Type</b>	Diffused
<b>CCT Configuration</b>	Single
<b>Macadam Steps (SDCM)</b>	5-step MacAdam Ellipse
<b>Beam Angle</b>	110 °

## LED LIFETIME

<b>LED Lifetime</b>	60000 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 (10K)
<b>TM-21 Test Hours</b>	10000 hrs

## COLOUR TEMPERATURE

<b>CCT Colour</b>	Daylight
<b>LED Wattage</b>	150 W
<b>Luminaire Lumens</b>	23850 lm

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

<b>CCT</b>	50000 K
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## DRIVER

<b>Driver Type</b>	Fixed output
<b>Driver Included</b>	Yes
<b>Integrated Driver</b>	No
<b>Dimmable</b>	No
<b>Flex &amp; Plug or Lead Length</b>	1500 mm
<b>Wiring Type</b>	Flying leads (3 wire)
<b>Driver Mode</b>	Constant Current
<b>Driver Current</b>	750 mA

## 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 IEC 62031 IEC/TR 62778 IEC 62471
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## WARRANTY

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

<b>Domestic Use Warranty</b>	3 RTB (Total 3 Years)
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## DIMENSIONS

<b>Product Height</b>	360 mm
<b>Product Length</b>	261 mm
<b>Product Width</b>	128 mm

## LINE DRAWINGS

### AT9815/150

