

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

Order code	14476
Description	Zenix 100W LED Floodlight - 5000K
Driver Type	Fixed output
Item Code	AT9815/100
Driver Power	100 W

EFFICIENCIES

Total System Efficiency	160 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

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

ELECTRICAL

Working Temp Range	0 to 45 °C
Input Frequency	50 Hz
Switch Type	Inline
Power Factor	0.95
Inrush Current	80 A
Inrush Duration	200uS (50%) uS
Maximum Wattage	100 W
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%	
Surge Protection L-N	6kV
Surge Protection L/N-PE	6KV

LAMP

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

LED LIFETIME

LED Lifetime	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.	

LED Lifetime Rating	L70 B10 (10K)
TM-21 Test Hours	10000 hrs

COLOUR TEMPERATURE

CCT Colour	Daylight
LED Wattage	100 W
Luminaire Lumens	16000 lm

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

CCT	5000 K
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DRIVER

Driver Type	Fixed output
Driver Included	Yes
Integrated Driver	No
Dimmable	No
Flex & Plug or Lead Length	1500 mm
Wiring Type	Flying leads (3 wire)
Driver Mode	Constant Current
Driver Current	500 mA

COMPLIANCE

Daily Use	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.

Standards	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

VIP Warranty	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.

Domestic Use Warranty	3 RTB (Total 3 Years)
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DIMENSIONS

Product Height	325 mm
Product Length	241 mm
Product Width	100 mm

LINE DRAWINGS

AT9815/100

