



 **COOLON**

AZIZ LIGHT™

160W LED High Bay

A compact, bright and versatile high bay

The AZIZ LIGHT™ is an extremely robust LED high bay luminaire that has superior performance due to its tempered glass lens and cold-forged pure aluminium body.

Perfect for the processing plant and warehouse applications.

Designed for use in:

- Warehouses
- Processing Plant
- Public Spaces
- Retail Stores
- Sports Halls



DESIGNED &
MANUFACTURED
IN AUSTRALIA



Solid Body Aluminum

AZIZ LIGHT™ can be used in warehouses, sports facilities, retail stores and many other applications. No matter what the use is, AZIZ LIGHT™ installations result in reduced energy bills and maintenance, and a short payback period.

Enhanced Optical Performance

High intensity light output. Over 140 lm/W efficacy. Low power consumption. Long life endurance. AZIZ LIGHT™ is everything you could possibly wish for in a high bay



COOL SURFACE TEMPERATURE

Coolon's industrial LED fittings have a much lower surface temperature than traditional HID equivalents which prevents dirt from baking onto the luminaire. This allows for easier cleaning and prolongs the lifespan of the luminaire.



INSTANT ON/OFF

LEDs do not have a warm up period. Instant on to 100% output translates to no downtime, improved safety and the ability to utilize sensor switching to significantly reduce energy usage.



NO FLICKERING

LED luminaires run on constant low voltage DC power and do not produce any visible stroboscopic effects. This reduces strain on the eyes and significantly improves safety in areas where moving machinery is present.



LONG USEFUL OPERATING LIFE

At Coolon we believe the lifetime of a luminaire is so much more than just the LED's. Coolon product lifetime takes the entire luminaire into consideration and each product is backed by a comprehensive warranty – that's the Coolon confidence.



UNRESTRICTED BURNING POSITION

Coolon's LED luminaires can be positioned and oriented in any direction without affecting the lifespan of the product. This provides greater flexibility when it comes to aiming angles and orientation.



QUALITY WHITE LIGHT W/ HIGH CRI

This luminaire emits light with a spectrum closely resembling that of natural daylight with a relatively high colour rendering index (CRI) greater than 80, enabling excellent colour differentiation.



3 YEARS FACTORY WARRANTY

Coolon luminaires are covered by a comprehensive manufacturer's warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.

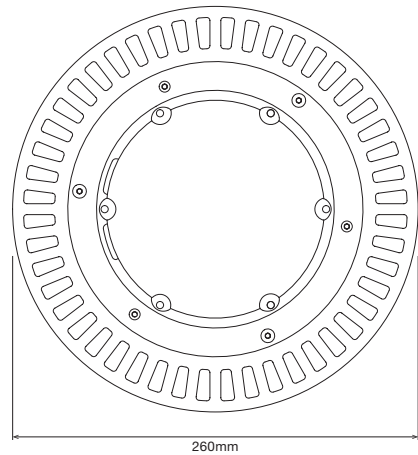
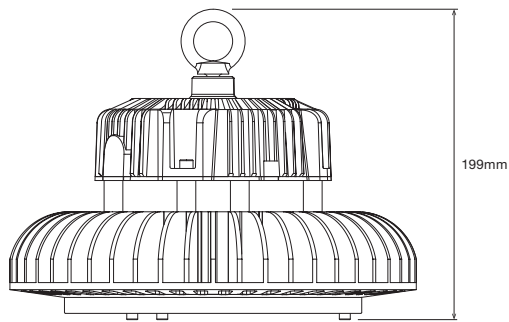


PROUDLY MADE IN AUSTRALIA

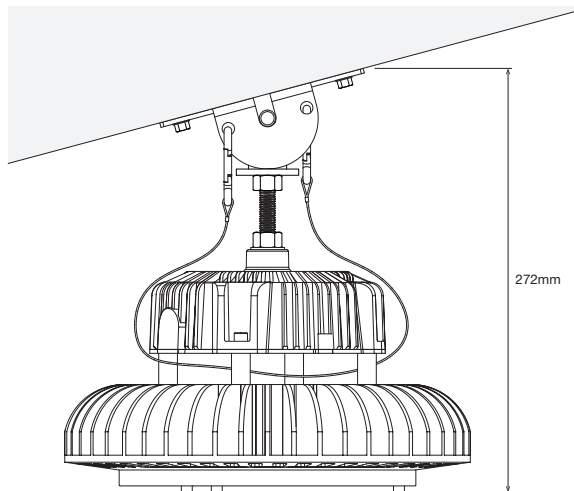
Our products are designed and manufactured in Australia. Engineered to perfection, using the best quality components and highly skilled labour, each luminaire is thoroughly tested to ensure excellence in performance.

DIMENSIONS

AZIZ LIGHT™ 160W Hook Mounted



AZIZ LIGHT™ 160W T-Bolt Swivel Bracket



TECHNICAL SPECIFICATIONS

Product	AZIZ LIGHT LED High Bay
Model	AZIZLIGHT-160
Optical Characteristics	
Luminous Flux (Photometered)	19,733 - 20,087 lm
CCT	CWT
Electrical Characteristics (Luminaire & Power Supply)	
Power Consumption	143W at 25°C
Nominal Voltage	230VAC
Voltage Range	100 – 305VAC / 127 – 431VDC
Frequency Range	47 – 63Hz
Power Factor	>0.95 / 277VAC
Cable Type	Standard 3 Core Flex w/ Molded 3 pin AU Plug
Cable Length	1.5m
Inrush and Leakage Currents ^{2,3}	
Peak Inrush Current (A) @230V	50.4
Duration - twitdth (ms)	1.1
I _{Δt} (A²S)	3.14
Leakage Current (mA)	<0.75mA @ 230V / 60Hz
Maximum number of luminaires per MCB @ 230V ⁴	
B16	10
C16	15
D16	20

Environmental	
IP Rating	IP66
Operating Temp. Range	-20 to +50°C
Thermal Management Type	Active/Continuous
Expected Lifespan	50,000 Hours to 70% Brightness
Material Composition (Body)	Cold Forged Aluminium
Material Composition (Cover)	Tempered Glass
Material Composition (Bracket)	Stainless Steel

Weight/Packaging	HKM	SWB
Luminaire Weight	4.3kg	4.6kg
Packaging Weight	5.2kg	5.5kg
Packaging Dimensions	320 x 320 x 230mm	

Compliance (Safety Standards)	
AS/NZS60598.1	Luminaires - General Requirements and Tests
AS/NZS 60598.2.3	Luminaires - Particular requirements - For road and street lighting

Compliance (EMC)	
AS/NZS CISPR15	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment

Warranty	
Warranty	3 years warranty as standard 5 years extended warranty optional

¹ Optical and electrical characteristics are measured using Cool White LEDs (CWT)

² Note: At 230VAC input, 25°C cold start, 10%I_{pk}-10%I_{pk}.

³ Reading taken while test unit operating in steady state. Ambient temperature during testing is typically 25°C. Individual unit behaviour may differ due to electronic component tolerance and ambient conditions. Product parameters and application suitability shall be checked by the user prior to commissioning.

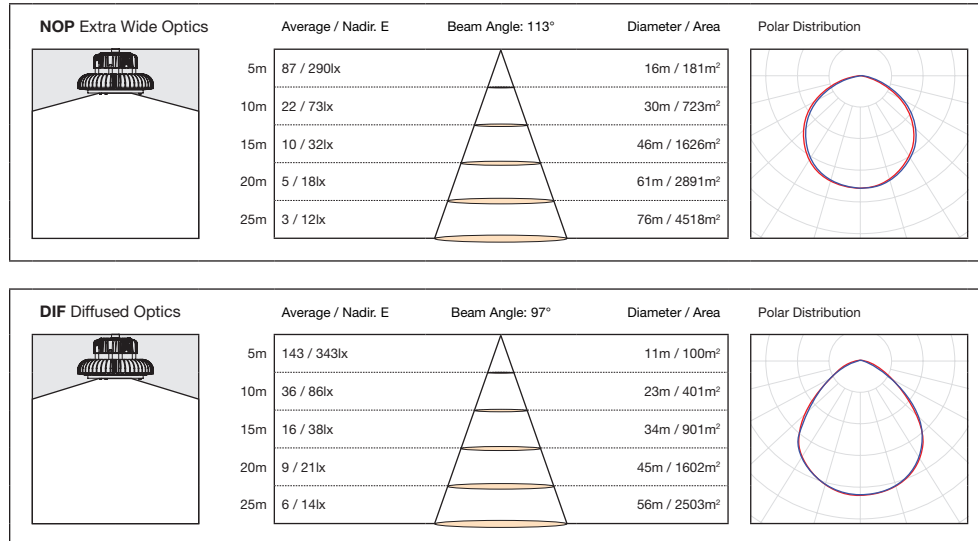
⁴ Number of Luminaires is subject to relative MCB properties, assuming a 30mA leakage current limit and MCB steady state current load not exceeding 60%, 70% and 80% for the B, C, D type MCB respectfully.

COLOUR TEMPERATURES



All colour temperatures are indicative. Some variation can occur.

ILLUMINANCE AT DISTANCE



ORDERING EXAMPLE

AZIZLIGHT - 160 - CWT - NOP - HKM - MP

PRODUCT TYPE COLOUR TEMP OPTICS MOUNTING SUPPLY OPTION

PRODUCT	TYPE	COLOUR TEMP	OPTICS	MOUNTING	SUPPLY OPTION
AZIZ LIGHT™	160 160W	CWT Cool White	NOP Extra Wide Optics	HKM Hook Mounted	MP Mains Powered
			DIF Diffused	SWB T-Bolt Swivel Bracket	