

ATHENA II AISLE LIGHT 32W

The Athena Aisle Light is an ultra high efficiency, rugged LED light fixture designed for tunnel and aisle lighting in demanding industrial environments. Light modules can be daisy chained while maintaining independent addressability with optional wireless intelligence.



Light Source:

Light Source:	256 x Luxeon LED
Light Output:	4,600 lm nominal
LED Efficacy:	187 lm/W nominal
Lamp Power:	28W
Operating Life:	> 143,000 hrs L90 Projected L70 > 450k hrs
Colour Temp:	White 4000K nom.
Colour Rendering:	80 CRI
Output:	No UV or IR
Dimming:	0-100%

Power Supply:

Power Supply:	Integrated within fitting
Power Factor:	98% throughout dimming
Supply Efficiency:	~98%
Input Power:	32W (29W @ 24V AC)
Input Voltage:	240V AC (or 24V AC/DC)
THD	<20%
MTBF	3,500,000 hrs @ 25°C
Connector:	DB9

Environmental:

Surge Protection:	Varistor 1.2kA 28J
Ambient Temp:	-40°C to 50°C
Operating Temp:	54°C at 25°C ambient
Fixture Efficacy:	144 lm/W Typical
Rating:	IP20

Control:

Lights within the daisy chained group can be linked to an autonomous wireless control module that manages occupancy sensing and daylight harvesting within the group, while interacting with neighbouring groups. Individual lights within the group can be dimmed to optimise power saving. No additional control system is required.

Optional Sensing of:

- Forklifts – RF Beacon
- General Motion - Microwave
- Ambient Temperature
- Ambient Light
- Hazardous Vapour

Applications:

Aisle, Tunnel, Car Park, Industrial Lighting.

Installation:

Suspended or Unistrut clamp. Standard pipe diameter.

Mechanical:

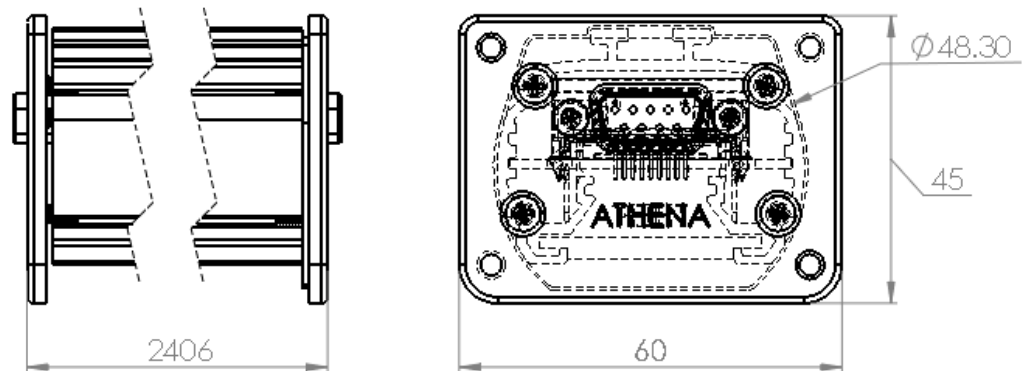
The housing is fully corrosion resistant in Aluminium & Stainless Steel with a design life of 20 years.

Body material: Aluminium

Dimensions: 2,400mm x 48mm dia

Weight: Approx 2.6kg

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Features

Highly Efficient: 4,600 lumens from 32W for 144lm/W fixture efficacy.

Extreme Operating Life: > 143,000 hrs at 90% lumen maintenance with MTBF of 3,500,000 hrs at 25°C.

Extreme Operating Conditions: Runs down to -40°C with instant start.

Plug and Play: Self contained, self configuring network. Provides data transport for additional sensors.

Daisy Chain Modules: Luminaires can be bolted end on end, or joined with standard DB9 data cables. Only low voltages (24V) present for safety.

Forklift proximity detection: Senses forklift proximity and illuminates a working area around the forklift. Static or fully dynamic (under motion).

Occupancy Sensing: Optional PIR sensor allows adaptive lighting strategies and occupancy monitoring.

Daylight Harvesting: System wide detection of ambient light conditions reduces amount of "fill in" lighting required.

Task Tuning: Individual (or groups) of luminaires can maintain different target light levels to suit tasks being performed in their areas.

Zone Control: Luminaires can be grouped into zones for grouped control strategies (for example, loading bay vs aisle racking)

Addressable: Luminaires are uniquely addressable for unique control strategies (or sensor monitoring) independent of electrical wiring.

Continuous Dimming: Light level from 0-100% in 200+ steps for smooth lighting transitions. Ramp rates fully programmable.

Safe: No glass, mercury, UV or IR. No hazardous waste – recyclable.

Future Proof: Meets or exceeds DesignLights Consortium Intelligent Controls requirements 2016