



26 COWPER STREET, FIRST FLOOR,
LONDON. UNITED KINGDOM
EC2A 4AP

Spec Sheet ASTON LED

London High Bay

LDN10 (2024 Model)



Introduction



The London 10 (LDN10) is a high-performance LED High Bay luminaire designed to deliver exceptional luminous efficiency and adaptability for industrial and commercial environments. With an efficiency of up to 200 lm/W, Zhaga connectivity, and a compact design, it is ideal for installations that require high-performance lighting with low energy consumption.

Features

1. Lifespan: L90 at 50,000 hours. L80 at 100,000 hours. L70 at 160,000 hours.
2. Warranty: 5 years.
3. Protection Rating: IP65 (dust-tight and water-jet resistant).
4. Impact Resistance: IK08 (high impact resistance).
5. Luminous Efficiency: Up to 200 lm/W.
6. Standard Zhaga Receptacle: Enables intelligent control.
7. Mounting Options: Loop hanging or ceiling mounting.
8. Maximum installation height: With PIR sensor: up to 12 meters. With microwave sensor: up to 15 meters.
9. Adjustable Power: Three selectable levels (e.g., 100 W, 80 W, 60 W), providing flexibility to meet various lighting needs.

Applications

- Warehouses.
- Factories.
- Industrial and chemical facilities.
- Exhibition centers.
- Stadiums and sports centers.
- Toll stations.
- Shopping centers.

Certifications



Technical Specifications

Model No.	LDN10 - 100W	LDN10 - 150W	LDN10 - 200W	LDN10 - 240W
Power Consumption (Selectable)	100W / 80W / 60W	150W / 120W / 90W	200W / 160W / 120W	240W / 190W / 145W
Luminous Flux ($\pm 5\%$, Ra70)	20,000 lm	30,000 lm	40,000 lm	46,800 lm
Efficiency Ra70	200 lm/W	200 lm/W	200 lm/W	195 lm/W
Luminous Flux ($\pm 5\%$, Ra80)	16,000 lm	24,000 lm	32,000 lm	38,400 lm
Efficiency Ra80	160 lm/W	160 lm/W	160 lm/W	160 lm/W
Correlated Color Temperature (CCT)	5,000K (Optional: 3,000K to 6,500K)			
Color Rendering Index (CRI)	Ra70 (Optional: Ra80)			
Driver	Constant current			
Voltage	120-277VAC, 50/60 Hz			
Power Factor	≥ 0.92			
Surge Protection	6 kV (line-to-line, line-to-ground)			
Net Weight of Luminaire	1.8 kg	2.0 kg	2.3 kg	2.6 kg
Material	Aluminum alloy, polycarbonate optical lens			
Mounting Options	Loop Hanging, Ceiling Mount			
Operating Temperature	-30°C to +50°C	-30°C to +50°C	-30°C to +50°C	-30°C to +50°C
Lifespan	L90 at 50,000 hours L80 at 100,000 hours L70 at 160,000 hours			
Dimable	Yes (0-10V / DALI)			
Intelligent Control	PIR Sensor (optional), Microwave Sensor (optional). Zhaga receptacle.			
Protection Ratings	IP65, IK08			