

ASTON

Spec Sheet ASTON LED

London High Bay

LDN05



Introduction



The LDN05 is a premium LED High Bay luminaire offering outstanding luminous efficacy of 150 lm/W. Designed with a robust housing structure (IP65) and an external driver for enhanced heat dissipation, it ensures both durability and optimal performance. Suitable for a wide range of applications, including wholesale and distribution channels, the LDN05 features a compact and lightweight design. Available in wattage options from 100 W to 200 W and various lumen packages, it serves as an ideal replacement for traditional halogen high bay fixtures.

Features

1. LED service life: 101,000 hours at 30°C (L70).
2. 5-year warranty.
3. External driver improves heat dissipation.
4. IP rating: IP65.
5. IK08 double protection.
6. High efficacy of up to 150 lm/W.
7. Optional: built-in PIR sensor.

Applications

- Warehouses.
- Factories.
- Indoor areas: Stairways, lobbies, receptions.
- Hospitals, laboratories, and other controlled environments.
- Offices and schools.

Certifications

CE RoHS

Technical Specifications

Model No.	LDN05-100W	LDN05-120W	LDN05-150W	LDN05-200W
Power Consumption (W)	100 W	120 W	150 W	200 W
LED Type	LED 2835 – SMD Chips			
Luminous Flux (±5%)	15,000 lm	18,000 lm	22,500 lm	30,000 lm
Efficacy (5000K, Ra70)	150 lm/w			
CCT	5,000K (Optional: 3,000K or 4,000K)			
CRI	Ra70 (Ra80 optional)			
Power Supply	LIFUD			
Input Voltage	100-277 VAC / 220-240 VAC			
Power Factor	≥ 0.95			
Surge protection	4kV (line-to-line), 6kV (line-to-earth)			
Luminaire Net Weight	1.8 ± 0.3 kg	2.5 ± 0.3 kg	3.1 ± 0.3 kg	
Material	Aluminum Alloy, Polycarbonate Optical Lens			
Mounting Option	Loop Hanging / Ceiling Mounting			
Operating Temperature	-30°C to +50°C (standard)			
Lifetime	> 101,000 hours			
Dimmable	Yes (optional)			
Intelligent Control	PIR Sensor (optional), Microwave Sensor (optional)			
IP/IK Rating	IP65 / IK08			