



HBA LED Highbay Light
100W/150W/200W



100+ Patent Certificates
\$1,000,000+ Annual Energy Saving
10,000+ Projects Successfully Installed

**Better Performance
Starts From Better Lighting**
www.aokledlight.com

> Features of HBA Series

• HBA series is designed for Indoor and Industrial lighting, a superior high output, high efficiency LED high bay light, featuring a unique optical design that virtually eliminates glare with minimal impact on performance. It is available in a variety of distributions for lighting applications such as gyms, industrial, multi-purpose rooms in schools, churches, and retails, etc.

- Patented design
- System efficiency 160 lm/W ,210lm/W optional
- High efficiency driver, PF > 0.95
- Lumileds 2835 LED light source, CRI: 80
- ADC12 aluminum die casting housing , perfect heat dissipation
- Available with 60°/ 90°/120° beam angle
- 3000K / 4000K / 5000K / 5700K / 6500K CCT
- Long life span , L90B10 > 52,000 Hours

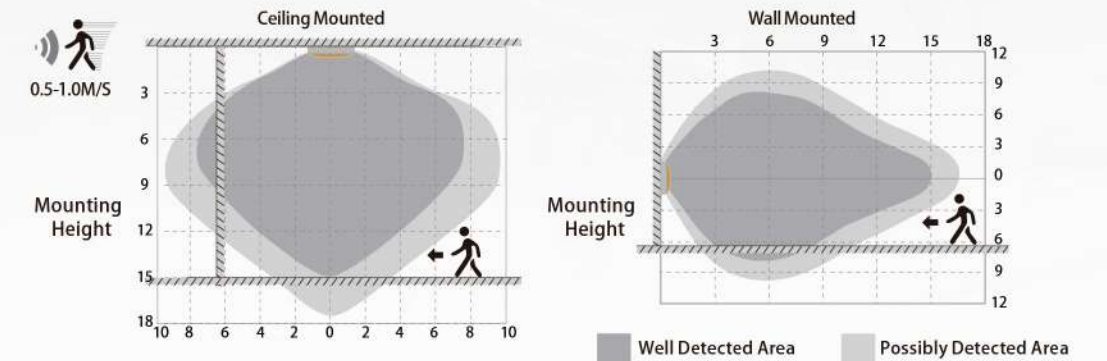
UP TO 210 lm/W	100-277V OR 277-480V 50/60HZ	Working Temperature Environment -40°C~45°C (-40°F~+113°F)	• 3000K • 4000K • 5000K • 5700K • 6500K
L90B10 >52000 hrs @ 25°C	THD <20%	IP65 IK09	CRI 80
Smart Sensor	DALI CONTROL	DIM	

Note: Normal Voltage=100-277VAC, High Voltage=277-480VAC, please evaluate before choosing. For the power supply in the United States and Canada, in case the input voltage fluctuation ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.



12VDC HIGHBAY MICROWAVE SENSOR WITH ZHAGA 18 RECEPTACLE HD06VCRH 7B

- On/Off Control
- Detection Area
- Daylight Sensor
- 5 Year Limited Warranty
- Stand-by period
- Stand-by dimming level
- Hold Time
- 10-15M Highbay
- Remote Control



Technical Data

Operating Voltage 10.5-15V DC	Detection Area Correct Required<30mA 25%/50%/75%/100%	Mounting Height Max.15m/49.2ft Ceiling Mounted
Output DIM1-10V	Holdtime 5s/30s/1min/3min/5min/10min/20min/30min	Detection Range Max.ø16m/52.49ft Ceiling Mounted
Standby Consumption <30mA Power Consumption	Daylight Threshold 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable	Motion Detection 0.5~1m/s
Microwave Frequency 5.8GHz±75MHz	Stand-by Period 0s/10s/30s/1min/5min/10min/30min/60min+∞	Temperature -20°C~+60°C
Microwave Power <0.3mW	Stand-by Dimming Level 10%/20%/30%/50%	IP Rating IP65

Daylight Priority Function
Daylight priority function works when daylight threshold preset as 20Lux/80Lux/50Lux/30Lux, standby period as +∞ and standby dimming level as 10%/20%/30%

5 10 WARRANTY
5 Year Limited Warranty,
10 Year Preferred Warranty.
Please consult with our sales for detailed agreement.

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> Application Reference



Parameter Table

Electrical Data

Model	AOK-HBA100	AOK-HBA150	AOK-HBA200
Power(W)	100W	150W	200W
Input voltage	Normal Voltage=100-277VAC, High Voltage=277-480VAC, please read *Note-1 before choosing.		
THD	<20%		
PF	>0.95		
Control Option	0-10V, PWM, Resistor, AUX: 12V/0.15A. Occupancy and motion sensor, DALI control optional.		
Operating temperature	-40°C to 45°C (-40 °F to 113 °F)		

Photometric Data

Efficacy(lm/W, Std. Dev ±5%)	160lm/W (Please refer to IES for exact data)		
Luminous flux (lm, Std. Dev ±5%)	16000lm	24000lm	32000lm
Efficacy(lm/W, Std. Dev ±5%)	200lm/W~210lm/W (Please refer to IES for exact data)		
Luminous flux (lm, Std. Dev ±5%)	20000lm	30000lm	40000lm
ULOR	= 0%, @ Luminaire inclination 0°		
CCT	3000K, 4000K, 5000K, 5700K, 6500K		
CRI	Ra80		
Beam angle	60D/90D/120D		
LED Manufacturer	Lumileds		
LED model	2835		
Lens	Polycarbonate (Better impact resistance than glass)		

Mechanical Data

IP/IK	IP65/IK09, according to standard EN 60529 and EN 62262		
Housing/Materials	Heavy-duty die-cast aluminum (ADC12)		
Surface treatment	Anti-UV thermosetting polyester (for extremely corrosive environments).		
Painting	Black, Custom on request		
Cable	Pre-wired with a 30 cm cable (Other lengths on request)		
Mounting	Hook		

Others

Lifespan	L90B10 > 52000hrs, @Ta 25°C		
Warranty	5 years (Warranty extension up to 10 years on request)		
Certification	UL/cUL/FCC/ROHS/CE/SAA,/For other certificates please request		
Product size	∅278*189.1mm / ∅10.9*7.4 inches	∅320*189.1mm / ∅12.6*7.4 inches	∅360*196.2mm ∅10.9*7.7 inches
Net weight	1.72kg / 3.79 lbs	2.14kg / 4.72 lbs	2.64kg / 5.82 lbs
Carton size	300*300*160mm / 11.8*11.8*6.3 inches	350*350*165mm / 13.8*13.8*6.5 inches	390*390*170mm / 15.4*15.4*6.7 inches
Gross weight	2.18kg / 4.81 lbs	2.72kg / 5.60 lbs	3.36kg / 7.41 lbs
QTY./CTN.	1 PCS/CTN	1 PCS/CTN	1 PCS/CTN

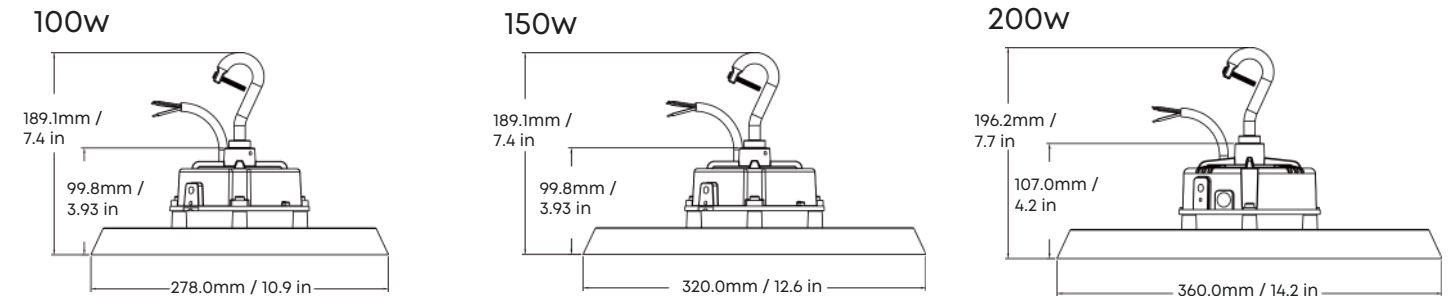
Important note! The provided information is solely for reference; the official measurement report holds higher authority.

* Note-1: For the power supply in the United States and Canada, in case the input voltage fluctuation ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

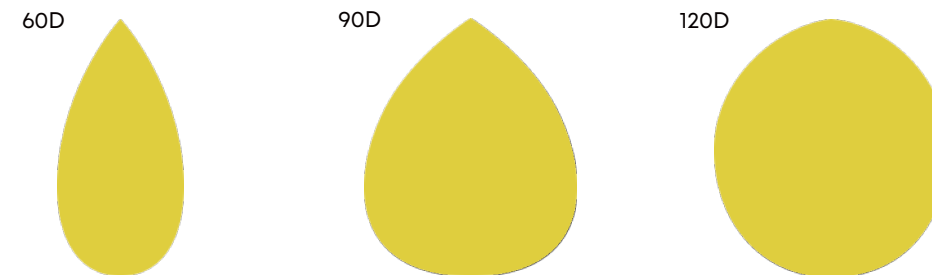
Ordering Information

MODEL	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	OPTION	HOUSING
HBA100	NV=100-277V	L2=LUMILED 2835	00=Without Sensor	3070=3000K 70CRI	60D=60deg	Hook Mount	DALI control	BK=Black
HBA150	HV=277-480V		DV=Dimmable	4070=4000K 70CRI	90D=90deg	Yoke Mount	Reflector	
HBA200			OS=Occupancy Sensor	5070=5000K 70CRI	120D=120deg		AUX Plug	
			MS=Microwave Sensor	5770=5700K 70CRI				
				6570=6500K 70CRI				
				3080=3000K 80CRI				
				4080=4000K 80CRI				
				5080=5000K 80CRI				
				5780=5700K 80CRI				
				6580=6500K 80CRI				

Dimension



Photometrics



Accessories



HBA Series Specification Sheet

*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date content as specifications are subject to change without notice.

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Illuminate Your Future



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