



LED HIGH BAY (HB10)

Applications:

Suitable for power plants, steel mill, refineries, casting foundries, cranes, harsh environments and high temperature applications.

FEATURES

- Offering wattages from 100W-600W, while standard efficiency is 140-160 lm/W and Premium is 175-190 lm/W
- Lumens range from 15,000 to 108,000 lumens
- Ambient Operating Temperature (-40°C to 55°C) & (-40°F to 131°F) offers 100W, 150W, 200W, 240W, 320W, 400W, 500W, 600W
- Ambient Operating Temperature (-40°C to 65°C) & (-40°F to 149°F) offers 240W, 300W, 400W
- Ambient Operating Temperature (-40°C to 80°C) & (-40°F to 176°F) offers 100W, 150W, 200W
- Remote mounted driver is optional for crane applications
- Heavy duty anodized Aluminum heat sink construction with corrosion resistant coating
- Polycarbonate lenses are standard, while tempered and diffused glass are optional
- Mounting options include eyebolt, hook, ½" & ¾" pendant and standard U-bracket
- Input voltage of 110-277 VAC & 277-480 VAC
- Power Factor = >0,95
- Total Harmonic Distortion = <20%
- IP65 Rated for wet locations
- Wireless Wi-Fi networking is optional
- ETL Certified
- Standard 5 and 10-Year Warranty

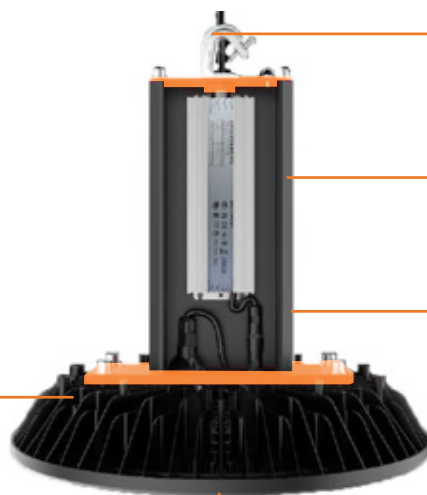


100W-600W



Heavy duty anodized aluminum heat sink construction with corrosion resistant coating

Polycarbonate and glass lens are optional



Hook is standard while eye bolt and 3/4" pendant mounting are optional

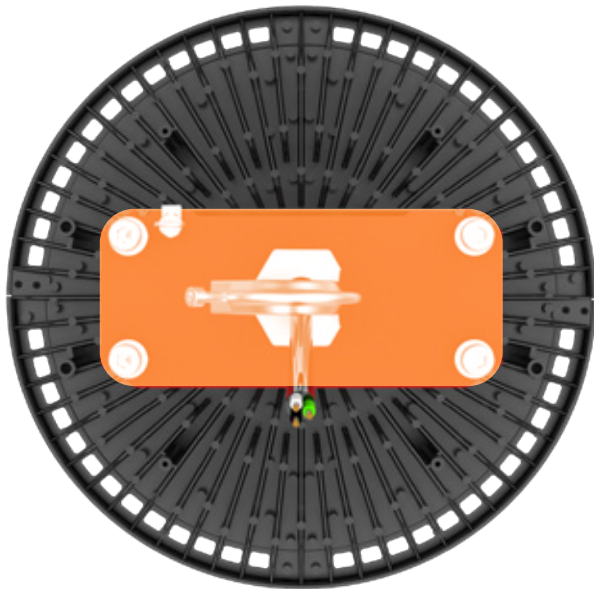
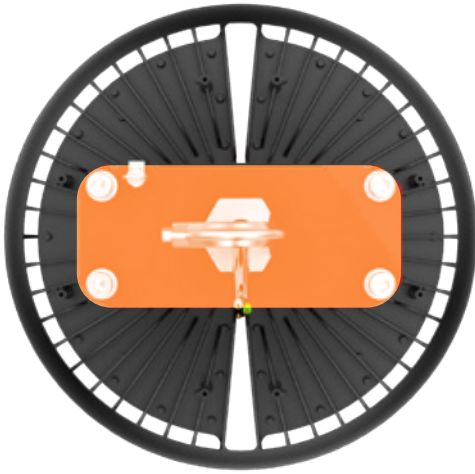
Vertical mounted driver box improves heat dissipation and improves reliability

Driver box side door for easy access to components

Innovative Natural Air Convection Thermal Protection

Vertical LED Driver Box With Ventilated Housing

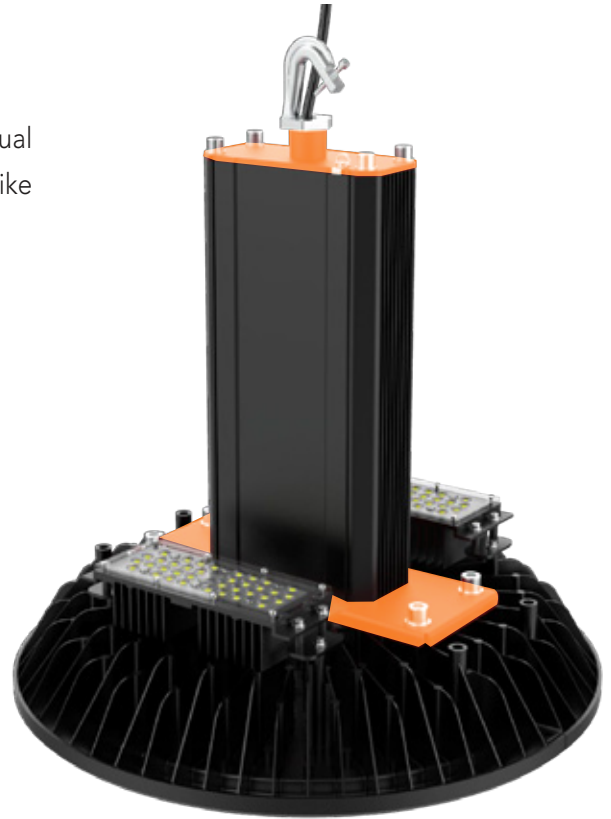
Designed to enhance natural air convection, allowing air to pass through the gaps to dissipate the heat rapidly from all electrical components, reducing temperature by around 30°C, which promotes a long lifespan in high ambient temperatures



Field Installable

Uplight Kit

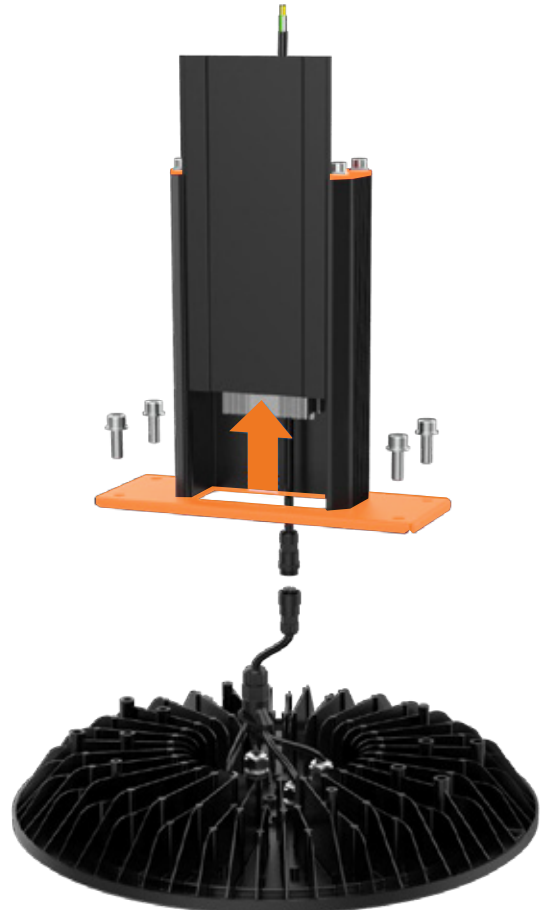
Elimates dark ceilings and corners, reduces glare and the visual contrast between the source and the ceiling. Eliminates the cave-like atmosphere of high bay applications.



Maintenance-Friendly

Driver Housing Side Door

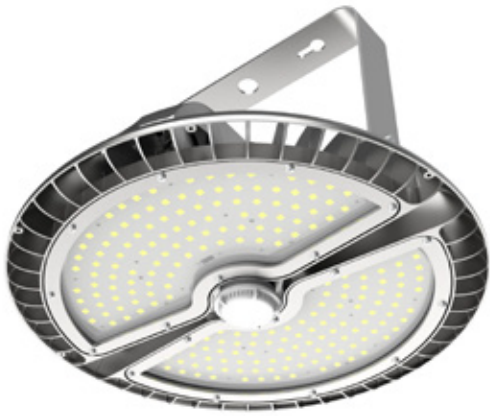
Provides easy access to internal components and cabling connections.



Corrosion Resistant Glass Lens and FKM Lens Gasket Optional

Built For Harsh Environments

- Heavy Duty Anodized aluminum housing with corrosion resistant coating
- Highly resilient lens gasket made from Fluoro-Elastomer FKM material. Glass lens is a superior option for aggressive chemicals, petroleum lubricants, and solvents in high temperature environments.
- IP65-rated to withstand dust, dirt, water and other harsh contaminants.



Crane-Mount Option

Designed to handle vibration and shock produced in crane and rough service operations



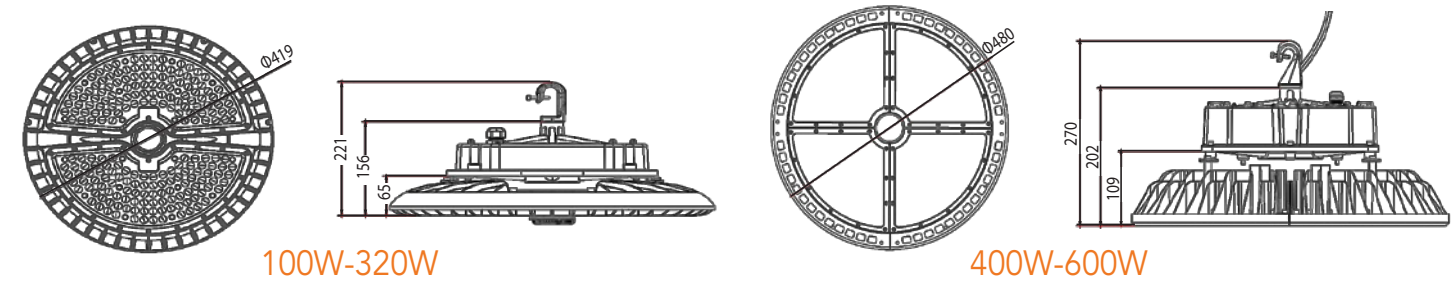
Remote-Mount Option

Protects electronics by allowing them to be mounted in cooler temperatures



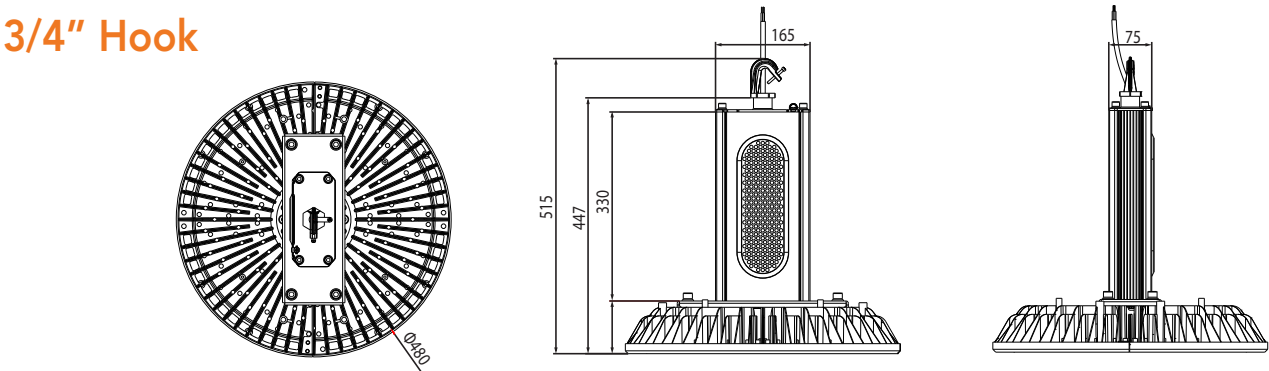
PRODUCT DIMENSIONS

1/2" Hook



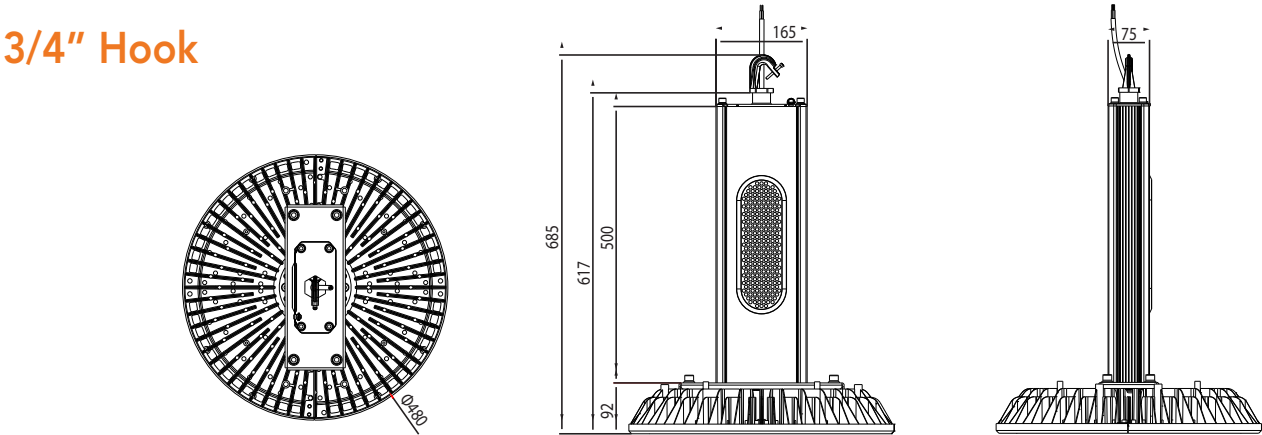
Model	AO-HB10							
Temperature Series	510	515	520	524	532	540	550	560
Temp Rating 55°C	100W	150W	200W	240W	320W	400W	500W	600W
Weight	8KG (17.64 lbs.)					9KG (19.84 lbs.)		

3/4" Hook



Model	AO-HB10				
Temperature Series	540	630	640	810	815
Temp Rating 55°C	400W				
Temp Rating 65°C		300W	400W		
Temp Rating 80°C				100W	150W
Weight	9.8KG (21.60 lbs.)				

3/4" Hook



Model	AO-HB10			
Temperature Series	550	560	650	820
Temp Rating 55°C	500W	600W		
Temp Rating 65°C			500W	
Temp Rating 80°C				200W
Weight	14KG (32.66 lbs.)			

PERFORMANCE DATA

Ambient Work Temperature	AO-HB10	Wattage (W)	Standard Efficiency						Premium Efficiency					
			3000K		4000K		5000K		3000K		4000K		5000K	
			Efficiency (lm/W)	Typical Delivered Lumens (lm)	Efficiency (lm/W)	Typical Delivered Lumens (lm)	Efficiency (lm/W)	Typical Delivered Lumens (lm)	Efficiency (lm/W)	Typical Delivered Lumens (lm)	Efficiency (lm/W)	Typical Delivered Lumens (lm)	Efficiency (lm/W)	Typical Delivered Lumens (lm)
-40°C to +55°C (102.2°F)	510	100	146	14644	151	15122	158	15800	174	17431	186	18614	190	19010
	515	150	145	21825	149	22405	156	23450	165	24780	176	26436	180	27129
	520	200	144	28829	148	29617	151	30206	170	34161	181	36268	185	37148
	524	240	144	34577	148	35579	151	36306	165	39624	176	42267	180	43244
	532	320	142	45665	145	46548	148	47586	163	52232	174	55766	178	57131
	540 ⁽¹⁾	400	141	56625	142	57033	145	58147	161	64559	171	68459	175	70185
	550 ⁽¹⁾	500	142	71043	145	72573	148	74011	163	81753	174	87007	178	89307
	560 ⁽¹⁾	600	145	87280	146	87938	148	89082	163	97880	174	104916	180	108177
-40°C to +65°C (149°F)	630	300	142	42690	145	43535	148	44434	163	48935	174	52378	178	53628
	640	400	141	56445	142	57061	145	58137	161	64608	171	68644	175	70199
	650	500	141	70506	142	71155	145	72761	161	80637	171	85796	175	87506
-40°C to +80°C (176°F)	810	100	148	14826	152	15257	160	16072	174	17481	186	18645	190	19023
	815	150	147	22101	149	22415	155	23344	165	24766	176	26499	180	27058
	820	200	144	28863	148	29687	151	30323	170	34046	181	36304	185	37139

Note 1: 400W, 500W, 600W fixtures are available with horizontal or vertical driver box mounting options, while horizontal mounting is standard for the 55°C temperature series.

PRODUCT SPECIFICATIONS

Model	AO-HB10
Wattage	100W / 150W / 200W / 240W / 300W / 320W / 400W / 500W / 600W
Input Voltage	120-277 VAC / 277-480 VAC, 50-60HZ
CRI	70 Standard (80+ optional)
CCT	5000K (3000K, 4000K available)
Beam Angle	15°, 30°, 60°, 90°, 120° Custom Optional
Power Factor	≥ 0.95
IP Rating	IP65
Warranty	5 years standard (10 years optional)
Certifications	cETL _{us}
Dimming Control	DALI, Zigbee, Bluetooth, Daylight Sensor, Motion Sensor, 0-10V Dimming

ACCESSORIES

Hook
Mount HM1



Adjustable
U Bracket



Hook
Mount HM2



3/4" & 1/2" NPT
Converter
(Note 1)



Loop
(Note 1)



Surge Protection
Device



Eyebolt
(Note 1)



Uplight Kit



Chain Mount
(Note 1)



WireGuard



Note 1: Used with 55°C models only.

ORDERING GUIDE

Example: AO-HB10-510-LV-P-30-W-SR-E-C3-EM1

Fixture Type	Wattage	Voltage	Efficiency	CCT	Beam Angle	Sensor/Wireless Control (Note 1)	Mounting (Note 2)	Power Cord/Plug (Note 1)	Options (Note 2)
AO-									
HB10 High Bay Series	(-40~55°C)	LV 120-277V HV 277-480V	(Omit) Standard 150-155 lm/W P Premium 175-190 lm/W	30 3000K 40 4000K 50 5000K	W 90° PC M 60° PC N 30° PC T 15° PC	(Omit) No Sensor SR Sensor Receptacle Only MS1 Motion Sensor <30ft MS2 Motion Sensor <40ft ZG01 ZigBee Wireless Control DAL DALI Control	E Eyebolt Mount HM1 Hook Mount HM2 Hook Mount PM 3/4" Pendant Mount UM U-Bracket Mount	(Omit) 1ft Cord C3 3ft Cord C6 6ft Cord PL1 5-15P PL2 5-20P PL3 L7-15P PL4 L7-20P PL5 L8-20P	EM1 Emergency Batt. 8W EM2 Emergency Batt. 20W SPT1 10KV Surge Prot. SPT2 20KV Surge Prot. Dim 0-10VDC Dim to Off D Diffused PC 120° G Tempered Glass 120° UL Up Light Kit CM² Crane Mount RM² Remote Mount CP³ Custom Paint SC 6 Ft. Safety Cable
	510 100W								
	515 150W								
	520 200W								
	524 240W								
	532 320W								
	540 400W								
	550 500W								
	560 600W								
	(-40~65°C)								
	630 300W								
	640 400W								
	650 500W								
	(-40~80°C)								
	810 100W								
	815 150W								
	820 200W								

- Note: 1. For example C3-PL1 can be used for a 3 foot cord with a standard 110V plug.
2. Consult with your sales representative in regard to cable lengths.
3. Black is standard, Marine Gray is optional.

Actual performance may differ as a result of end-user environment and application. All values are design or calculated values measured in laboratory conditions. Specifications subject to change without notice.