



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 (-40C to 55°C) & (-40F to 131°F) offers 100W, 150W, 200W, 240W, 320W, 400W, 500W, 600W
- Ambient Operating Temperature (-40C to 65°C) & (-40F to 149°F) offers 240W, 300W, 400W
- Ambient Operating Temperature (-40C to 80°C) & (-40F to 176°F) offers 100W, 150W, 200W, 300W
- 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

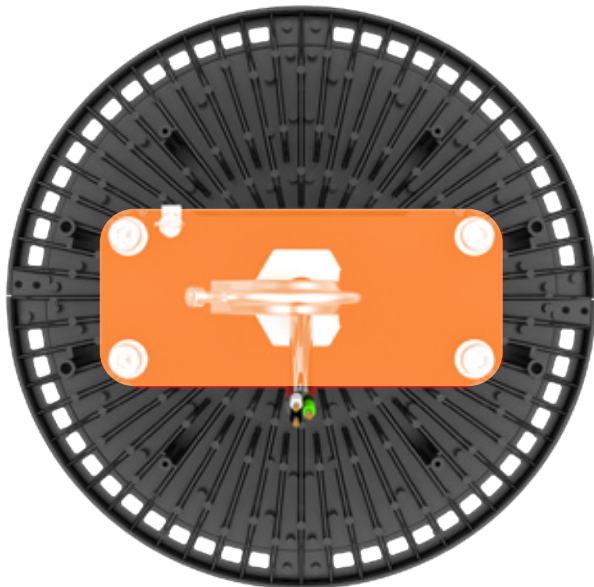
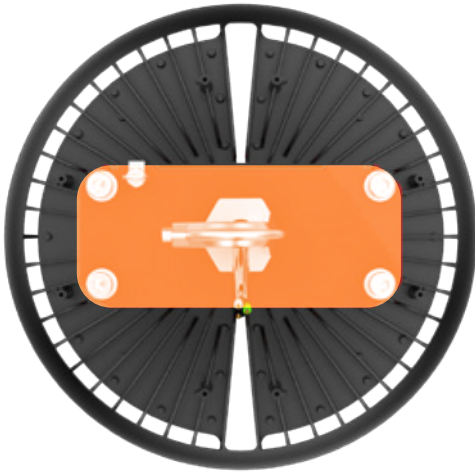
Vertical mounted driver box improves heat dissipation and improves reliability

Driver box side door for easy access to components

Innovative Natural Air Convection Thermal Protection

Vertical LED Driver Box With Ventilated Housing

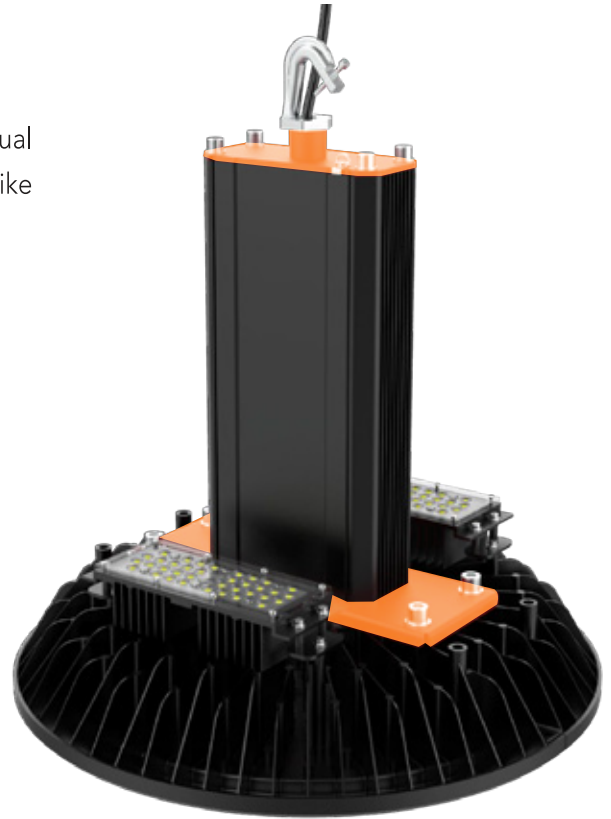
Designed to enhance natural air convection, allowing air to pass through the gaps to dissipate the heat rapidly from all electrical components, reducing temperature by around 30°C, which promotes a long lifespan in high ambient temperatures



Field Installable

Uplight Kit

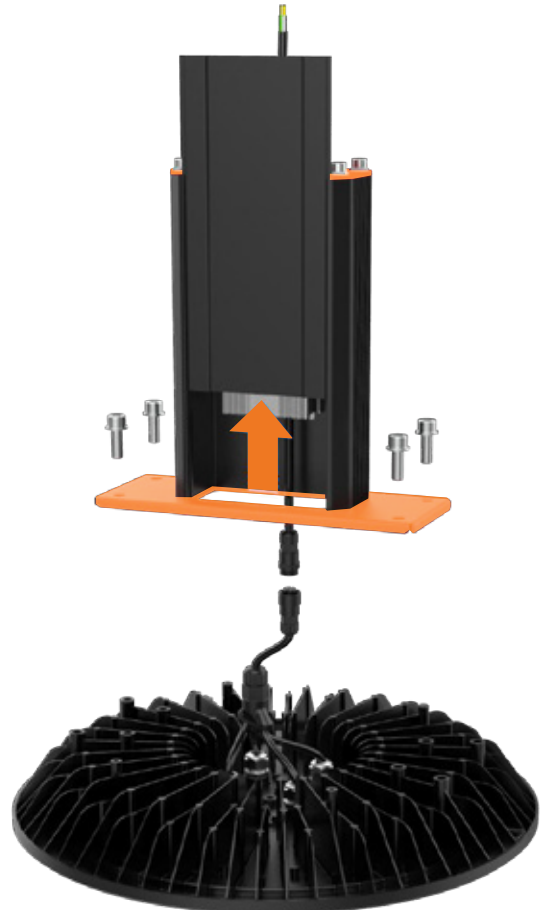
Elimates dark ceilings and corners, reduces glare and the visual contrast between the source and the ceiling. Eliminates the cave-like atmosphere of high bay applications.



Maintenance-Friendly

Driver Housing Side Door

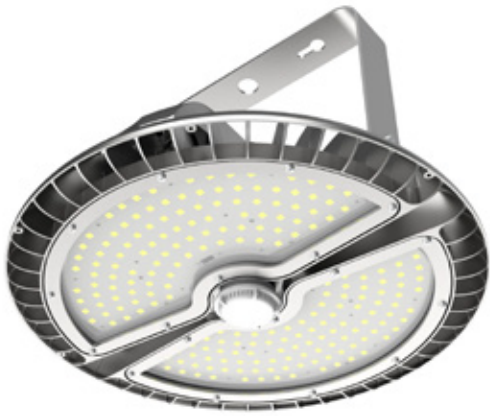
Provides easy access to internal components and cabling connections.



Corrosion Resistant Glass Lens and FKM Lens Gasket Optional

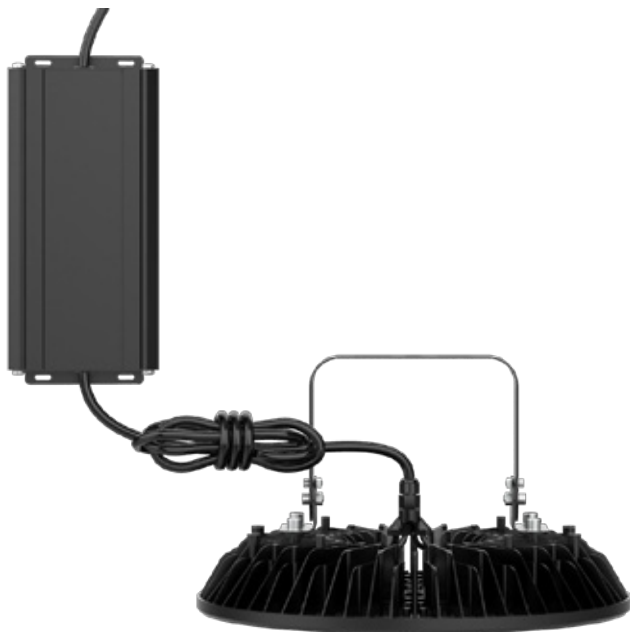
Built For Harsh Environments

- 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

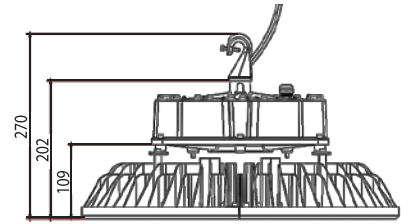


Remote-Mount Option

Protects electronics by allowing them to be mounted in cooler temperatures

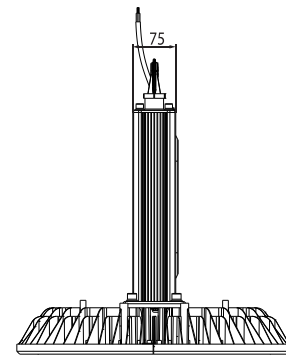


1/2" Hook

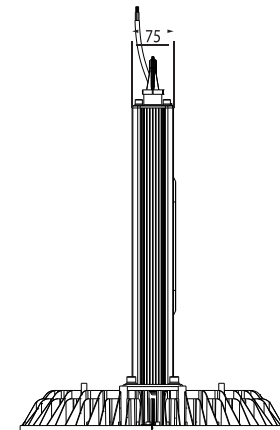


400W-500W

3/4" Hook



3/4" Hook



Model	AO-HB10								
Temperature Series	510	515	520	524	532	624	630	810	815
Temp Rating 55°C	100W	150W	200W	240W	320W				
Temp Rating 65°C						240W	300W		
Temp Rating 80°C								100W	150W
Weight	14KG (32.66 lbs.)								

PERFORMANCE DATA

Work Temperature	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	14632	151	15116	158	15835	174	17473	186	18683	190	19015
	515	150	145	21840	149	22353	156	23436	165	24757	176	26519	180	27082
	520	200	144	28804	148	29737	151	30315	170	34164	181	36229	185	37046
	524	240	144	34636	148	35530	151	36309	165	39786	176	42289	180	43402
	532	320	142	45619	145	46572	148	47556	163	52313	174	55883	178	57057
	540	400	141	56573	142	56883	145	58050	161	64539	171	68551	175	70222
	550	500	142	71324	145	72647	148	74092	163	81631	174	87147	178	89376
	560	600	145	87016	146	87975	148	89134	163	98246	174	104847	180	108251
-40°C to +65°C (149°F)	610	100	146	14367	151	15134	158	15841	174	17470	186	18643	190	19029
	615	150	145	21771	149	22452	156	23427	165	24778	176	26515	180	27126
	620	200	144	28840	148	29611	151	30229	170	34160	181	36247	185	37099
	624	240	144	34574	148	35555	151	36251	165	39735	176	42333	180	43311
	630	300	142	42654	145	43647	148	44492	163	49026	174	52262	178	53569
	640	400	141	56488	142	56955	145	58139	161	64450	171	68408	175	70216
-40°C to +80°C (176°F)	810	100	148	14847	152	15214	160	16058	174	17415	186	18656	190	19029
	815	150	147	22091	149	22394	155	23269	165	24857	176	26424	180	27000
	820	200	144	28894	148	29676	151	30230	170	34167	181	36374	185	37031
	830	300	144	43257	148	44504	151	45369	165	49545	176	52905	180	54202

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-HB10-100-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
	510 100W								
	515 150W								
	520 200W								
	524 240W								
	532 320W								
	540 400W								
	550 500W								
	560 600W								
	(-40~65°C)								
	610 100W								
	615 150W								
	620 200W								
	624 240W								
	630 300W								
	640 400W								
	(-40~80°C)								
	810 100W								
	815 150W								
	820 200W								
	830 300W								

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.