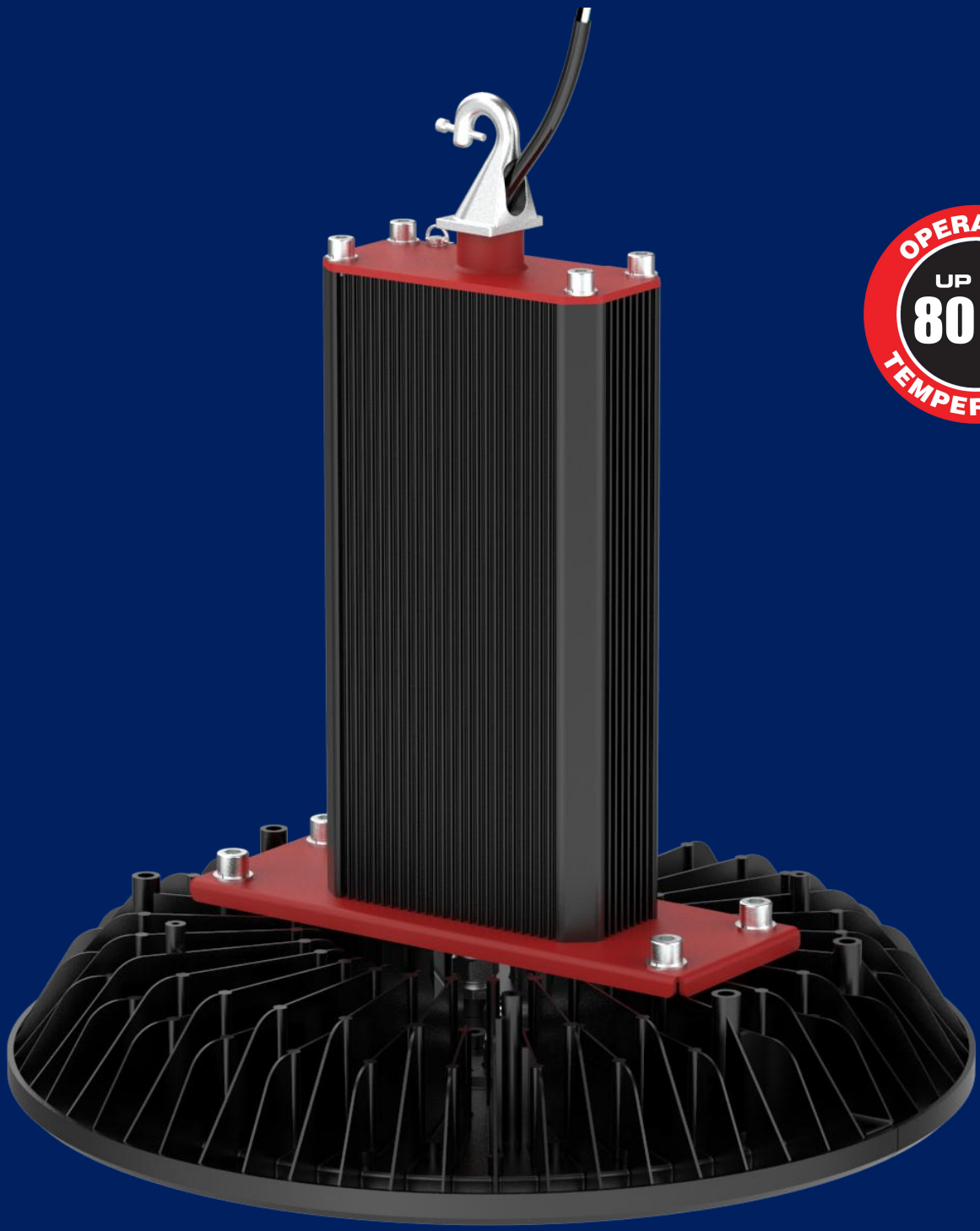


OPERATING TEMPERATURE UP TO 80°C

Cactus Series

Heavy Industry / High Temperature

LED High Bay / Industrial Luminaires

High Ambient Operation Temperature - **Up to 80℃/176℉**

Durable, High Lumen - **Up to 73,000lm**

Built For Heavy Industrial Spaces

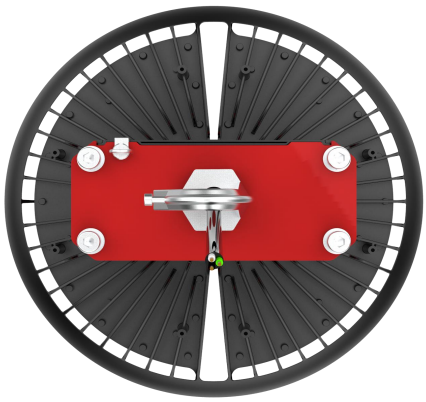
3-5-**10** years warranty

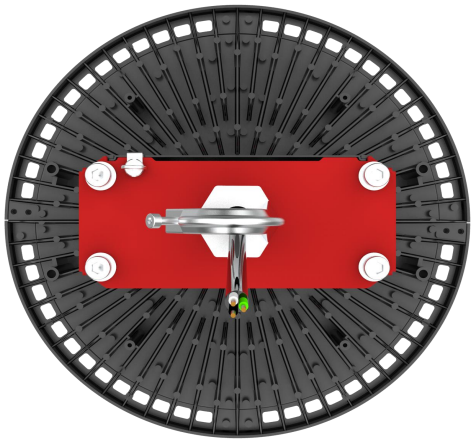
140-**190** lm/W

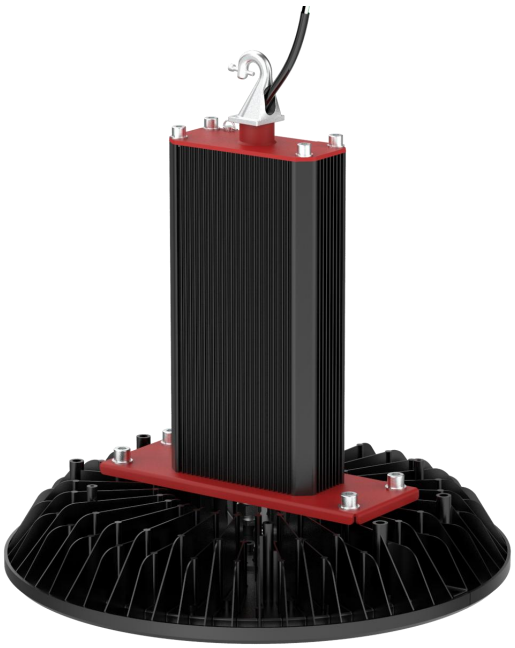
Innovative multi-channel natural air convection thermal protection

Vertical LED driver box & all around ventilated housing

Promotes natural air convect and fully pass through the gaps to dissipate the heat rapidly from vital electrical components, reducing temperature by around 30 ℃, which provides exceptional light output and long lifespan in high ambient temperatures.







Applications

Built for harsh industrial applications in Steel Mills , Casting Foundries , Glass Manufacturing Plants , Automotive Plants , Machining

Power Plant

Heavy Duty Industry

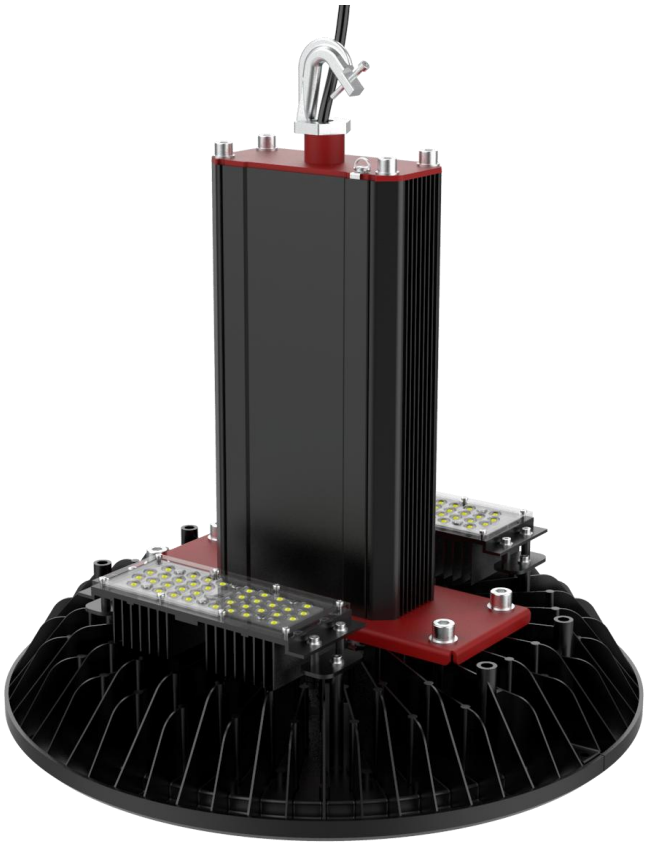
Metal Treatment

Oil and Gas Industry

Field installable

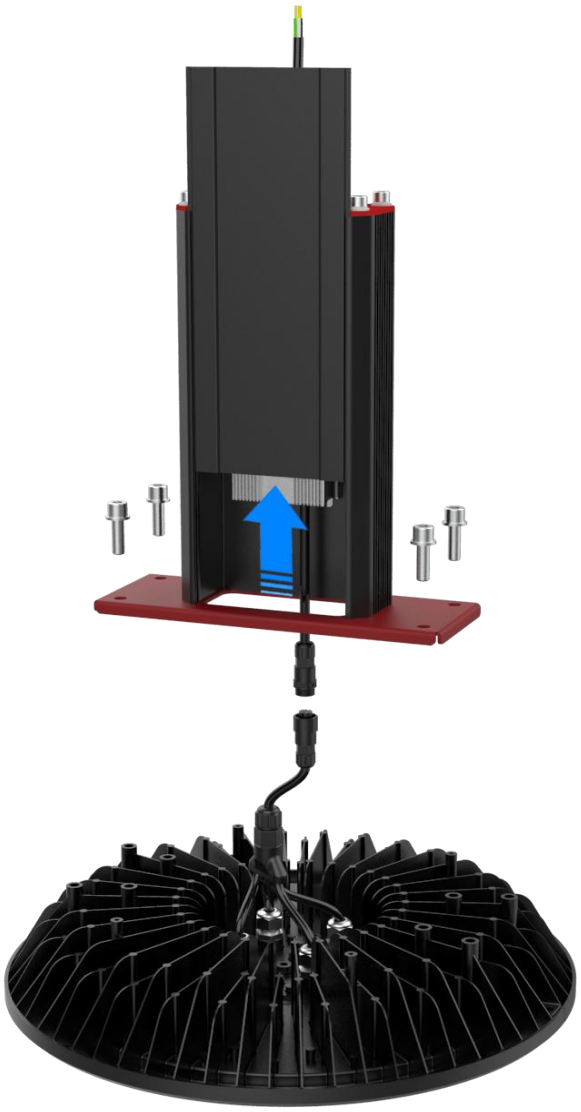
Uplight Kit

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



Maintenance-friendly

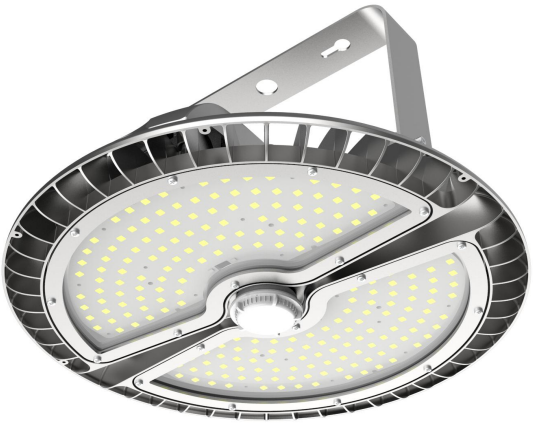
Side Door on the driver housing provide easy access to internal components.



Corrosion Resistant Glass Lens and FKM Lens Gasket Optional

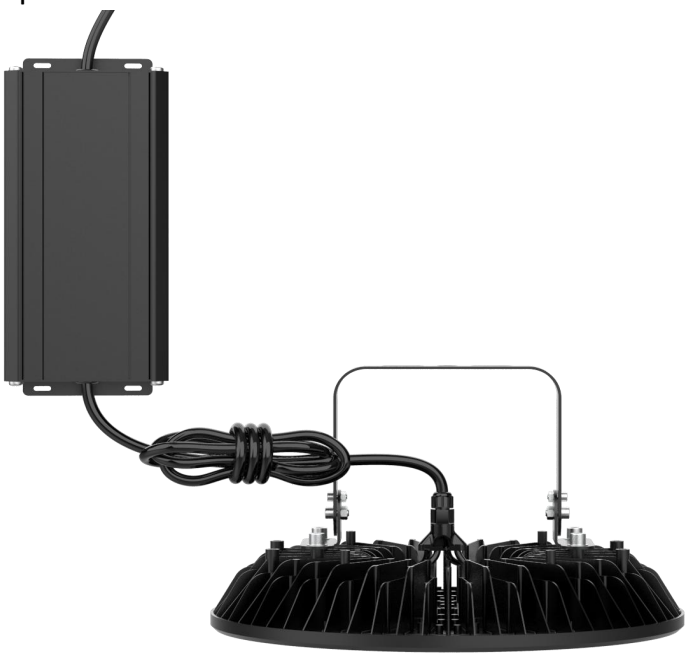
BUILT FOR HARSH ENVIRONMENTS

• Heavy Duty Anodized aluminum housing and corrosion resistant coating
• Highly resilient lens gasket made from Fluoro-Elastomer FKM material. Best choice when dealing with aggressive chemicals, petroleum lubricants, and solvents in high temperature environments.
• IP65-rated optics withstand dust and dirt, and are resistant to chemicals and other degrading elements



CRANE-MOUNT option

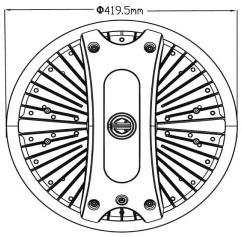
designed to handle vibration and shock produced in crane and rough service operations

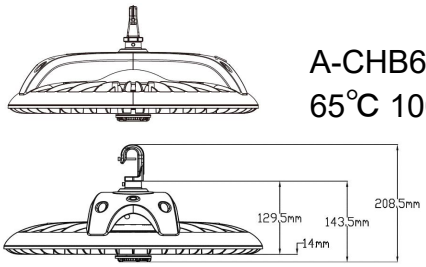


REMOTE-MOUNT option

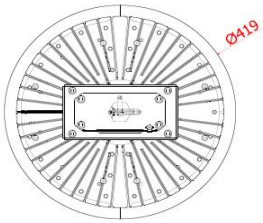
protect electronics by allowing them to be mounted in cooler temperatures

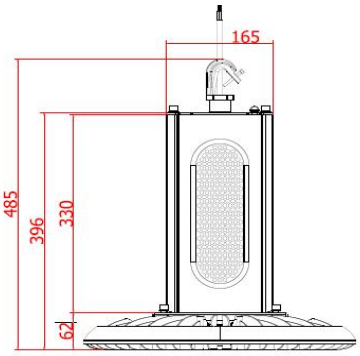
Product Dimensions:

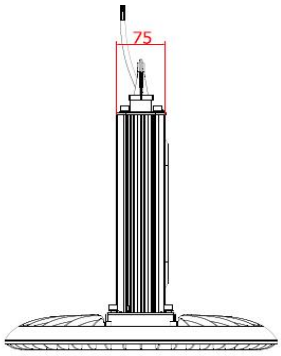




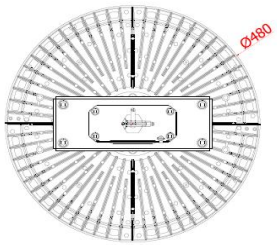
A-CHB610/615/620
65℃ 100W/150W/200W

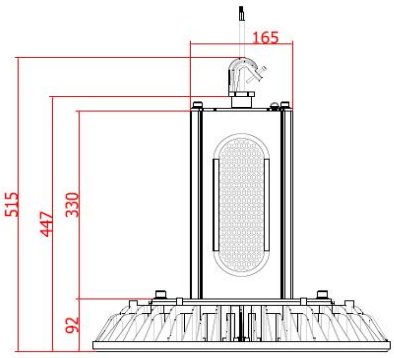


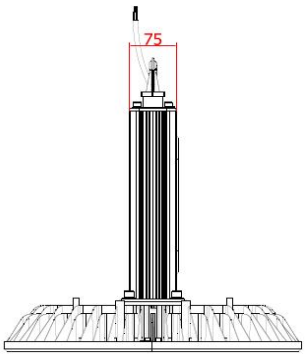




A-CHB624/630/810/815
65℃ 240W/300W
80℃ 100W/150W







A-CHB640/820/830
65℃ 400W
80℃ 200W/300W

Accessories:

Hook 01

Hook 02

Loop

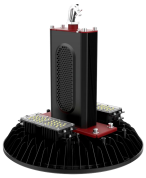
Eyebolt

Chain Mount

Adjustable U Bracket

3/4” NPT Converter

Surge Protection Device



Uplight Kit

Wire Guard

Product Specifications:

LED & Optical Assembly

• CRI: 70+Ra Std (80Ra 90Ra contact factory for lead-time)
• System Efficiency: **Standard**, 140~150lm/W; **Premium**, 175~190lm/W optional.
• Fixture Rated Life: L70 @ 100,000 hrs
• Distribution /Lenses: 15,30,60,90 degree lenses, diffused lens, corrosion resistant Glass Lens, PC refractor, Aluminum reflector optional

Electrical

• Input Wattage: 100W, 150W, 200W, 240W , 300W, 400W
• Input Voltage Range: 100-277VAC(347V and 480V available)
• System Power Factor (PF): >0.95
• Total Harmonic Distortion (THD): <20%

Ratings & Evaluations

• Operating Temperature: –40℃ to +65℃ (-40℉ to 149℉) Up to 80℃ (176℉) optional
• IP65,Suitable For Wet Locations
• Safety: ETL/cETL Listed
• Utility: DLC 5.1 Premium,LLLC Network Control
not all models are DLC listed,Please refer to http://www.designlights.org/QPL for complete information

Controls

• Dimming: 0-10V Dimmable (standard) and Dali2 optional
• Wireless Networking & Sensing:
Sensor ready pluggable receptacl - **SR**
Motion Sensor <30 Ft - **MS1** Motion Sensor <40 Ft - **MS2**
• Compatible with 3rd party smart network control system

Mounting

• Typical Mounting:
Standard Hook Mount, Eyebolt Mount, U Bracket Mount, Yoke Mount, and 1/2" NPT Pipe Mount optional

• Cord & Plugs:
Standard = 1ft cord (no plug)
3ft, 6ft, 10ft, 15ft, 20ft Cord optional;
15A, 20A, twist lock plug optional

Warranty

• 3-5-10 years warranty optional

Accessories (order separately)

• Sensor pluggable receptacl - SR
• Pluggablemotion sensor <30 Ft - MS1
• Pluggablemotion sensor <40 Ft - MS2
• Remote for settings sensors-RM1(at least one required per project)
• Zigbee Wireless Sensor-ZG01
• Bluetooth Wireless Sensor-BT01
• Zigbee Gateway-GW(100 fixture need 1,at least 1 required per project)
• Surge protector - SPT
• Emergency Battery - EM
• 120° Lens - 12L
• 90° Lens - 90L
• 60° Lens - 60L
• 30° Lens - 30L
• 15° Lens - 15L
• Diffused Lens - DL

Ordering Guide:

MODEL SELECTION **Typical order example: A-CHB815-50-MSR**

Family	Wattage	EFFICIENCY	CCT	OPTICS/LENS	Voltage	Dimming	SENSOR/ WIRELESS	MOUNTING	CORD	PLUG	options
CHB											
CHB= Cactus Series LED High Bay	**-40~65℃** **610**=100W **615**=150W **620**=200W **624**=240W **630**=300W **640**=400W **-40~80℃** **810**=100W **815**=150W **820**=200W **830**=300W	**(OMIT)=** Standard 150-155lm/W **P=**Premium, 175-190lm/W	**30**= 3000K **40**= 4000K **50**= 5000K	**W** =90° PC **M** =60° PC **N** =30° PC **T** =15° PC **D** =Diffused PC **G** =Tempered glass	**27**= 120-277V, std **48**= 277-480V	**(OMIT)**=None, std **D1** = 0-10VDC Dim down to 5%; **D0** = 0-10VDC Dim down to OFF; **DA** = Dali	**(OMIT)**=None, std ; **SR**=Sensor pluggable receptacl; **MS1**=Motion Sensor <30 Ft **MS2**=Motion Sensor <40 Ft **ZG01**=Zigbee Wireless control **BT01**= Bluetooth control	**HM**=Hook Mount EM=Eyebolt Mount **UM**=U Bracket Mount **NM**=1/2 NPT Pipe Mount **PM=Pendant Mount**	**(OMIT)**= 1ft cord, std ; **C3**=3 ft cord **C6**=6 ft cord **C10**=10 ft cord	**(OMIT)=None,std; P1**=5-15P **P2**=5-20P **P3**=L5-15P **P4**=L6-15P **P5**=L7-15P **P6**=L7-20P **P7**=L8-20P	**EM**=EM - Emergency Backup 8W ; **EM20** - Emergency Backup 20W; **SPT**=Surge protector 10kv