

10 years warranty

180 lm/w



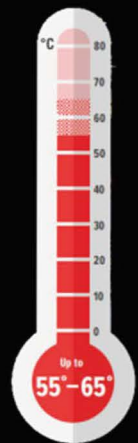
Cactus Series LED high bay

Delivers up to **110,000 lumens**

High Ambient Operating Range—**Up To 65°C**

Sensor Pluggable, Mounting sensors whenever you need

Durable, High lumen and High ambient solution



First **Sensor Pluggable** Intelligent Design

World's first patented designed module type plug & play sensor and sensor embedded luminaire. User can easily upgrade from an ordinary fixture to a smart fixture in 3 seconds.



Sensor embedded Luminaire



3 seconds easily plug-in



Smart LED HighBay

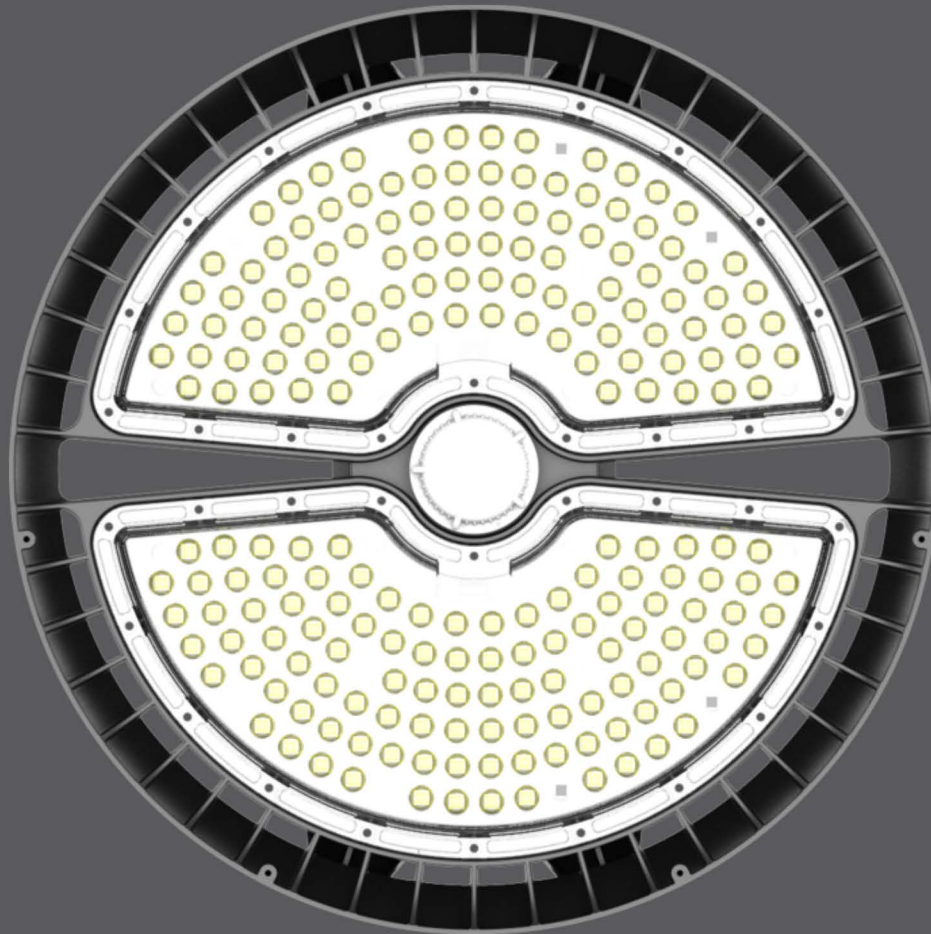
Compared with the traditional high bay



Item	traditional high bay	module type plug& play design
Labor cost	Many require re-circuiting or new control wiring Need professional operation, wasting lots of labor costs	Easy plug-in installation, Anyone can complete the smart upgrade of the luminaire in 3 seconds
Upgrade cost	Even if smart lighting is not needed now, upgrades and replacements are very expensive when needed later	Plug and play design, upgrade to smart control, only 3 seconds
Inventory cost	Need to store intelligent control products specifically, increasing inventory costs	Easy plug-in Upgrade, only need to stock standard products
Shipping cost	Intelligent control is customized, purchased according to project requirements, and has high Shipping costs	Module type plug&play sensor and sensor embedded Luminaire, Can be stocked up in advance and reduce shipping costs by sea
Time costs	Re-circuiting or new control wiring wasting time; Can't be stocked up in advance purchased on demand, wasting time	Pre-stocking Meet fast demand; Easy plug-in installation, save installation time
Safety	Wiring messy and exposed, hidden security risks	Luminaire-integrated design reduces complexity. 12V DC safe power supply

Plugable Motion Sensor Easy To Upgrade

Near future, all manufacturers will only produce smart lights. By that time, upgrading ordinary lights into smart lightswill cost a lot. ExtensibleSmart LED High Bay can be upgraded in 3 seconds.



Plug and play



Zigbee mesh network control



App control



On/off control



Daylight sensor



Remote control setting



10-15M High altitude

Wireless Daylight Sensor

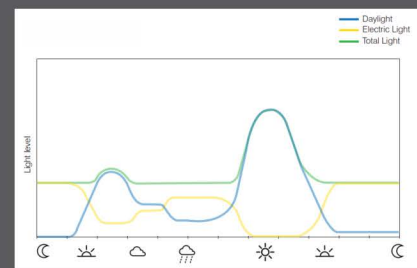
Daylight harvesting automatically regulates the use of electric lighting in response to the amount of daylight available. make sure you use only what you need.



Night: Same brightness for all area



Day : Lower brightness on the windows side



Automatic dimming -- On-demand lighting

Occupancy Sensors & Code Compliance---According to IECC 2015 Code Provision C405.2.1.1.1, office and warehouse fixtures must automatically turn off within 30 minutes of all occupants leaving the space

Daylight Harvesting & Code Compliance According to IECC 2015 Code Provision C405.2.3.12, daylight-responsive controls should be installed within each space with sidelight and toplight daylight zones totaling more than 150W.

On-demand lighting

- If a space is unoccupied, **why** light it?
- If daylight is available, **why** use artificial light?
- If task vary throughout your space, **why** pay for uniform lighting?

Yes-We need to pay for light

BUT-We do not need to pay for the brightest light, everywhere, all day, every day.

CAN BE USED TO COMPLY WITH



**MANDATORY INDOOR LIGHTING CONTROLS
OUTDOOR LIGHTING CONTROLS AND EQUIPMENT**
California Title 24 Part 6 — 2016 is the state energy code for all buildings. New buildings as well as renovations/alterations must adhere to the requirements in Title 24 — 2016.

APP, Network control

Lights in multiple locations can be controlled from wireless devices such as mobile phones (IOS/Android system).



Occupancy Sensing

Typically Saves: 15–55%

No one needs light in empty spaces. Turning lights off or dimming when no one is there to use them is an obvious and easy way to save energy



Daylight Harvesting

Typically Saves: 15–45%

Get More from Your Daylighting. Daylight harvesting automatically regulates the use of electric lighting in response to the amount of daylight available. make sure you use only what you need.



Auto Scheduling

Typically Saves: 10–40%

Tell the Smart HighBay when to illuminate a zone and it will take care of the rest with auto-adjustments based on your time zone. Update schedules right from your smartphone



Load Shedding

Typically Saves: 15–45%

Load-shedding, or temporarily reducing the load of a system to avoid energy costs when they're at their highest



Task Tuning

Typically Saves: 5–15%

Programming the output of an individual or group of luminaires to the level that provides just the right amount of light for the space, task or area.



Zoning & Group control

Typically Saves: 5–20%

Group luminaires and form unique lighting control zones for a control strategy via software-defined means not via electrical installation details (e.g. wiring).

Innovative multi-channel air convection design

All-around ventilated housing with Natural air convection design.

Air can convect and fully pass through the gaps, thus to remove the heat rapidly, and reduce temperature by around 15°C. make sure excellent performance and longer lifespan. LED life up to 180,000 hours.



Delivers up to 110,000 lumens ideal for replacing 1000W to 2000W HID



Single: 150W-320W

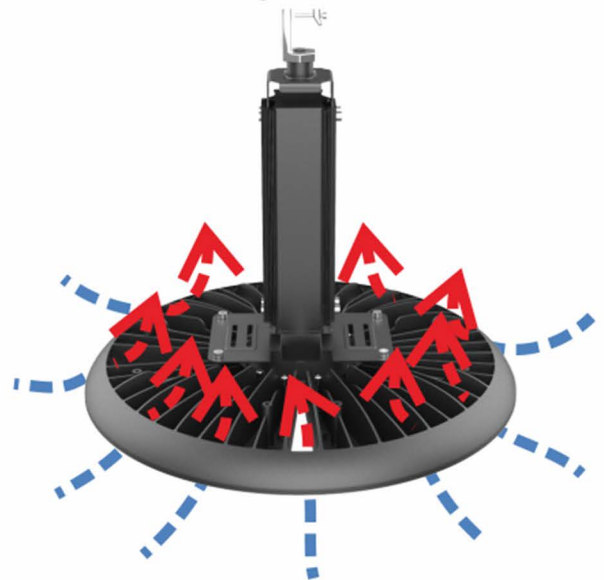
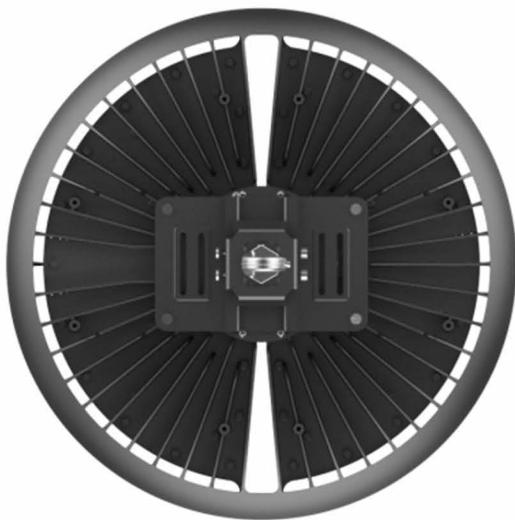


twin: 400W-650W



Cactus+ Series High Temperature High Bay

High Ambient Operating Range—Up To 65°C

Due to optimal thermal design and use of higher grade light engine components and drivers, the Cactus series 150w and 200w can operate in ambient environments up to 65°C



Cactus+ Series High temperature High bay models

Picture	Model	Power
	Cactus+ A-CHB150	150W
	Cactus+ A-CHB200	200W
	Cactus+ A-CHB300	300W
	Cactus+ A-CHB400	400W

**Cactus Series also can be used as
LED Flood / High Mast Light**



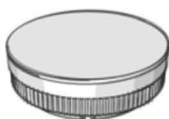
High Power LED High Bay / Flood Light								
Model Number	A-CHB150	A-CHB200	A-CHB240	A-CHB320	A-CHB400	A-CHB500	A-CHB650	
Input Wattage	150W	200W	240W	320W	400W	500W	650W	
Standard	Efficiency (+/- 5%)	165-180lm/W						
	Delivered Lumens (+/- 5%)	27000lm	36000lm	42000lm	53760lm	72000lm	87500lm	110500lm
	MH Equivalent Wattage	600W-800W	800W-1000W	1000W-1200W	1200W-1500W	1500W-2000W	2000W-2500W	2500W-3000W
Economic	Efficiency (+/- 5%)	130-140lm/W						
	Delivered Lumens (+/- 5%)	21000lm	28000lm	32400lm	44160lm	56000lm	67500lm	86775lm
	MH Equivalent Wattage	400-600W	600W-800W	800W-1000W	1000W-1200W	1200W-1500W	1500W-2000W	2000W-2500W
Input Voltage	100-240VAC/120-277VAC/249-528VAC 50-60HZ							
CRI	75+ (80+ optional)							
CCT	5000K (3000K, 4000K available)							
Beam Angle	30°, 60°, 90°, Custom Optical							
Power Factor	≧0.95							
IP Rating	IP65							
Warranty	5 years standard (up to 10 years extra warranty available)							
Certifications	ETL cETL DLC Premium FCC SAA CE RoHS CB TUV-GS							
Dimming Control	DALI, Zigbee, Bluetooth, Daylight Sensor, Motion Sensor, 0-10V Dimming							

Accessory Options

Motion Sensor



Daylight Sensor



PC Reflector



Cable With Plug



Plug



Steel Chain



Cable Connector



3/4"NPT Converter



Ordering Guide

MODEL SELECTION		Typical order example : A-CHB200-60D50					
Family	Watts	Beam Angle	CCT	Finish	Voltage	Mount	Options
A-CHB							
A-CHB= Cactus Series High Bay Light	150=150W 200=200W 240=240W 320-320W 400=400W 500=500W 650=650W	30D=30° 60D=60° 90D=90° CO=Custom Optical	30=3000K 40=4000K 50=5000K	BK=Black, std SV=Silver WH=White CC=Custom Color	(OMT)= Universal 120-277V, std 347=347V 480=480V	(OMT)= Hook(1/2"NP T), std UB=U Bracket NC=3/4" NPT Converter	(OMT)=None, std PPC=Plug&Play connector MS=Motion Sensor DS=Daylight Sensor

Contact Info



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World's first patented **Pluggable Sensor**

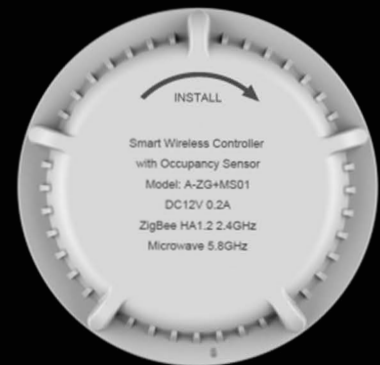
Modular type plug & play Zigbee add-on sensor. User can easily upgrade from an Ordinary fixture to a smart fixture in 3 seconds.



Occupancy Sensor



Smart Wireless Controller



Smart Wireless Controller
with Occupancy Sensor

- 3 seconds easy plug-in scalability
- Plug and play operation to meet code and simplify installation
- Easy scalability, installation & maintenance
- Zigbee add-on, Provide mesh network smart lighting control
- No re-circuiting or new control wiring
- Provide interfaces for follow-up system expansion, escalation



Plug and play



On/off control



Daylight sensor



Remote control setting



10-15M Sensing range



Zigbee Mesh network control



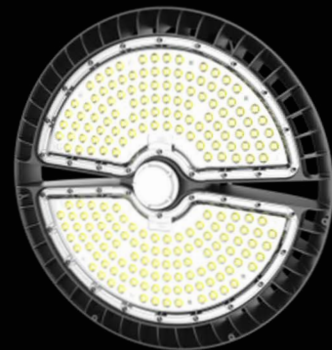
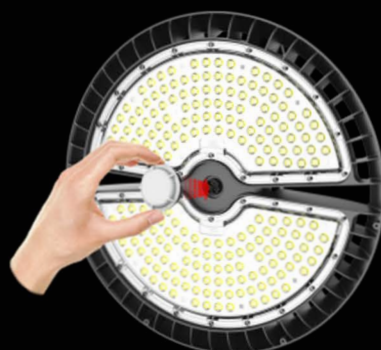
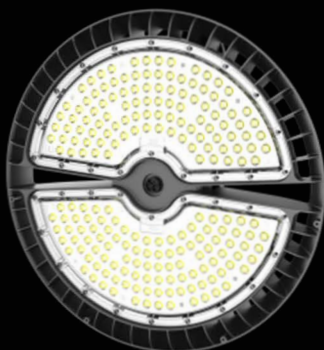
App control

You can install your luminaires today and mount sensors or IOT controllers whenever you need - without any hassle

Luminaire with embedded receptacle

3 seconds easily plug-in

Smart LED Luminaire



Automatic Dimming --- On-demand lighting
Don't pay for the brightest light everywhere, all day