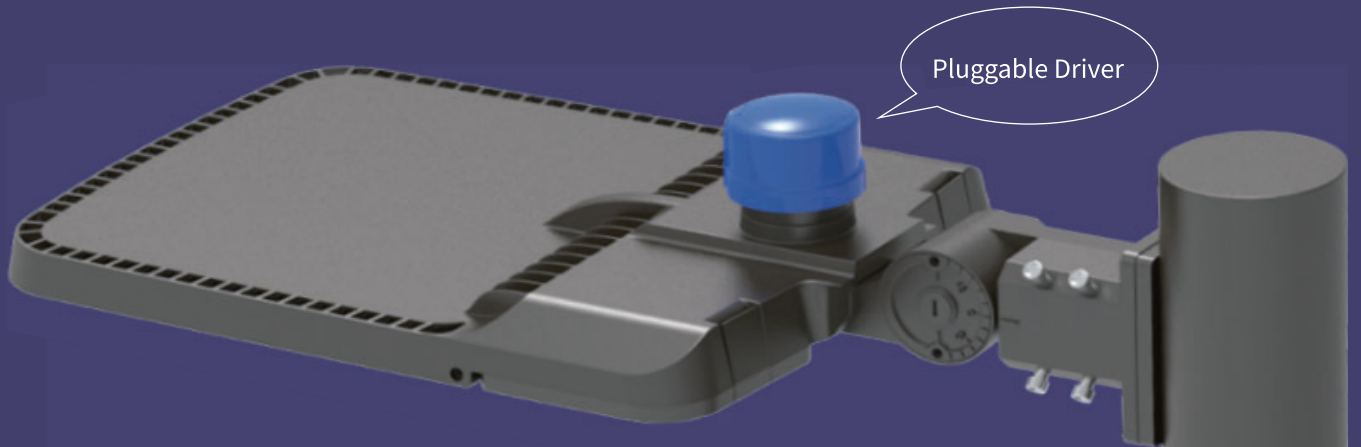


10 years warranty

Up to 80°C

220 lm/w



## LED Industrial Light



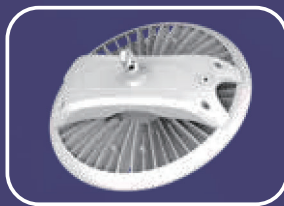
# World's First Driver Pluggable



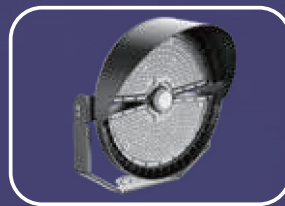
Driver & Sensor Pluggable  
Smart Linear Highbay



Ranch/Agriculture Highbay  
IP69K, Corrosion Resistance



High Temperature  
Up to 80 C



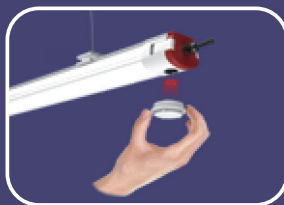
Sports Light  
High Mast Light



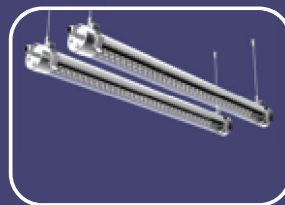
Up to 220 LPW  
Glass Lens with 60°, 90°, 120°



Driver & Controls Pluggable



Driver & Sensor Pluggable  
Smart Tri-proof Light



Glass/PMMA/PC housing  
IP69K, Corrosion Resistance

# Why

## Smart & Driver Pluggable Industrial Light?

### Consider the following:

- 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.**

- If only the driver is broken, Why throw away the entire lamp ?  
**We should not waste!**

**Easily plug-in a new driver, give the lamp a new life.**



**Occupancy Sensing**

Typically Saves:15-55%



**Daylight Harvesting**

Typically Saves:15-45%



**Load Shedding**

Typically Saves:15-45%



**Auto Scheduling**

Typically Saves:10-40%



**Task Tuning**

Typically Saves:5-15%



**Zoning & Group control**

Typically Saves:5-20%

### Energy Costs Savings

Reducing your energy spend to the bare minimum – by distributing light only where and when you need it, let you minimize energy costs across your warehouse or manufacturing facility as much as 80%

### Replacement cost savings

You can easily plug-in a new driver, which will give the lamp a new life when the warranty period expires. More cost-effective than replacing the entire lamp

### Maintenance Costs Savings

Reduces the maintenance cost by expanding the fixture life by running either at a lower output or fewer hours. This is especially important in an industrial facility as lighting maintenance can often put production at a halt, costing you far more than the repair itself.

**It's Time To Put \$\$  
Back In Your Pocket!**



**Money Savings**

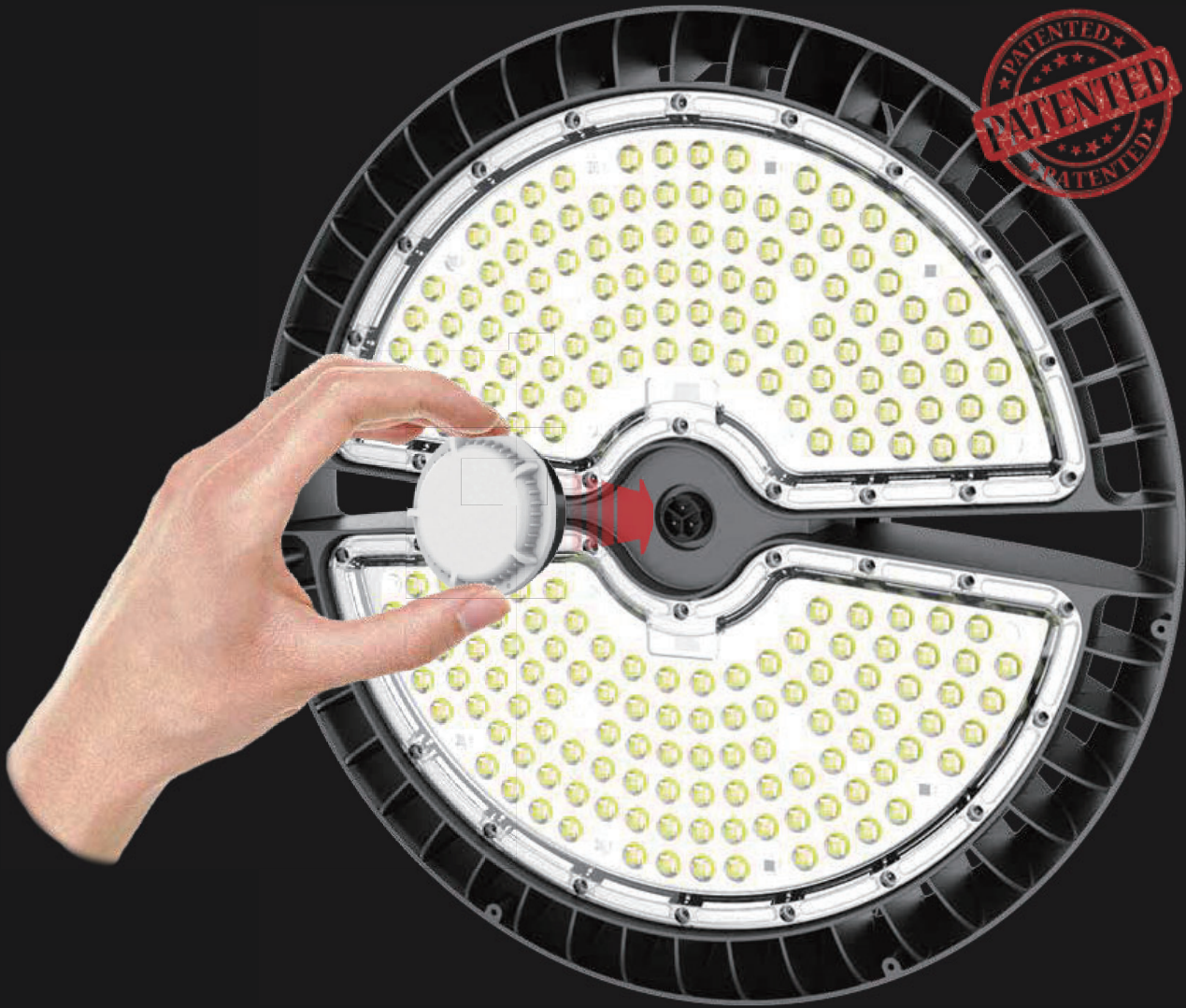
How can Smart & Driver Pluggable Industrial Light help you Save Money ?

World's First

# Driver & Controls Pluggable Smart LED industrial light

You can install your luminaires today and mount sensors  
or IOT controllers whenever you need

You can easily plug-in a new driver, which will give the lamp  
a new life when the warranty period expires.



**Easily plug-in a new driver, give the lamp a new life.**

- Controllers 3 seconds easily plug-in scalability, mounting sensors whenever you need
- Zigbee/Bluetooth mesh network smart controls
- No re-circuiting or new control wiring
- Provide interfaces for follow-up system expansion
- Controls are easy to upgrade, install and maintain

World's First

# **Driver & Controls Pluggable** **Smart LED Vapor Tight /Tri-proof Light**

You can install your luminaires today and mount sensors or IOT controllers whenever you need

You can easily plug-in a new driver, which will give the lamp a new life when the warranty period expires.



## **Easily plug-in a new driver, give the lamp a new life.**

- Controllers 3 seconds easily plug-in scalability, mounting sensors whenever you need
- Zigbee/Bluetooth mesh network smart controls
- No re-circuiting or new control wiring
- Controls are easy to upgrade, install and maintain
- Easily tool-free installation and linking with buckle end cap
- CCT & Power field-adjustable, reduce SKUs by up to 80%

World's First

# Driver & Controls Pluggable Smart LED Linear High Bay

You can install your luminaires today and mount sensors or IOT controllers whenever you need

You can easily plug-in a new driver, which will give the lamp a new life when the warranty period expires.



## Easily plug-in a new driver, give the lamp a new life.

- Controllers 3 seconds easily plug-in scalability, mounting sensors whenever you need
- Zigbee/Bluetooth mesh network smart controls
- No re-circuiting or new control wiring
- Controls are easy to upgrade, install and maintain
- CCT & Power field-adjustable, reduce SKUs by up to 80%
- Efficiency up to 200 LPW, delivers up to 70000 lumens
- Easy tool-free maintenance and exchanging lenses

















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10 years warranty

Up to 80°C

220 lm/w

## World's First Driver Pluggable LED Industrial light

	Special Product For Heavy Industry and High Temperature Ambient Operation Temperature Up to 80 C/176 F , High Lumen Up to 73,000lm	P06-10
	LED Parking Lot / Area Luminaire Power Adjustable, Rotatable Optics, Universal Bracket	P11-18
	Smart LED Linear High Bay Power & CCT Adjustable, Aisle Optics, Sensor Pluggable	P19-26
	Economical HB10 Up to 220 LPW, max 320W delivers up to 65000lm	P27-28
	World's First Driver & Controls Pluggable Easily plug-in a new driver, give the lamp a new life.	P29-30
	Economical Smart LED High Bay Power Adjustable, Up to 200Lm/w, Save 50% Shipping Cost	P31-34
	Smooth Body Smart LED High Bay Italy Design, Dust-Free, Waterproof	P35-38
	High Power LED High Bay Up to 110000 lumens	P39-42
	Cactus LED Sports Light/High Mast Light	P43-45
	Ranch/Agriculture/Food-processing Smart High Bay IP69K, Corrosion Resistance, Chemical Resistance, Anti-ammonia	P46-50
	Smart LED Vapor Tight /Tri-proof Light Sensor Pluggable, Buckle End Cap, Power & CCT Adjustable	P51-54
	World's First Driver & Controls Pluggable Smart LED Tri-proof Light -ETP07	P55-56
	Traditional LED Vapor Tight /Tri-proof Light Sensor Pluggable, Power & CCT Adjustable	P57-59
	Ranch/Agriculture/Food-processing Tri-proof Light IP69K, Corrosion Resistance, Chemical Resistance, Anti-ammonia	P60-61
	IP65 Smart LED Linear High Bay Sensor Pluggable, Aisle Optics	P62-64
	Modular LED Sports Light/High Mast Light	P65-66





## Cactus Series

# Heavy Industry / High Temperature

## LED High Bay / Industrial Luminaires

High Ambient Operation Temperature - **Up to 80°C/176°F**

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

**Built For Heavy Industrial Spaces**

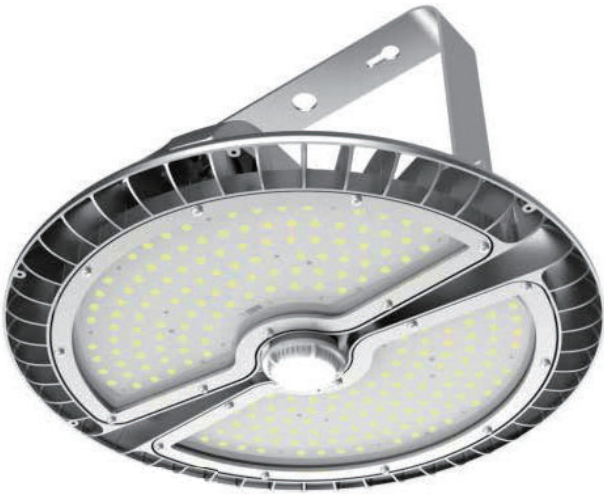
**3-5-10** years  
warranty

**140-220** lm/w

# 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



## 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.

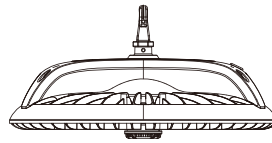
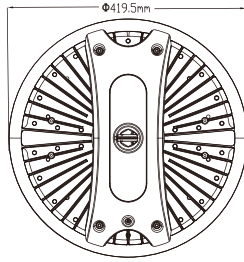


## Maintenance-friendly

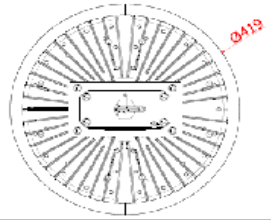
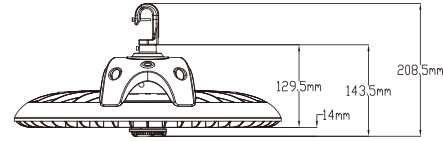
**Side Door** on the driver housing provide easy access to internal components.



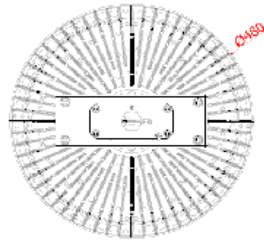
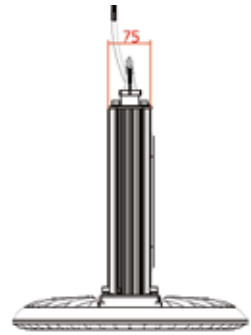
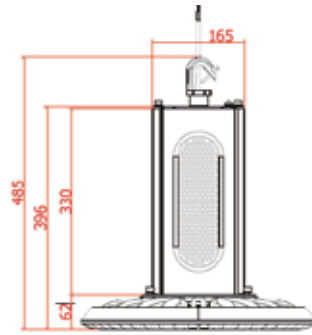
# Product Dimensions:



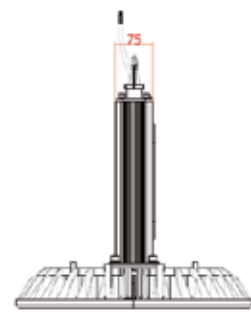
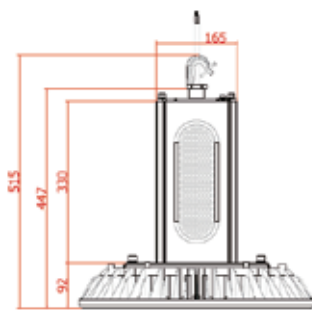
A-CHB610/615/620  
65 °C 100W/150W/200W



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



A-CHB640/820/830  
65 °C 400W  
80 °C 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, 180-200lm/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 C to +65 C (-40 F to 149 F), Up to 80 C (176 F) optional
- IP65,Suitable For Wet Locations
- Safety: CE,SAA,RCM,ETL/cETL Listde
- 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 C 610=100W 615=150W 620=200W 624=240W 630=300W 640=400W  -40~80 C 810=100W 815=150W 820=200W 830=300W	(OMIT)= Standard 140-150lm/W P=Premium, 180-200lm/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

Victory Series

up to **10** years warranty

**140-210** lm/w

# World's First **Driver Pluggable** LED Street Light Area Luminaire

- Self-Cleaning Smooth Body
- 1 Person Easy Installation
- Rotatable Optics Eases Lighting Design
- Power Field-adjustable, Reduce Skus By Up To 60%
- Universal Bracket, One Bracket Applicable For All Installation
- Easy Maintenance With Tool-free Opened Driver Box
- Zero Uplight Ensures IDA Approval



**Easily plug-in a new driver,  
give the lamp a new life.**



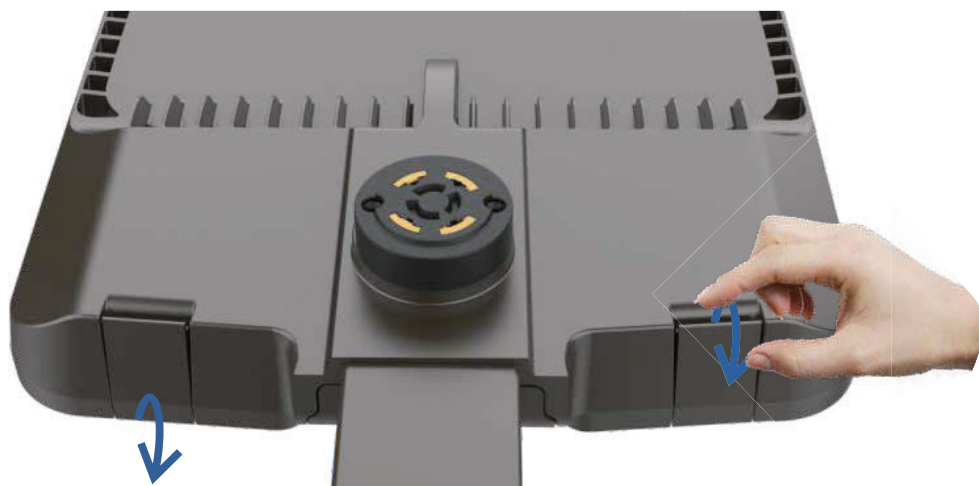
## World's First **Driver Pluggable**

You can easily plug-in a new driver, which will give the lamp a new life when the warranty period expires. More cost-effective and easier than replacing the entire lamp.



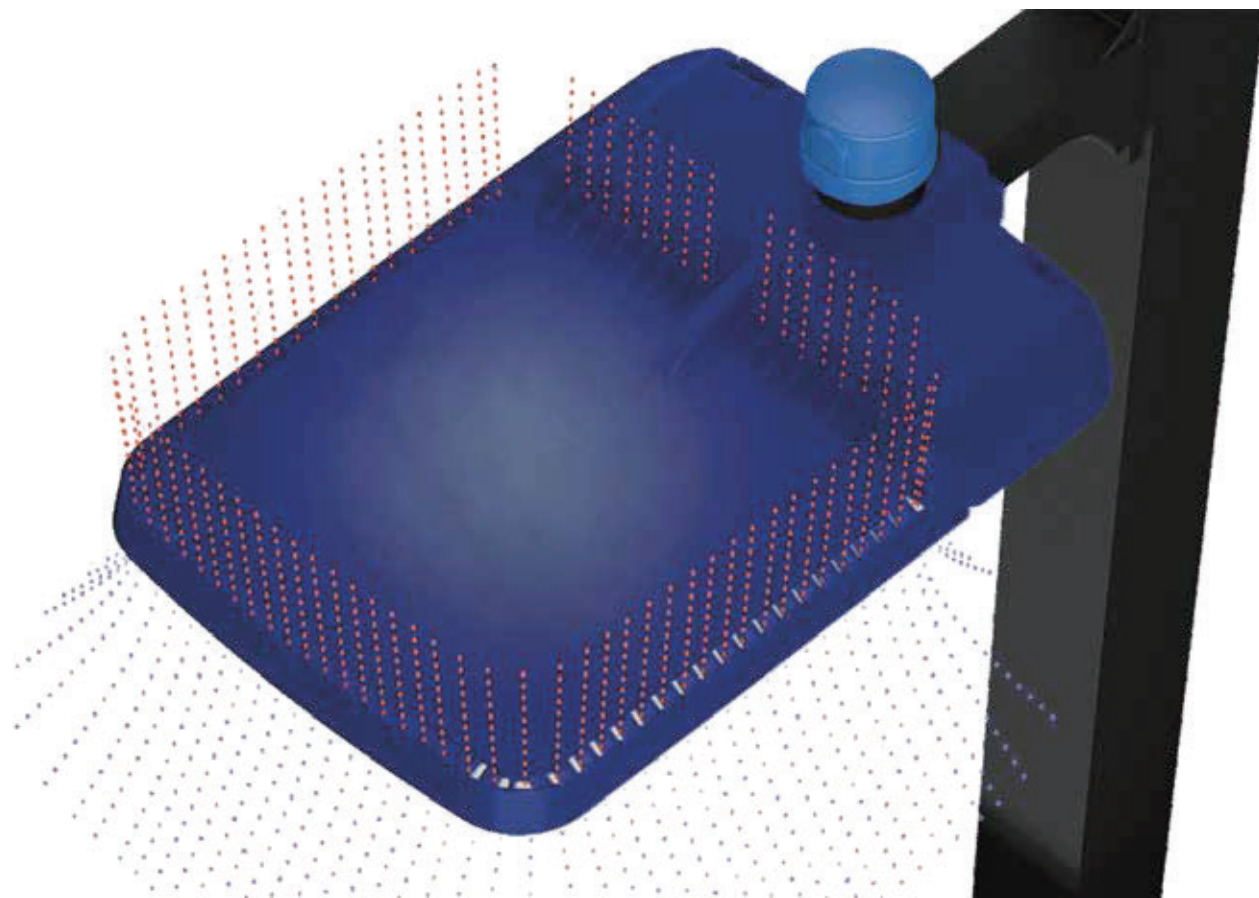
## Tool-free Maintenance

Special structural design to achieve the manual disassembly and installation of lighting components. High-power lights are generally installed in higher operating environment, the operators require as few tools as possible for their convenience and security.



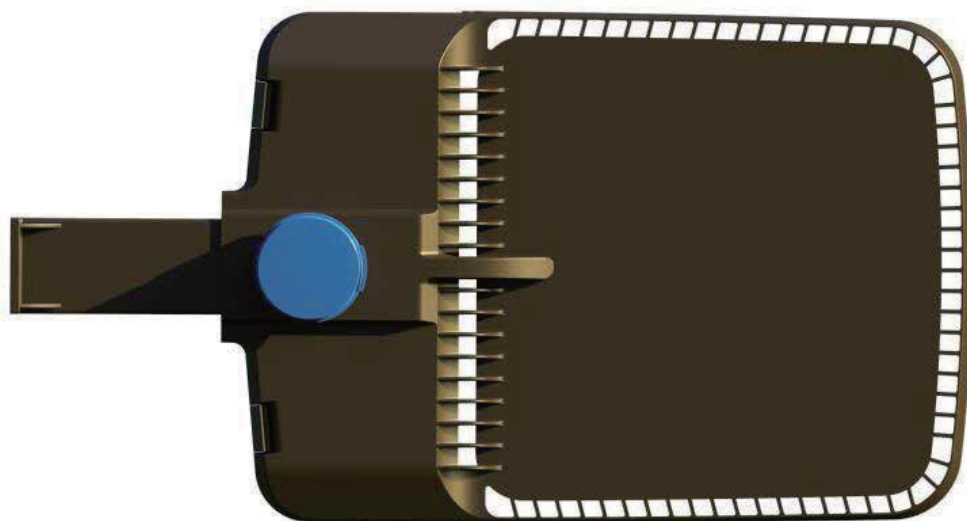
## All-around Ventilated Design with Powerful Heat Dissipation

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.



## Patented Smooth Body with Self-Cleaning Function

Sleek housing specially allows for washing off the dust, leaves and bird droppings, keeping perfect heat dissipation



# Single-Person Installation

This unique design features slide and lock functionality for convenient and safe installation.

Slip Fitter

Square Pole Arm Mount

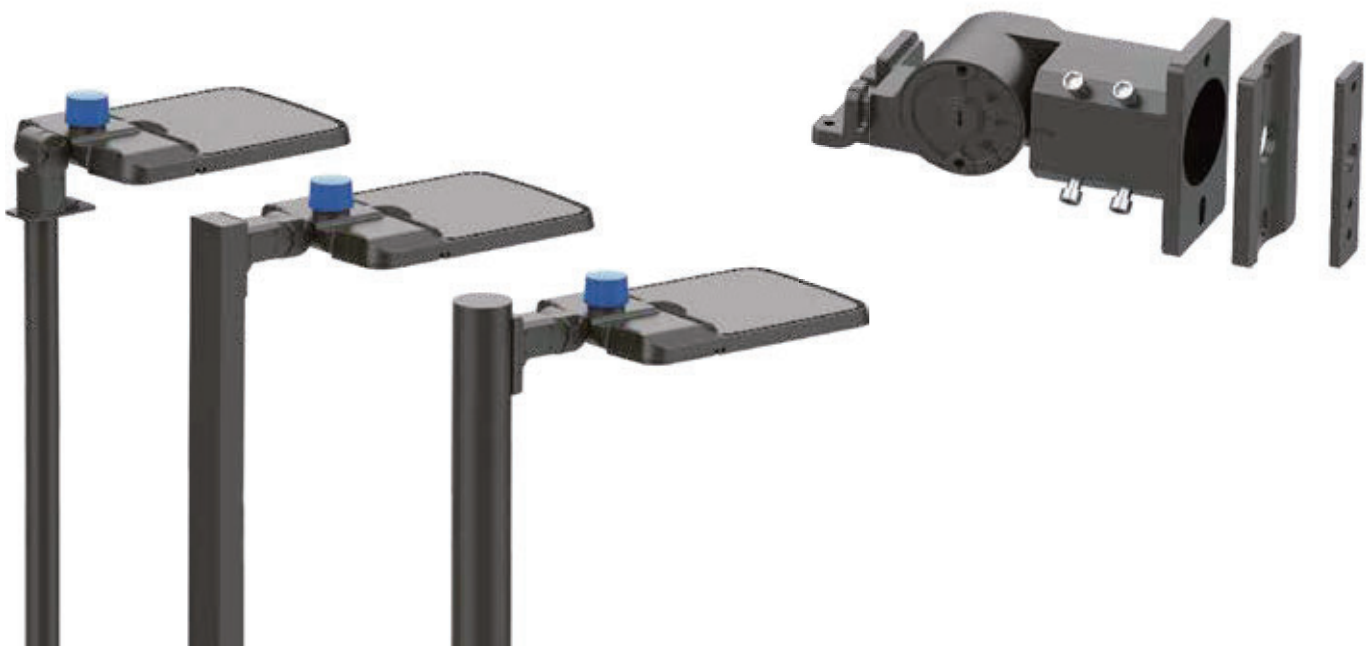
Round Pole Arm Mount

Trunnion Mount



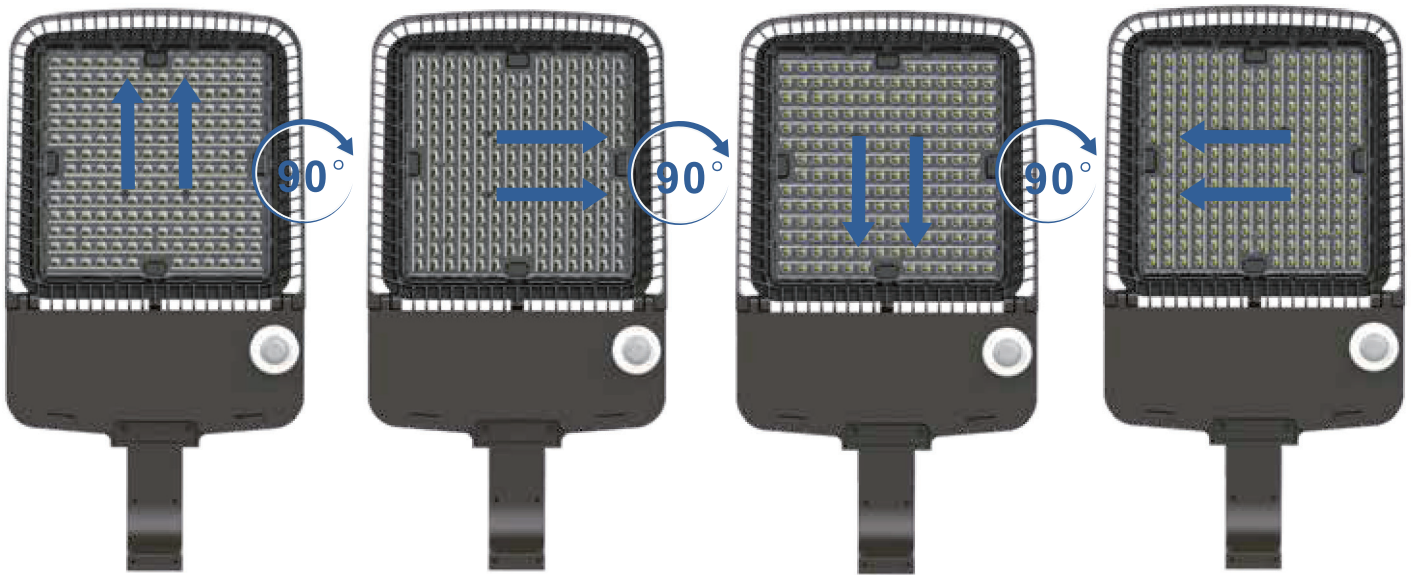
# Universal Bracket

One bracket applicable for all installation



# Rotatable Optics

Field rotation eases lighting design implementation. Simply rotate the lens and get different light distribution in different directions.  
No change to fixture Installation and EPA.



# Tool-Less Field Adjustable Wattage

Reduce SKUs by up to 80% (Optional)

Internal Switch Provides five light levels for greater flexibility in one product (default set to high).  
Wattage can be easily changed with tool-free opened driver box while the luminaire is in place.



- Reduce SKUs to 2 while offering ten wattages choices
- Streamline ordering and inventory
- Allows wattage adjustability to respond to changing light requirements

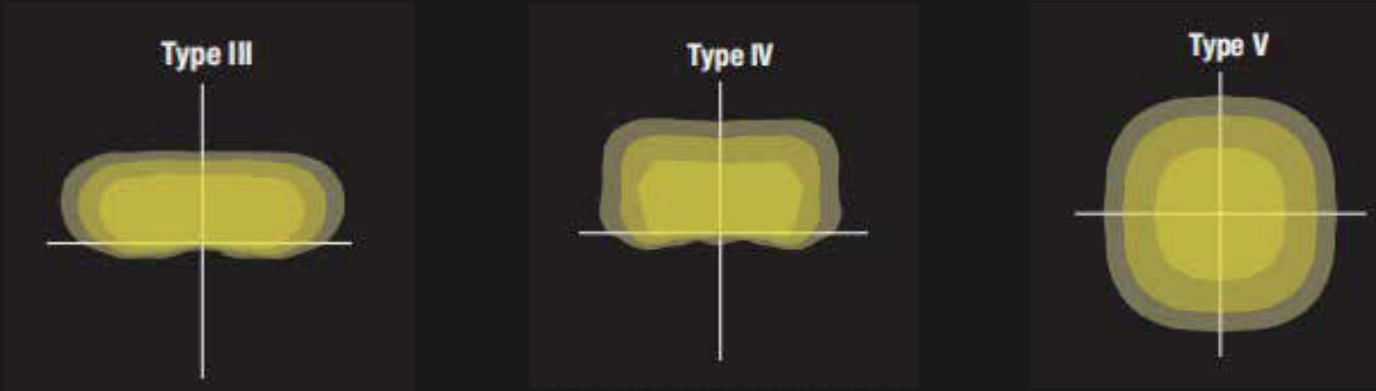


**Desired Wattage / DIP Switch Settings**

SKUs	Desired Wattage	DIP Switch Settings			
		1	2	3	4
SKU 1	60W	ON	—	—	—
	75W	—	ON	—	—
	100W	—	—	ON	—
	120W	—	—	—	ON
	145W	—	—	—	—
SKU 2	180W	ON	—	—	—
	200W	—	ON	—	—
	230W	—	—	ON	—
	280W	—	—	—	ON
	300W	—	—	—	—

## Internal Reflectance Optic Technology

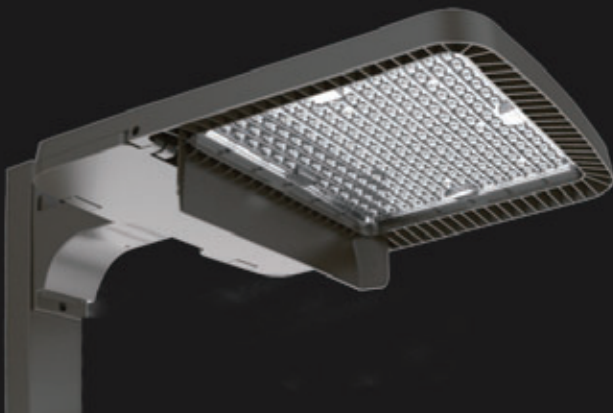
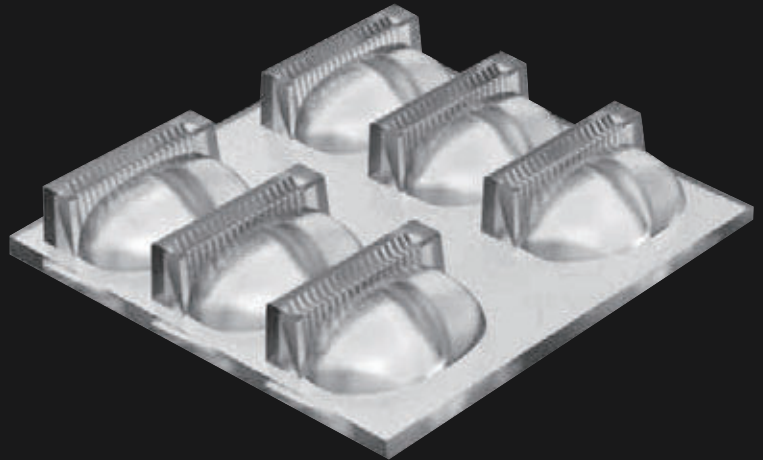
Internal Reflectance optic technology provides superior optical control to deliver exceptional light level uniformity, reduces light trespass and simplifies layouts and installations, reducing pole count, energy consumption, lowers installation costs and improves visual acuity. Dark sky Compliant with full cutoff and **NO up light**



## Internal Reflection Backlight Shield Design

Unique Internal reflection backlight shield design and optional house-side shield will reduce the light spill behind the pole and increase forward throw.

- 85% light reduction behind the pole
- Achieves impressive Backlight-Up light-Glare (BUG) rating
- Neighbor-friendly lighting



**House-side Shield**



**Few light spill behind the pole**

# Longer lifespan, Less labor costs, Maximum design flexibility

Unique smooth body self-cleaning function with air convection cooling channel design makes efficient heat dissipation and ensures a longer lifespan. Versatile mounting options with unique designed for 1 person installations. All distributions are field or factory aimed for maximum design flexibility.

## Benefits

- **Patented Self-Cleaning smooth Body** with air convection cooling Function makes efficient heat dissipation and ensures a **longer lifespan**
- **Single Person Easy Installation**, Save 60% labor costs
- **Tool-free** safety switch, easy for installation and maintenance
- **Rotatable Optics**, Field aimable distributions for design flexibility
- **Back Light Control** is available for applications sensitive to light trespass, achieves impressive BUG rating.
- **Zero uplight** ensures IDA approval
- Type I1 IV/ V lighting distributions meet various area lighting requirements
- Built-in occupancy & photocell sensor available for maximum energy savings, comply with Title 24
- versatile Mounting Options, Suitable for any application.

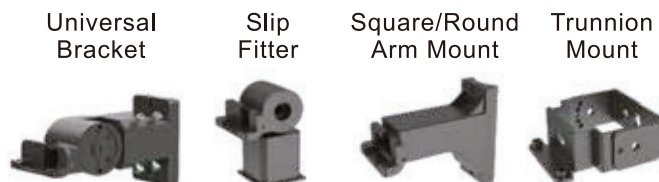
## Product Specifications

- Input Wattage: 75W, 100w, 120W, 145W, 200w, 230w, 300w
- Input Voltage Range: 100-277VAC (347-480 V available)
- System Efficiency: Up to 170lm/W and 140lm/w optional
- Dimmability: 1-10V & PWM signal & Resistance
- Power Factor: 0.95+
- Distribution: Type I1, Type IV, Type V
- Color Temperature (cCT): 3000K, 4000K, 5000K
- Color Rendering Index (CRI): 75+
- IPRating: IP66 Outdoor Wet Locations
- IK Rating: IK 10
- suitable for 3G applications prescribed by ANSI C136.31
- Operating Temperature: -40~50 °C
- ( -40~122°F)
- L70>180000 Hours
- Warranty: 5 Years, 8 Years and 10 Years optional

## LED Parking Lot Luminaire



## Mounting Options

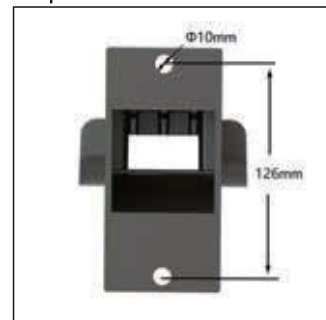


## Dimensions

Slip Fitter



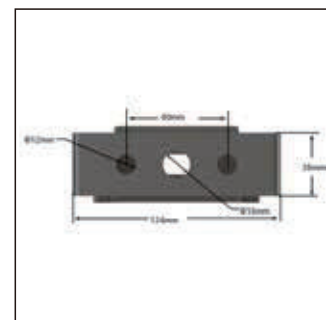
Square Pole Arm Mount



Round Pole Arm Mount









Trunnion Mount



# Ordering Information

MODEL SELECTION		Typical order example: VAL200-T3AM40						
Family	Watts,Equivalency	Efficiency	Distribution	Mount	CCT	Finish	Voltage	Options
VAL								
VAL= Victory Series LED Area Light	30=30W 40=40W 50=50W 60=60W 75=75W 100=100W 120=120W 145=145W 200=200W 230=230W 300=300W Wattage Adjustable Optional	(OMIT)= Standard I130-150lm/w P =Premium, 165~175lm/W	T3=Type III Medium T4=Type V T5=Type V TC= T3L,T4M, T5M,T5W optical	UB=Universal Bracket SAM = Square Pole Arm Mount RAM = Round Pole Arm Mount SF= Slip Fit Mount TM= Trunnion Mount	30=3000K 40=4000K 50=5000K 60=6000K	DB= Dark Bronze , std BK= Black WH=White CC=Custom Color	(OMIT)- universal 100-277v, std 347= universal 347V 480= universal 480V	(OMIT)= None, std Ps= photosensor (3pin) PC5=5pin photocontrol socket PC7= 7pin photocontrol socket MS= motion sensor (PIR) <40 Ft AO = Field-Adjustable Output

## EPA

Config.	1	2 @ 90°	2 @ 90°	3 @ 180°	3 @ 90°	4 @ 90°
						
EPA	0.7	1.0	1.4	1.5	1.5	1.5

## Amber Light Available:

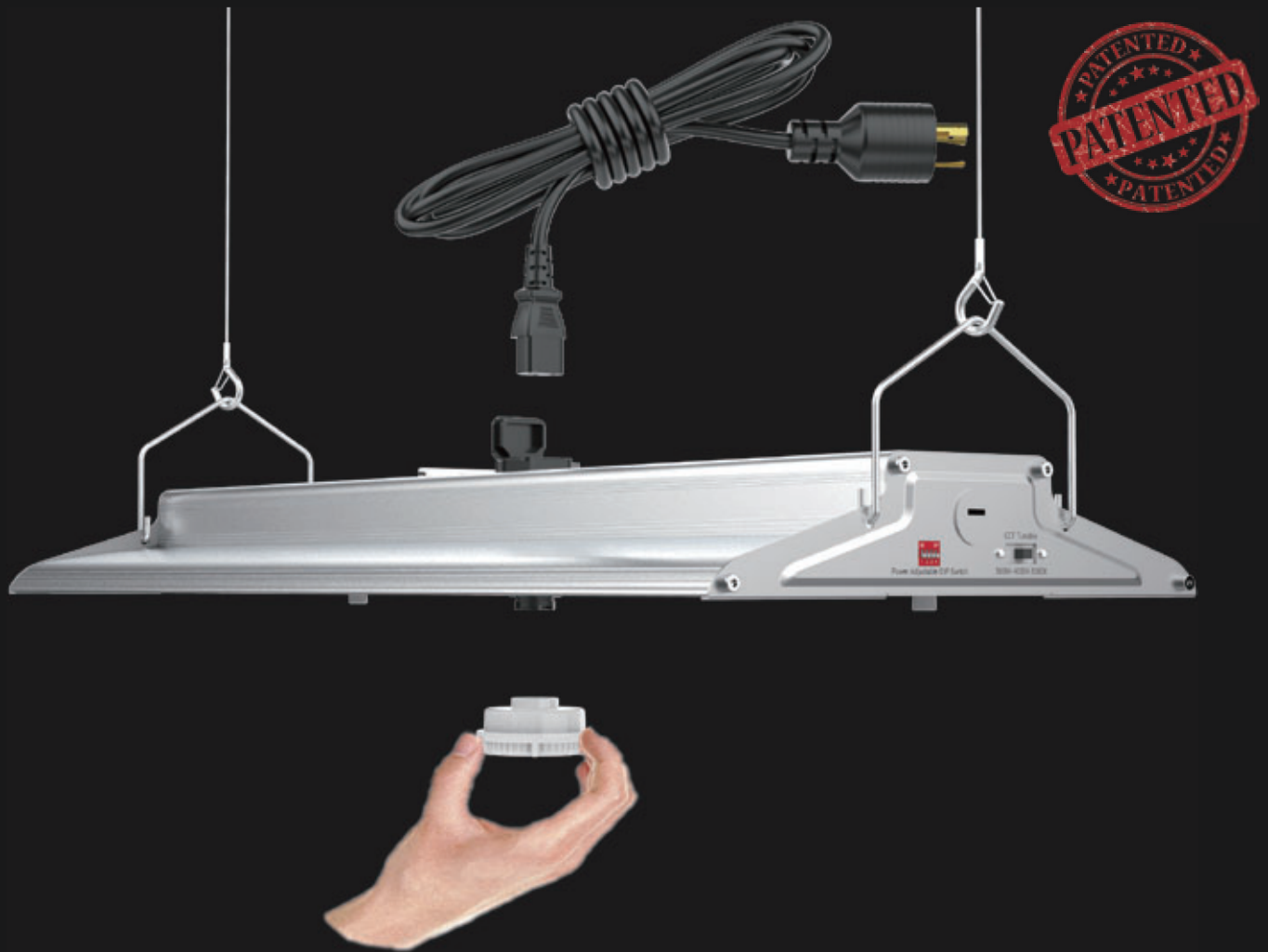
Safety, Design and Environmental Protection

Make the most of amber-colored LED light in Urban Lighting



up to **10** years warranty

**140-210** lm/w



## Amazing Series **World's First Driver Pluggable** Smart LED Linear High Bay

- Easily plug-in a new driver, give the lamp a new life
- Controllers pluggable, mounting controllers whenever you need
- Power & CCT field-adjustable, reduce SKUs by up to 80%
- Easy Maintenance with Tool-free Opened Driver Box
- Field-Replaceable Various Optics Lenses covering all your application needs
- Simply plug & power installation, reduce labor cost by up to 50%
- Right-sized Compact design reduces shipping cost by up to 50%
- Efficiency up to 210 LPW, delivers up to 80000 lumens



# First Sensor Pluggable Intelligent Design

Mounting sensors and make your luminaire smart whenever you need (Optional)

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



3 seconds easily plug-in



Smart LED Linear High Bay

# World's First Patented Pluggable Sensor

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



- 3 seconds easy plug-in scalability
- No re-circuiting or new control wiring
- Zigbee/Bluetooth mesh network smart control
- Controls are easy to upgrade, install and maintain



Plug and Play



Zigbee mesh network control



Bluetooth mesh network control



App control



On/off control



Daylight sensor



Remote control setting



Motion sensor



Compatible with 3rd party smart network control system (Casambi, Nedap, Legrand...)

# Tool-Less Field Adjustable Color Temp & Wattage

## Reduce SKUs by up to 80% (Optional)

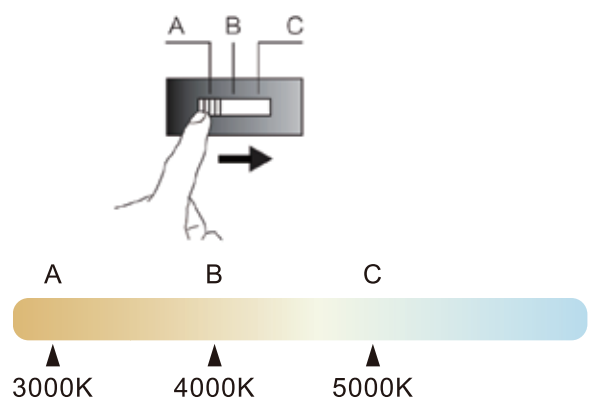
- Reduce overall number of SKUs to 2 while offering 8 or 10 wattage and 3 CCT choices
- Streamline ordering and inventory, making it flexible enough for distributor stock and flow



## Desired Wattage / DIP Switch Settings

SKUs	Desired Wattage	DIP Switch Settings			
		1	2	3	4
SKU1	100W	ON	-	-	-
	120W	-	ON	-	-
	150W	-	-	ON	-
	180W	-	-	-	ON
	200W	-	-	-	-
SKU2	240W	ON	-	-	-
	280W	-	ON	-	-
	300W	-	-	ON	-
	350W	-	-	-	ON
	400W	-	-	-	-

## Desired CCT / DIP Switch Settings



## Efficiency up to 200 LPW

### Delivers up to 80000 lumens

Excellent heat dissipation and special aluminum reflective maximizes LED performance, efficiency up to 200 LPW.

Offering various lumen packages from 8000 to 80,000 lumens, covers all your application needs

Amazing high efficacy models pay for themselves and help you save on energy costs for years to come.

Single Luminaire	6L T5HO	Typical LED High Bay	High Efficacy
Lumens	26,353	26,217	26,558
Input Watts	343	220	135
Operating Hours/Year (15h/day)	5,475	5,475	5,475
Annual Energy Costs (0.11 KWh)	\$206.57	\$132.50	\$81.30
Monthly Costs (0.11 KWh)	\$17.21	\$11.04	\$6.78
Amazing VS 6L T5HO	Annual Savings \$\$		Up to \$125.27
Amazing VS Typical LED High Bay	Annual Savings \$\$		Up to \$51.19

Can You  
Afford  
to Spend  
**60% More**

Per Fixture  
Per Year?

Estimate does not include utility rebates or maintenance savings. Values based 5000K, 70 CRI, no lens.

**It's Time to Put \$\$ Back in Your Pocket!**



# Easy Maintenance with Tool-free Opened Driver Box

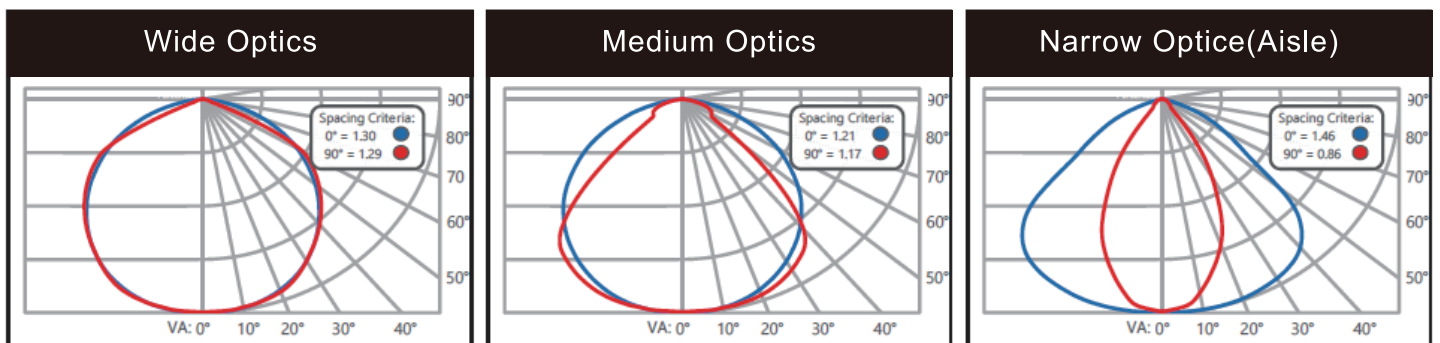
Toolless entry for easy access to electrical compartment, many accessories like driver replacement, emergency kit, sensors or control modules can be field-installed easily. lens is also can be changed in field.



## Field-Replaceable Various Optics Lenses

Light Delivered Exactly Where You Need It  
Covering all your application needs

Photometric Data



## Simply Plug & Power Installation

Reduce labor cost by up to 50% (Optional)

No internal fixture access required for installation or disconnecting power

- The plug & power design is a time saver in installation – simply plug & power.
- Access to the individual fixture's power supply allows servicing without turning off all the fixtures, disrupting occupants.



# Right-sized Compact design

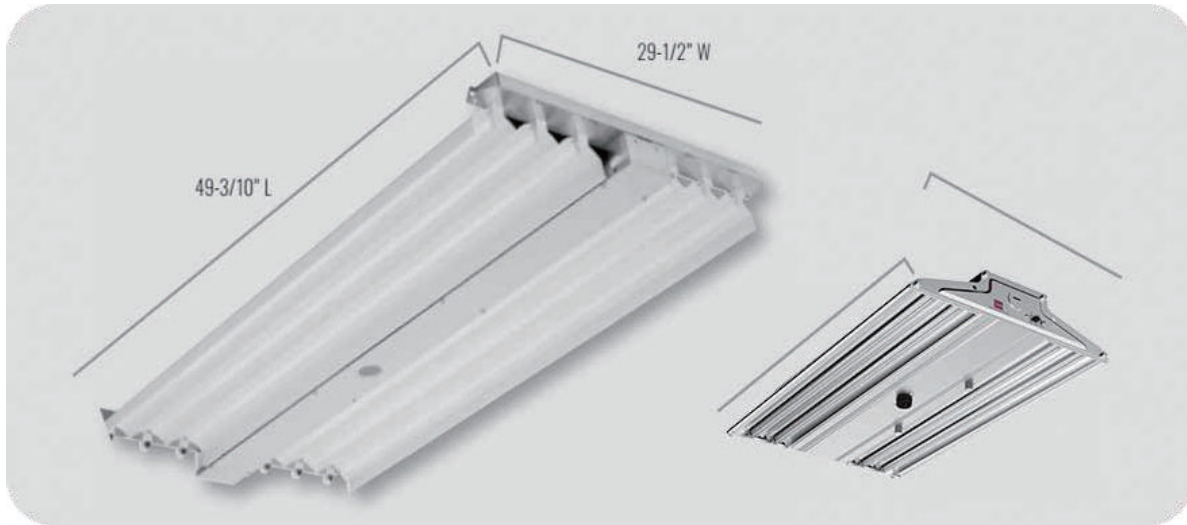
reduces shipping cost by up to 50%

Excellent heat dissipation with pure aluminum extrusion heatsink making it can be designed to smaller size.

Lightweight, compact design reduces volume up to 50%, makes it easy to handle.

Compared to other high bay products :

- Is 50% smaller for ease of installation
- Smaller volume reduces shipping cost by up to 50% , saves a great deal of valuable shelf or cargo space.



most other high bay products 30000 lumens

Amazing series 30000 lumens

## Product Dimensions:

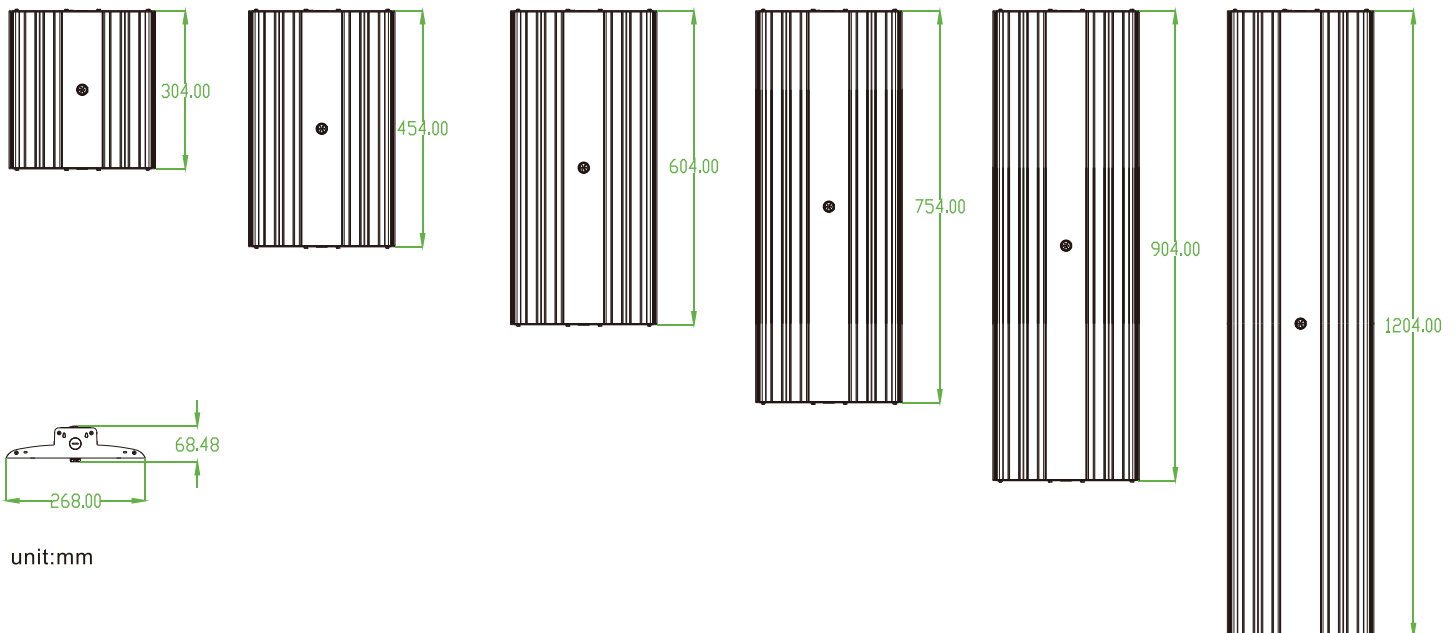
A-ALHB60,  
A-ALHB80,  
A-ALHB100;  
A-ALHB60P,  
A-ALHB80P,  
A-ALHB100P;

A-ALHB120,  
A-ALHB150;  
A-ALHB120P ,  
A-ALHB150P;

A-ALHB200,  
A-ALHB200P;



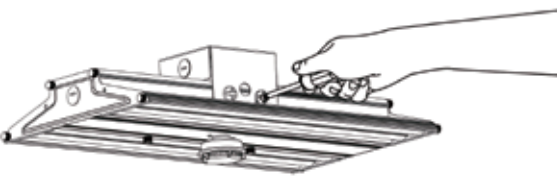
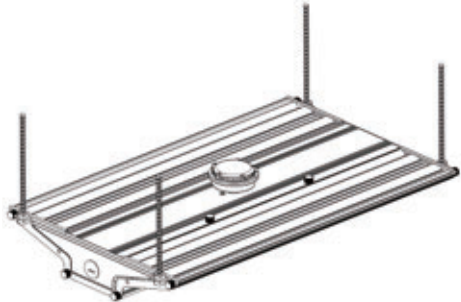


A-ALHB240,  
A-ALHB240P; A-ALHB300,  
A-ALHB300P;

A-ALHB400,  
A-ALHB400P.



# Various mounting options

covering all your application needs

MOUNTING OPTIONS	IMAGE	ORDER CODE
<p><b>Standard Chain/Cable Mount</b></p> <p>Available on all fixture configurations (chain not included). Y-Cable w/hook can be ordered as an accessory</p>		<p><b>STM= Standard (No chain or mounting hardware included)</b></p>
<p><b>Pendant Mount (optional)</b></p> <p>Available on all fixture configurations. Attaches to 3/4" and 1/2" threaded conduit (conduit not included).</p>		<p><b>PM = 3/4" Pendant Mount Kit</b></p>
<p><b>Surface Mount (optional)</b></p> <p>Available on all fixture configurations. Attaches to structural member in ceiling. (Hardware not included.)</p>		<p><b>SM = Surface Mount</b></p>
<p><b>Standard Inverted Mount</b></p> <p>Available on all fixture configurations Attaches to 3/8" threaded rod (rod not included)</p>		<p><b>UPM = Standard Inverted Mount</b></p>
<p><b>Inverted Y- Cable Mount</b></p>		<p><b>YUPM5 = Inverted Mount Y-Cable/ Hook 5ft</b>  <b>YUPM10 = Inverted Mount Y-Cable/ Hook 10ft</b>  <b>YUPM15= Inverted Mount Y-Cable/ Hook 15ft</b></p>
<p><b>Y-Cable w/hook (optional)</b></p> <p>Use with Standard Mounting Option only. Order separately. Price adder per pair, 5 ft., 10 ft., 15 ft., 20 ft. lengths available.</p>		<p><b>YC5=Y-Cable/Hook 5ft</b>  <b>YC10=Y-Cable/Hook 10ft</b>  <b>YC15=Y-Cable/Hook 15ft</b>  <b>YC20=Y-Cable/Hook 20ft</b></p>

# Product Description:

## Higher efficiency,Maximum lighting flexibility,Less costs

With pluggable smart control options, user-installable lenses that can disperse light between 30 to 120 degrees. Efficiency up to 200 LPW and lumen packages between 8000 to 80,000 lumens. The Amazing linear LED high bay covers all your application needs, saves more energy and lowers more costs

## Benefits

- **Sensor pluggable intelligent design**, make your luminaire smart whenever you need
- **CCT & Power field-adjustable**, reduce SKUs by up to 80%, making it flexible enough for distributor stock and flow
- **Simply plug & power installation**, reduce labor cost by up to 50%. No internal fixture access required for installation or disconnecting power
- Lightweight, compact design reduces volume up to 50%, makes it easy to handle, **reduces shipping cost by up to 50%**
- Efficiency up to **150LPW and 200LPW**, help you save more energy costs
- Extensive Lumen Range, **8,000 to 80,000 lms** for 10'—80' mounting heights
- Easy Maintenance with **Tool-free opened driver box**
- Field-Replaceable various optics lenses, **Wide,Medium,Narrow optics(Aisle) lenses**, Covering all your applications
- Efficient pure aluminum heat dissipation, ensures a **longer lifespan**
- **Various mounting options** to meet different lighting needs

## Product Specifications :

### LED & Optical Assembly

- CCT: 3000K,4000K,5000K,Adjustable CCT
- CRI: 70+ Standard (80,90 contact factory for lead-time)
- System Efficiency: Up to 150lm/W and 200lm/w optional
- Fixture Rated Life: L70 @ 100,000 hrs @ 55C
- TM-21 Calculation at 25°C: L70 @ 250,000 hrs  
L90 @ 65,000 hrs minimum
- Distribution /Lenses: 60W-100W no lens standard (most efficient),120-400W Medium optics,std.Wide Optics lens, Narrow Optics(Aisle) and Diffused lens optional

### Electrical

- Input Wattage:60W,80W,100W,120W,150W, 200W,240W,300W,400W,Adjustable Wattage
- Input Voltage Range: 100-277VAC(347 and 480V available)
- System Power Factor (PF): >0.95
- Total Harmonic Distortion (THD): <20%

### Ratings & Evaluations

- Operating Temperature: -30°C to +55°C (-22°F to 131° F)
- Suitable For Damp Locations
- Safety: ETL/cETL CE,CB,SAA 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: 0-10VDC,Dim down to 5%, std. Dim to off and Dali2 optional
- Wireless Networking & Sensing:  
Sensor ready pluggable receptacle - SR
- Compatible with 3rd party smart network control system

### Mounting

- Typical Mounting:  
Standard Chain / Cable mount ready.  
Surface mount and Pendant mount kit optional.
- Inverted Mounting:  
Standard chain / Cable mount ready.
- Cord & Plugs:  
Standard = knockout access (no cord, no plug)  
3ft, 6ft, 12ft, 15ft, 20ft Cord and plug and go cord options  
15A, 20A, Straight or twist lock plug options

### Warranty

- 5-years warranty,**7 years warranty optional**

### Accessories (order separately)

- Sensor pluggable receptacle - SR
- Pluggable motion sensor <30 Ft - MS1
- Pluggable motion sensor <40 Ft - MS2
- Remote for settings sensors-RM1(at least one required per project)
- Zigbee Wireless Sensor-ZG01
- Bluetooth Wireless Sensor-BT01
- Surge protector - SPT
- Emergency Battery - EM
- Pendant Mount Kit - PM
- Y-Cable w/hook - YC
- Wide Optics Lens- WL
- Medium Optics Lens- ML
- Narrow Optics Lens(Aisle) - NL
- Diffused Lens - DL

# Energy and Performance Data

## Fixed Wattage and CCT

Standard					Premium Efficiency (p)				
MODEL NO.	Wattage	LPW (lm/W)	Typical Delivered Lumens	Max Ambient	MODEL NO.	Wattage	LPW (lm/W)	Typical Delivered Lumens	Max Ambient
ALHB60-50	60	150	9000	65°C	A-ALHB60-50	60	200	12000	65°C
ALHB80-50	80	149	11920	55°C	A-ALHB80-50	80	190	15200	55°C
ALHB100-50	100	145	14500	50°C	A-ALHB100-50	100	185	18500	50°C
ALHB120-50	120	148	17760	55°C	A-ALHB120-50	120	181	21720	55°C
ALHB150-50	150	143	21450	50°C	A-ALHB150-50	150	180	27000	50°C
ALHB200-50	200	141	28200	50°C	A-ALHB200-50	200	180	36000	50°C
ALHB240-50	240	140	33600	50°C	A-ALHB240-50	240	180	43200	50°C
ALHB300-50	300	143	42900	45°C	A-ALHB300-50	300	175	52500	45°C
ALHB400-50	400	145	58000	45°C	A-ALHB400-50	400	180	72000	45°C

Values based on 5000K, 70 CRI, no lens. tolerance +-5%

## Field-Adjustable Wattage & Color Temp

SKUs	Fixture Length	Catalog No.	Typical Power (W)	Standard Efficiency						Premium Efficiency (p)					
				5000K		4000K		3000K		5000K		4000K		3000K	
				LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens
SKU1	2ft	ALHB 200	100	155	15500	151	15190	142	14260	190	19000	186	18620	174	17480
			120	151	18120	148	17758	138	16670	185	22200	181	21756	170	20424
			150	148	22200	145	21756	136	20424	180	27000	176	26460	165	24840
			180	143	25740	140	25225	131	23681	178	32040	174	31399	163	29476
			200	140	28000	137	27440	128	25760	175	35000	171	34300	161	32200
SKU2	4ft	ALHB 400	240	155	37200	151	36456	142	34224	190	45600	186	44688	174	41952
			280	151	42280	148	41434	138	38898	185	51800	181	50764	170	47656
			300	148	44400	145	43512	136	40848	180	54000	176	52920	165	49680
			350	143	50050	140	49049	131	46046	178	62300	174	61054	163	57316
			400	140	56000	137	54880	128	51520	175	70000	171	68600	161	64400

ONE CATALOG NUMBER WITH 15 DIFFERENT OPTIONS

Values based on 70 CRI, no lens. tolerance +-5%

## Ordering Information:

MODEL SELECTION		Typical order example: ALHB150-50-MSR									
PRODUCT ID	Wattage	EFFICIENCY	CCT	OPTICS/LENS	Voltage	Dimming	SENSOR/WIRELESS	MOUNTING	CORD	PLUG	options
ALHB											
ALHB = Amazing Series LED Linear High Bay	60=60W 80=80W 100=100W 120=120W 150=150W 200=200W 240=240W 300=300W 400=400W Adjustable Wattage Optional	(OMIT)= Standard Efficiency, std; P =Premium Efficiency	30=3000K 40= 4000K 50= 5000K, Default is 5000K, Adjustable CCT Optional	(OMIT)= 60-100W No Lens ,Others with M Optics , std, Max. Efficiency W=Wide Optics M=Medium Optics (Aisle) N= Narrow Optics(Aisle) DL=Diffused Lens	(OMIT)= 120-277V, std 347= 120-347V 480= 200-480V	D1 = 0-10VDC ,Dim down to 5%; D0 = 0-10VDC ,Dim down to OFF; DA = Dali Control (No External Control Wiring, std,contact sales if needed)	(OMIT)=None, std ; SR=Sensor pluggable receptacl; MS1=Motion Sensor <30 Ft MS2=Motion Sensor <40 Ft BT01=Blue- tooth control ZG01=Zigbee Wireless control	(OMIT)= Standard Chain/Cable Mount, std (chain not included) PM = 3/4" Pendant Mount Kit (conduit not included) UPM = Standard Inverted Mount (Hardware not included)	(OMIT)= knockout access (no cord, no plug), std ; C3=3 ft cord C6=6 ft cord PPC3=3 ft Plug & Power cord PPC6=6 ft Plug & Power 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 P8=L2420P	PR=Plug & Power Receptacle (5-15R); EM=EM - Emergency Backup 8W ; EM20 - Emergency Backup 20W; SPT=Surge protector 10kv AO=Field-Ad- justable Light Output

up to **10** years warranty

**140-220** lm/w



## Economical HB10

- Up to **220 LPW**, max 320W delivers up to 65000lm
- Corrosion Resistant **Glass Lens** with 60°, 90°, 120° Light distribution



# Glass Lens

## with 60°, 90°, 120° Distribution

Corrosion resistant, suitable for harsh environments



### Product Specifications:

#### LED & Optical Assembly

- CRI: 70+ Standard (80, 90 contact factory for lead-time)
- System Efficiency: Standard: 135~150lm/W; Superior: 170~190lm/W; Premium: 195~220lm/W optional.
- Fixture Rated Life: L70 @ 100,000 hrs
- Distribution /Lenses: 60, 90, 120 degrees lens ,diffused lens ,corrosion resistant Glass Lens,PC refractor ,Aluminum reflector optional

#### Electrical

- Input Wattage: 60W,100W,120W,150W,200W,240W,300W,320W, Adjustable Wattage and CCT optional
- Input Voltage Range: 100-277VAC(347 and 480V available)
- System Power Factor (PF): >0.95
- Total Harmonic Distortion (THD): <20%

#### Ratings & Evaluations

- Operating Temperature: -30°C to +45°C (-22°F to 113°F) Up to 65°C (149°F) optional
- IP65, Suitable For Wet Locations
- Safety: ETL/cETL CE RCM SAA TISI Listed
- Utility: DLC 5.1 Premium, LLLC Network Control not all models are DLC listed, Please refer to [http://www-designlights.org/QPL](http://www.designlights.org/QPL) for complete information

#### Warranty

- 5-years warranty standard, 7-10 years warranty optional

#### Controls

- Dimming: 0-10V Dimmable, Dali2 D4i optional
- Wireless Networking & Sensing: Sensor pluggable receptacle - SR, Motion Sensor -MS
- Compatible with 3rd party smart network control system

#### Mounting

Standard Ring Mount, Hook Mount, U Bracket Mount and 1/2 NPT Pipe Mount optional

#### Cord & Plugs:

Standard = 1ft cord (no plug)  
3ft, 6ft, 12ft, 15ft, 20ft Cord optional;  
15A, 20A, twist lock plug optional

#### Accessories (order separately)

- Sensor pluggable receptacle - SR
- Pluggable motion sensor <30 Ft - MS1
- Pluggable motion 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

### Ordering Information:

MODEL SELECTION				Typical order example: A-HB10-150P-50-M-347-SR							
PRODUCT ID	Wattage	EFFICIENCY	CCT	OPTICS/LENS	Voltage	Dimming	"SENSOR/WIRELESS"	MOUNTING	CORD	PLUG	options
A-HB10											
A-HB10= The tenth generation LED High Bay	60=60W 100=100W 120=120W 150=150W 200=200W 240=240W 300=300W 320=320W, Adjustable Wattage Optional	(OMIT)= Standard, 135~150 lm/W; S = Superior, 170~190 lm/W P = Premium, 195~220 lm/W	30=3000K 40=4000K 50=5000K, - Adjustable CCT Optional	W=120° Lens M=90°Lens N=60°Lens DL=Diffused Lens Maximum Glare Reduction, GL=Glass Lens	(OMIT)=120-2 77V, std 347= 347V 480=480V	(OMIT) =No dimming; D0=0-10V dimmable DA = Dali2; D4i=Dali2 D4i	(OMIT)=None ,std ; SR=Sensor pluggable receptacle; MS1=Motion Sensor <30 Ft MS2=Motion Sensor <40 Ft ZG=Zigbee Wireless con- trol; BT=Blue- tooth Wireless	(OMIT) = Standard Ring Mount, HM=H ook Mount, UM=U Bracket Mount NM=1/2 NPT Pipe Mount	(OMIT)= 1ft cord, std ; C3=3 ft cord C6=6 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



# World's First Driver & Controls Pluggable

Easily plug-in a new driver, give the lamp a new life.

# World's First Driver & Controls Pluggable

You can easily plug-in a new driver, which will give the lamp a new life when the warranty period expires.



## Product Specifications:

### LED & Optical Assembly

- CRI: 70+ Standard (80, 90 contact factory for lead-time)
- System Efficiency: Standard:110~130lm/W; Superior: 140~160lm/W; Premium:160~180lm/W optional.
- Distribution /Lenses: 60, 90, 120 degrees lens ,diffused lens ,PC refractor ,Aluminum reflector optional

### Electrical

- Input Wattage:60W,100W,120W,150W,200W
- Input Voltage Range: 200-240VAC

### Ratings & Evaluations

- Operating Temperature: -20°C to +40°C
- IP65,Suitable For Wet Locations

### Warranty

- 2-years warranty standard, 3-5 years warranty optional

### Controls

- Driver with Motion Sensor optional -DS

### Mounting

Standard Ring Mount,Hook Mount ,U Bracket Mount and 1/2 NPT Pipe Mount optional

- Cord & Plugs:  
Standard = 1ft cord (no plug)  
3ft, 6ft, 12ft, 15ft, 20ft Cord optional;  
15A, 20A, plug optional

### Accessories (order separately)

- Driver with Motion Sensor optional -DS
- Remote for settings sensors-RM1
- Surge protector - SPT
- Emergency Battery - EM

## Ordering Information:

MODEL SELECTION				Typical order example: A-HB11-150P-50-W-DS-SPT						
PRODUCT ID	Wattage	EFFICIENCY	CCT	OPTICS/LENS	Voltage	Dimming	"SENSOR/WIRELESS"	MOUNTING	CORD	options
A-HB11										
A-HB11= The eleventh generation LED High Bay	60=60W 100=100W 120=120W 150=150W 200=200W	(OMIT)= Standard, 110~130lm/W; S = Superior, 140~160lm/W P = Premium, 160~180lm/W	30=3000K 40=4000K 50=5000K	W=120°Lens M=90°Lens N=60°Lens DL=Diffused Lens Maximum Glare Reduction	(OMIT)=200-240V, std	(OMIT)=No dimming	(OMIT)=None, std ; DS=Driver with Motion Sensor optional	(OMIT) = Standard Ring Mount, HM=Hook Mount, UM=U Bracket Mount, NM=1/2 NPT Pipe Mount	(OMIT)= 1ft cord, std ; C3=3 ft cord C6=6 ft cord	EM=EM - Emergency Backup 8W ; SPT=Surge protector 10kv

up to **10** years warranty

**140-210** lm/w



## Nebula Series

# Smart LED High Bay

- **Sensor pluggable**, adding sensors whenever you need
- **Power field-adjustable**, reduce SKUs by up to 50%
- **Efficiency up to 210 LPW**, delivers up to 48000 lumens
- **Various lens & lampshades** covering all your application needs
- Right-sized Compact design, **reduces shipping cost** by up to 50%



# Corrosion Resistant Glass Lens, PC Refractor , Aluminum Reflector Optional



## First Sensor Pluggable Intelligent Design

Mounting sensors and make your luminaire smart whenever you need (Optional)

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



3 seconds easily plug-in



Smart LED High Bay

## World's First Patented Pluggable Sensor

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



- 3 seconds easy plug-in scalability
- No re-circuiting or new control wiring
- Zigbee/Bluetooth mesh network smart control
- Controls are easy to upgrade, install and maintain



Plug and Play



Zigbee mesh network control



Bluetooth mesh network control



App control



On/off control



Daylight sensor



Remote control setting



Motion sensor



Compatible with 3rd party smart network control system (Casambi, Nedap, Legrand...)

# Power and CCT Field-adjustable

reduce SKUs by up to 88% (Optional)

- Reduce overall number of SKUs to 2 while offering 18 wattage and CCT choices
- Streamline ordering and inventory, making it flexible enough for distributor stock and flow



Power	A	B	C
	100%	80%	60%
CCT	CW	NW	WW
	5000K	4000K	3000K

## Right-sized Compact Design

reduces shipping cost by up to 50%

Excellent heat dissipation making it can be designed to smaller size, reduces shipping cost by up to 50% , saves a great deal of valuable shelf or cargo space.

	100W	150W	200W
20'GP Load	3,636 pcs	2,652 pcs	2,128 pcs
40'HQ Load	8,280 pcs	6,184 pcs	4,802 pcs

## Efficiency up to 210 LPW

delivers up to 48000 lumens

Excellent heat dissipation and special aluminum reflective maximizes LED performance, efficiency up to 210 LPW.

Offering various lumen packages from 15,000 to 48,000 lumens, covers all your application needs.

High efficacy models pay for themselves and help you save on energy costs for years to come.

Single Luminaire	6L T5HO	Typical LED High Bay	High Efficacy
Lumens	26,353	26,217	26,558
Input Watts	343	220	130
Operating Hours/Year (15h/day)	5,475	5,475	5,475
Annual Energy Costs (0.11 KWh)	\$206.57	\$132.50	\$81.30
Monthly Costs (0.11 KWh)	\$17.21	\$11.04	\$6.78
Amazing VS 6L T5HO	Annual Savings \$\$		Up to \$125.27
Amazing VS Typical LED High Bay	Annual Savings \$\$		Up to \$51.19

Can You  
Afford  
to Spend  
**60% More**

Per Fixture  
Per Year?

Estimate does not include utility rebates or maintenance savings. Values based 5000K, 70 CRI.

**It's Time to Put \$\$ Back in Your Pocket!**



# Various Mounting option

covering all your application needs



## Product Specifications:

### LED & Optical Assembly

- CCT: 3000K,4000K,5000K
- CRI: 70+ Standard (80, 90 contact factory for lead-time)
- System Efficiency: Standard, 135~150lm/W; Superior, 175~190lm/W; Premium, 195~210lm/W optional.
- Fixture Rated Life: L70 @ 100,000 hrs @ 55 C
- TM-21 Calculation at 25 C: L70 @ 250,000 hrs minimum L90 @ 65,000 hrs minimum
- Distribution /Lenses: 60, 90, 120 degrees lens and diffused lens optional

### Electrical

- Input Wattage: 60W,100W,120W,150W,200W,240W, Adjustable Wattage
- Input Voltage Range: 100-277VAC(100-240V,347V and 480V available)
- System Power Factor (PF): >0.95
- Total Harmonic Distortion (THD): <20%

### Ratings & Evaluations

- Operating Temperature: -30 C to +50 C (-22 F to 122 F)
- IP65, Suitable For Wet Locations
- Safety: CE,SAA,RCM,ETL/cETL,TISI Listde
- Utility: DLC 5.1 Premium,LLCC 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 Ring Mount,Hook Mount ,U Bracket Mount and 1/2 NPT Pipe Mount optional
- Cord & Plugs: Standard = 1ft cord (no plug) 3ft, 6ft, 12ft, 15ft, 20ft Cord optional; 15A, 20A, twist lock plug optional

### Warranty

- 5-years warranty standard,7-10 years warranty optional

### Accessories (order separately)

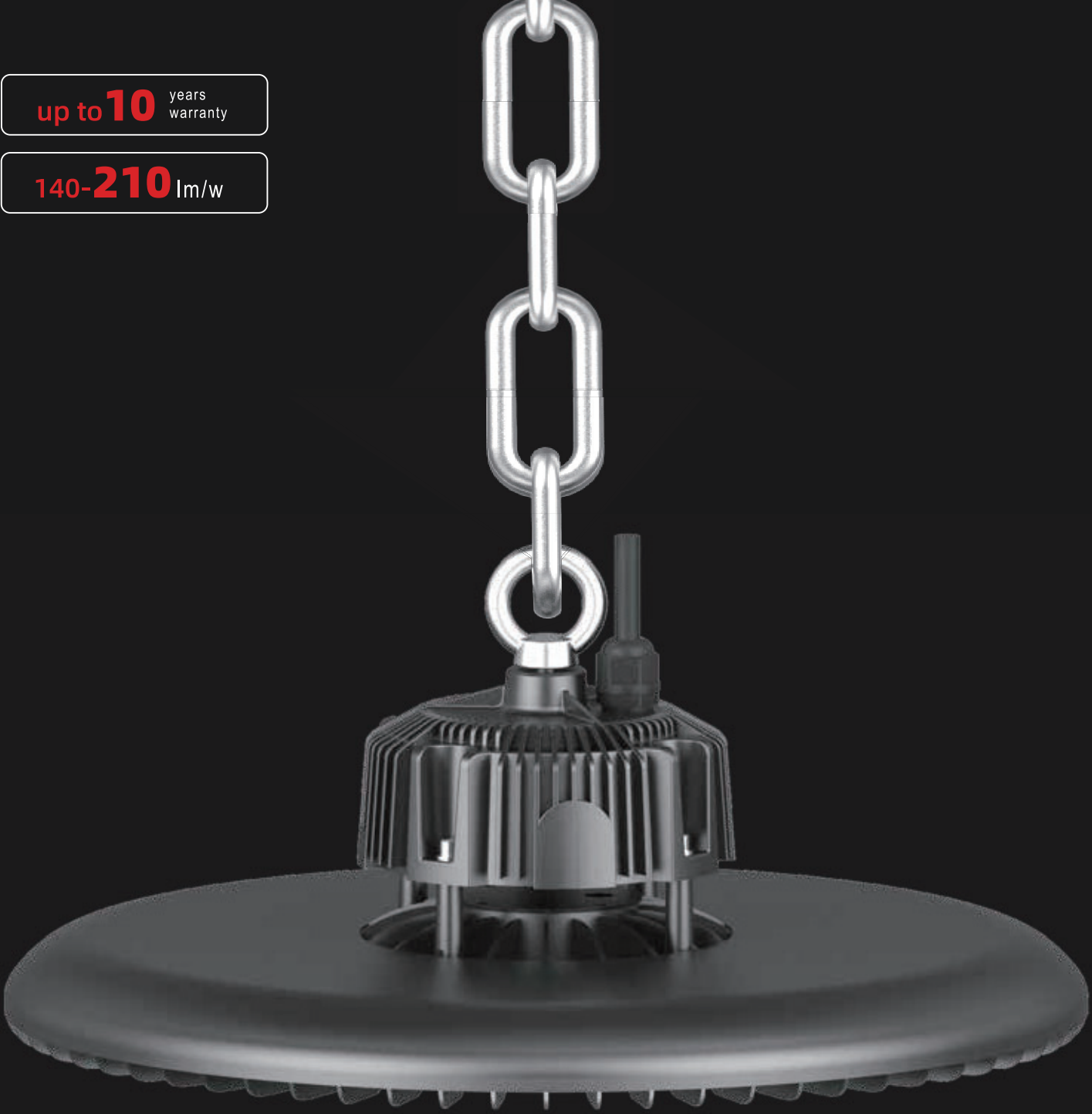
- Sensor pluggable receptacl - SR
- Pluggablemotion sensor <30 Ft - MS1
- Pluggablemotion sensor <40 Ft - MS2
- Remote for settings sensors-RM1(at least one required per project)
- Zigbee Wireless Sensor-ZG01
- Bluetooth Wireless Sensor-BT01
- Zigbee Gateway-GW(100 fixture need 1,at least 1 required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

## Ordering Information:

MODEL SELECTION											
Typical order example: NHB150-50-MSR											
PRODUCT ID	Wattage	EFFICIENCY	CCT	OPTICS/LENS	Voltage	Dimming	SENSOR/WIRELESS	MOUNTING	CORD	PLUG	options
NHB											
NHB= Nebula Series LED High Bay	60=60W 100=100W 120=120W 150=150W 200=200W 240=240W, Adjustable Wattage Optional	(OMIT)= Standard, 130~150lm/W; S = Superior, 175~190lm/W W P = Premium, 195~210lm/W	30=3000K 40=4000K 50=5000K	W= 120°Lens M= 90°Lens N= 60°Lens DL= Diffused Lens Maximum Glare Reduction	(OMIT)= (100-240V) 120-277V, std 347= 347V 480=480V	(OMIT) = 0-10V dimmable DA = Dali	(OMIT)=None, std ; SR=Sensor pluggable receptacl; MS1=Motion Sensor <30 Ft MS2=Motion Sensor <40 Ft ZG01=Zigbee Wireless control	(OMIT) = Standard Ring Mount, HM=Hook Mount , UM=U Bracket Mount NM= 1/2 NPT Pipe Mount	(OMIT)= 1ft cord, std ; C3=3 ft cord C6=6 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

up to **10** years warranty

**140-210** lm/w



# Victory Series Sleek HighBay/Hall Light

- Dustproof,Corrosion Resistance
- Suitable for Ranch/Agriculture/Food Processing or Dusty Area
- Power & CCT Field-Adjustable
- Sensor Pluggable



# First Sensor Pluggable 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 luminaire

## World's First **Patented Pluggable Sensor**

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



- 3 seconds easy plug-in scalability
- No re-circuiting or new control wiring
- Zigbee/Bluetooth mesh network smart control
- Controls are easy to upgrade, install and maintain



Plug and Play



Zigbee mesh network control



Bluetooth mesh network control



App control



On/off control



Daylight sensor



Remote control setting



Motion sensor



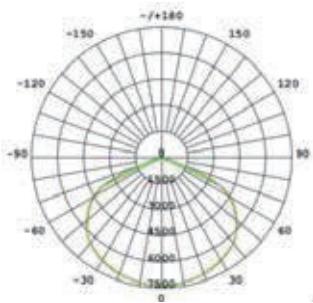
Compatible with 3rd party smart network control system (Casambi, Nedap, Legrand...)

## Smooth Body

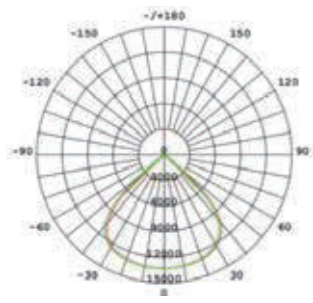
Sleek construction allows for easy clean-up and prevents the accumulation of dust and water.



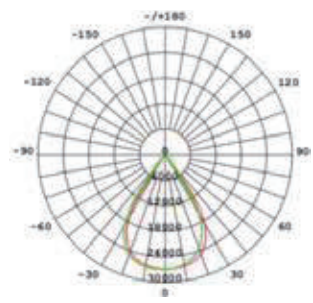
### Wide,Medium,Narrow Optics and Dome Lens options offer versatility



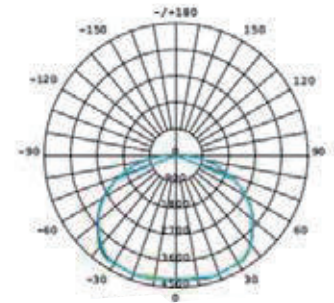
120°Wide Angle for  
Factory /Gymnasiums  
/Athletic Center



90°Medium Angle for  
Large Open Areas



60°Narrow Angle for  
Highly installed areas  
or Narrow Areas



Dome lens

### Different applications,different choices



High Bay with PC lens



High Bay with  
aluminum reflector



High Bay with prismatic  
reflector and drop lens

# Accessory Options

Motion Sensor



Daylight Sensor



PC Reflector



Aluminum Reflector



Cable With Plug



Steel Chain



Cable Connector



3/4"NPT Converter



## Product Specifications :

### LED & Optical Assembly

- CCT: 3000K,4000K,5000K
- CRI: 70+ Standard (80, 90 contact factory for lead-time)
- System Efficiency: Standard, 135~150lm/W; Superior, 170~190lm/W; Premium, 190~210lm/W optional.
- Fixture Rated Life: L70 @ 100,000 hrs @ 55 °C
- TM-21 Calculation at 25 °C : L70 @ 250,000 hrs minimum L90 @ 65,000 hrs minimum
- Distribution /Lenses: 60, 90, 120 degrees lens and diffused lens optional

### Electrical

- Input Wattage: 60W,100W,120W,150W,200W,240W, Adjustable Wattage
- Input Voltage Range: 100-277VAC(100-240V,347V and 480V available)
- System Power Factor (PF): >0.95
- Total Harmonic Distortion (THD): <20%

### Ratings & Evaluations

- Operating Temperature: -30°C to +50°C (-22 °F to 122 °F)
- IP65,Suitable For Wet Locations
- Safety: CE,SAA,RCM,ETL/cETL,TISI Listed
- Utility: DLC 5.1 Premium,LLC 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 receptacle - SR Motion Sensor <30 Ft - MS1 Motion Sensor <40 Ft - MS2
- Compatible with 3rd party smart network control system

### Mounting

- Typical Mounting: Standard Ring Mount,Hook Mount ,U Bracket Mount and 1/2 NPT Pipe Mount optional
- Cord & Plugs: Standard = 1ft cord (no plug) 3ft, 6ft, 12ft, 15ft, 20ft Cord optional; 15A, 20A, twist lock plug optional

### Warranty

- 5-years warranty standard,7-10 years warranty optional

### Accessories (order separately)

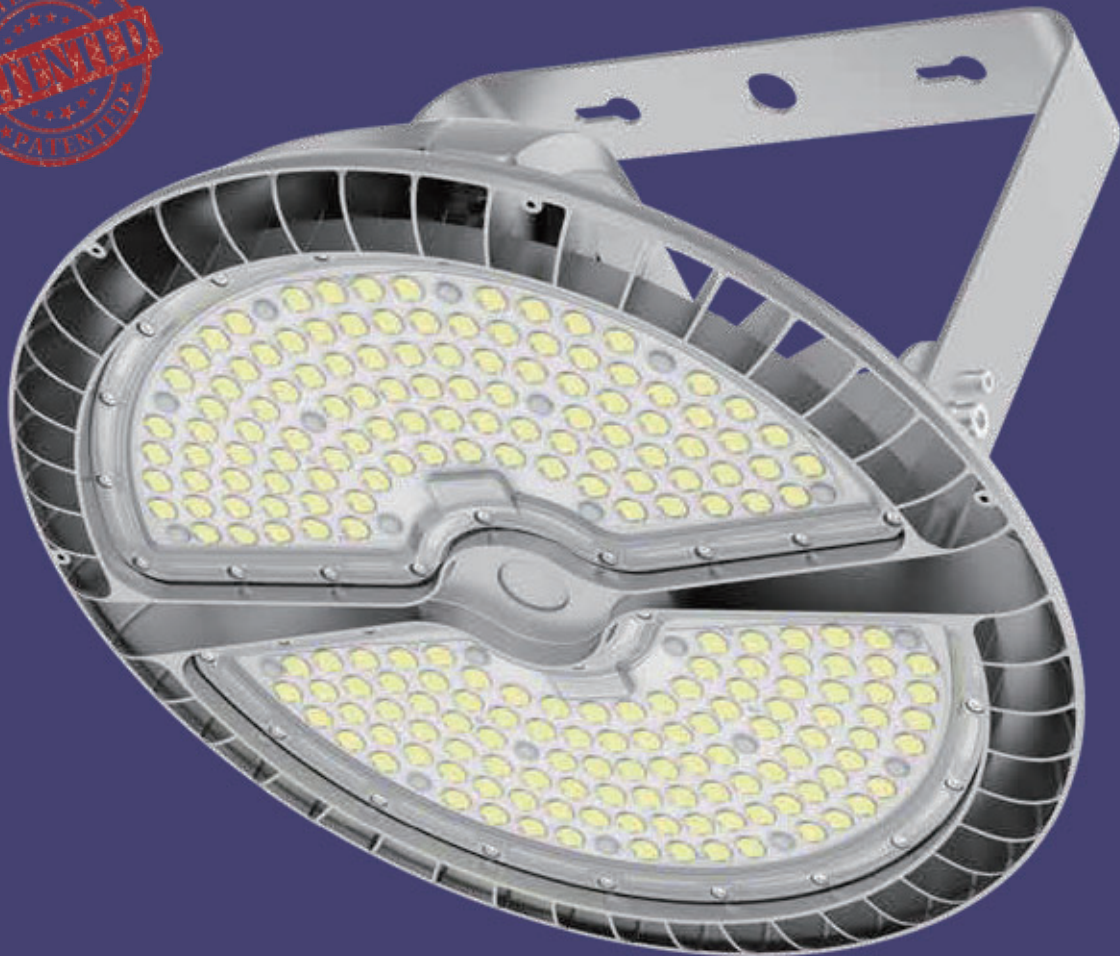
- Sensor pluggable receptacle - SR
- Pluggable motion sensor <30 Ft - MS1
- Pluggable motion sensor <40 Ft - MS2
- Remote for settings sensors-RM1(at least one required per project)
- Zigbee Wireless Sensor-ZG01
- Bluetooth Wireless Sensor-BT01
- Zigbee Gateway-GW(100 fixture need 1,at least 1 required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

## Ordering Information:

MODEL SELECTION											
Typical order example: VHB150-50-MSR											
PRODUCT ID	Wattage	EFFICIENCY	CCT	OPTICS/LENS	Voltage	Dimming	SENSOR/WIRELESS	MOUNTING	CORD	PLUG	options
<b>VHB</b>											
<b>VHB=</b> Victory Series LED High Bay	60=60W 100=100W 120=120W 150=150W 200=200W 240=240W,, Adjustable Wattage Optional	<b>(OMIT)=</b> Standard, 130~150lm/W; S = Superior, 170~190lm/W P = Premium, 190~210lm/W	<b>30=3000K</b> <b>40=4000K</b> <b>50=5000K</b> Adjustable CCT Optional	<b>W=</b> 120° Lens <b>M=</b> 90° Lens <b>N=</b> 60° Lens <b>DL=</b> Diffused Lens Maximum Glare Reduction	<b>(OMIT)=</b> (100-240V) 120-277V, std 347= 347V 480=480V	(OMIT) = 0-10V dimmable DA = Dali	(OMIT)=None, std ; <b>SR</b> =Sensor pluggable receptacle; <b>MS1</b> =Motion Sensor <30 Ft <b>MS2</b> =Motion Sensor <40 Ft ZG01=Zigbee Wireless control	<b>(OMIT) =</b> Standard Ring Mount, <b>HM</b> =Hook Mount , <b>UM</b> =U Bracket <b>NM</b> = 1/2 NPT Pipe Mount	<b>(OMIT)=</b> 1ft cord, std ; C3=3 ft cord C6=6 ft cord	<b>(OMIT)=</b> None, std; P1=5-15P P2=5-20P P3=L5-15P P4=L6-15P P5=L7-15P P6=L7-20P P7=L8-20P	<b>EM</b> =EM - Emergency Backup 8W ; <b>EM20</b> - Emergency Backup 20W; SPT=Surge protector 10kv

UP TO **10** years warranty

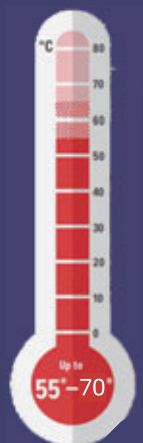
140 - **200** lm/W



## Cactus Series

# Heavy Industry High Temperature LED Hall Light / Crane light

High Ambient Operating Range Up to 70°C (158°F)  
Durable, High Lumen, Mounting heights up to 50 meters  
Sensor Pluggable, Mounting sensors whenever you need



# 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

## World's First **Patented Pluggable Sensor**

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



- 3 seconds easy plug-in scalability
- No re-circuiting or new control wiring
- ZigBee/Bluetooth mesh network smart control
- Controls are easy to upgrade, install and maintain



Plug and Play



Zigbee mesh network control



Bluetooth mesh network control



App control



On/off control



Daylight sensor



Remote control setting



Motion sensor



Compatible with 3rd party smart network control system (Casambi, Nedap, Legrand...)

# 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. Ensures excellent performance and longer lifespan. LED life up to 180,000 hours.



Delivers up to 210,000 lumens. Mounting heights up to 50 meters ideal for replacing 1000W to 5000W HID.



Single: 150W-350w



twin: 400W-700W



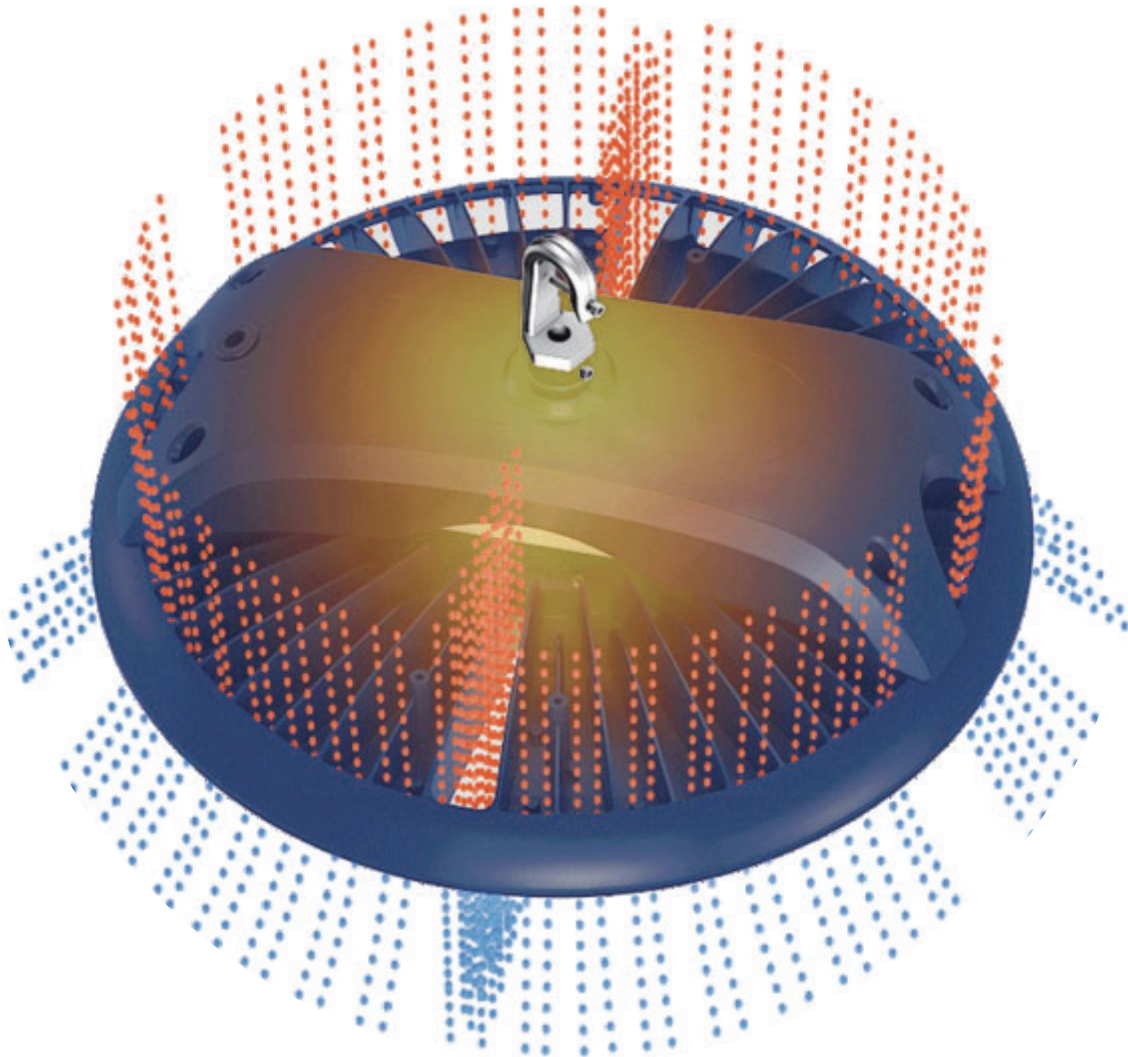
Quadruple: 800W-1400W

## Cactus+ Series



# High Temperature High Bay

## High Ambient Operating Range-Up To 70°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 70°C (158°F)

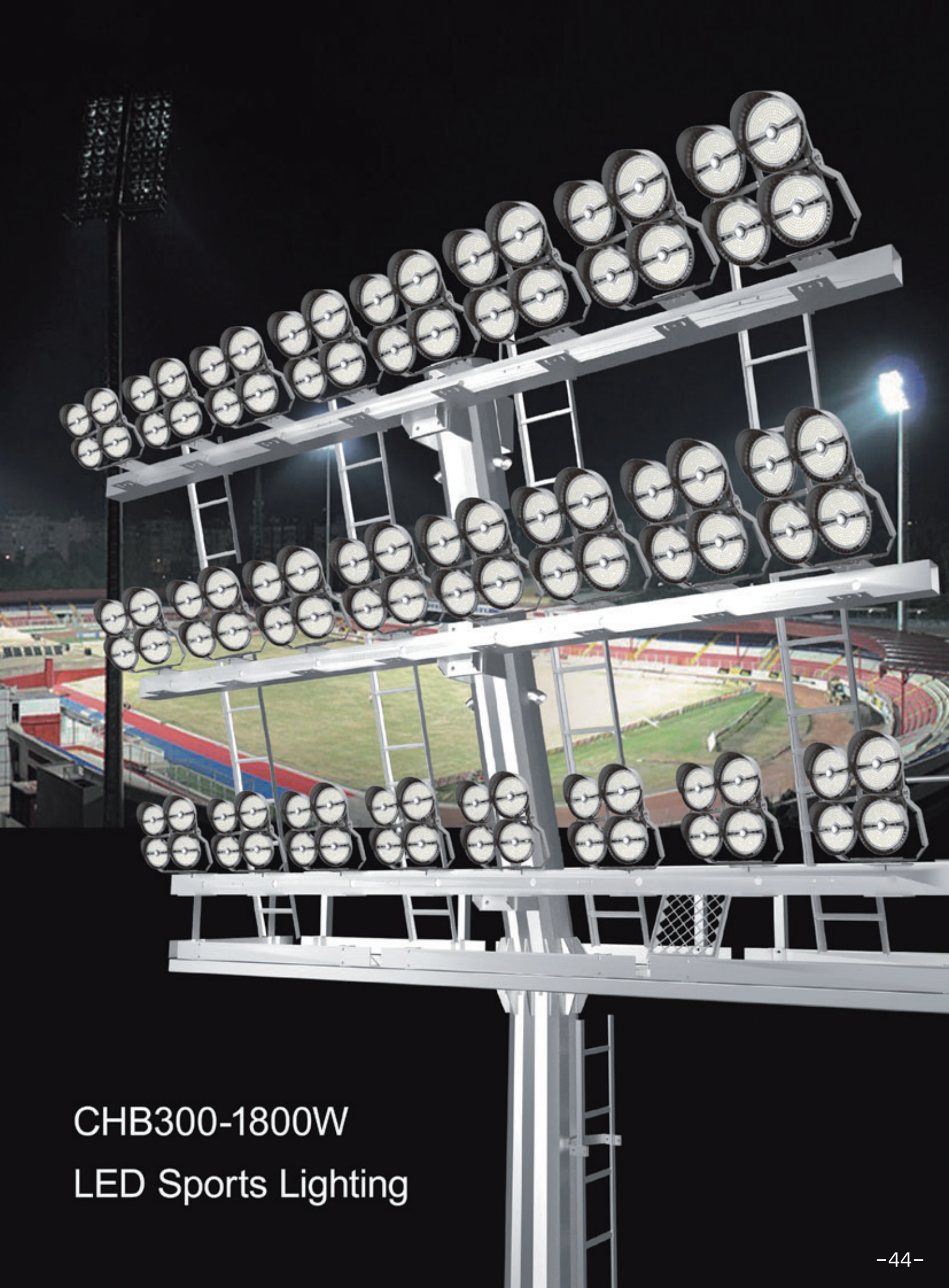


### Cactus+ Series High temperature High bay models

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  
Sports Light / Flood light / High Mast Light**





CHB300-1800W  
LED Sports Lighting

# Accessory Options



## Product Specifications:

### LED & Optical Assembly

- CCT: 3000K,4000K,5000K
- CRI: 70+ Standard (80, 90 contact factory for lead-time)
- System Efficiency: Standard, 135~150lm/W; Superior, 170~180lm/W; Premium, 185~200lm/W optional.
- Fixture Rated Life: L70 @ 100,000 hrs @ 55 C
- TM-21 Calculation at 25 C: L70 @ 250,000 hrs minimum L90 @ 65,000 hrs minimum
- Distribution /Lenses: 60, 90, 120 degrees lens and diffused lens optional

### Electrical

- Input Wattage: 150W,200W,240W,320W,350W,400W,500W,600W Adjustable Wattage
- Input Voltage Range: 100-277VAC(100-240V,347V and 480V available)
- System Power Factor (PF): >0.95
- Total Harmonic Distortion (THD): <20%

### Ratings & Evaluations

- Operating Temperature: -30 C to +50 C (70C optional)
- IP65,Suitable For Wet Locations
- Safety: CE,SAA,RCM,ETL/cETL,TISI Listde
- Utility: DLC 5.1 Premium,LLC 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 Ring Mount,Hook Mount ,U Bracket Mount and 1/2 NPT Pipe Mount optional

- Cord & Plugs: Standard = 1ft cord (no plug) 3ft, 6ft, 12ft, 15ft, 20ft Cord optional; 15A, 20A, twist lock plug optional

### Warranty

- 5-years warranty standard,7-10 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
- Diffused Lens - DL

## Ordering Information:

MODEL SELECTION											
Typical order example: CHB150-50-MSR											
PRODUCT ID	Wattage	EFFICIENCY	CCT	OPTICS/LENS	Voltage	Dimming	SENSOR/WIRELESS	MOUNTING	CORD	PLUG	options
CHB											
CHB= Cactus Series LED High Bay	150=150W 200=200W 240=240W 320=320W 350=350W 400=400W 500=500W 600=600W	(OMIT)= Standard, 135~150lm/W; S = Superior, 170~180lm/W W P = Premium, 185~200lm/W	30=3000K 40=4000K 50=5000K	W= 120°Lens M= 90°Lens N= 60°Lens DL= Diffused Lens Maximum Glare Reduction	(OMIT)= (100-240V) 120-277V, std 347= 347V 480=480V	(OMIT) = 0-10V dimmable DA = Dali	(OMIT)=None, std ; SR=Sensor pluggable receptacl; MS1=Motion Sensor <30 Ft MS2=Motion Sensor <40 Ft ZG01=Zigbee Wireless control	(OMIT) = Standard Ring Mount, HM=Hook Mount , UM=U Bracket Mount NM= 1/2 NPT Pipe Mount	(OMIT)= 1ft cord, std ; C3=3 ft cord C6=6 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

up to **10** years warranty

**140-200** lm/w



## Ranch/Agriculture/Food-processing Smart LED High Bay

IP69K, Corrosion Resistance, Chemical Resistance, Anti-ammonia

- Nonporous & sealed sleek structure design ensures free of corrosion, dust, dirt, insects, moisture and bacteria.
- Compatible with 3rd party smart network control system



# First **Plug&Play Smart Design**

World's first patented designed module type plug & play Zigbee add-on 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

# World's First **Patented Pluggable Sensor**

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



- 3 seconds easy plug-in scalability
- No re-circuiting or new control wiring
- ZigBee/Bluetooth mesh network smart control
- Controls are easy to upgrade, install and maintain



Plug and Play



Zigbee mesh network control



Bluetooth mesh network control



App control



On/off control



Daylight sensor



Remote control setting



Motion sensor



Compatible with 3rd party smart network control system (Casambi, Nedap, Legrand...)

## **IP69K Waterproof and Corrosion-Resistant**

ideal lighting for food-processing or any applications that require frequent cleaning with high-pressure hot water and/or sanitation chemicals



### **Smooth Body without screws exposed**

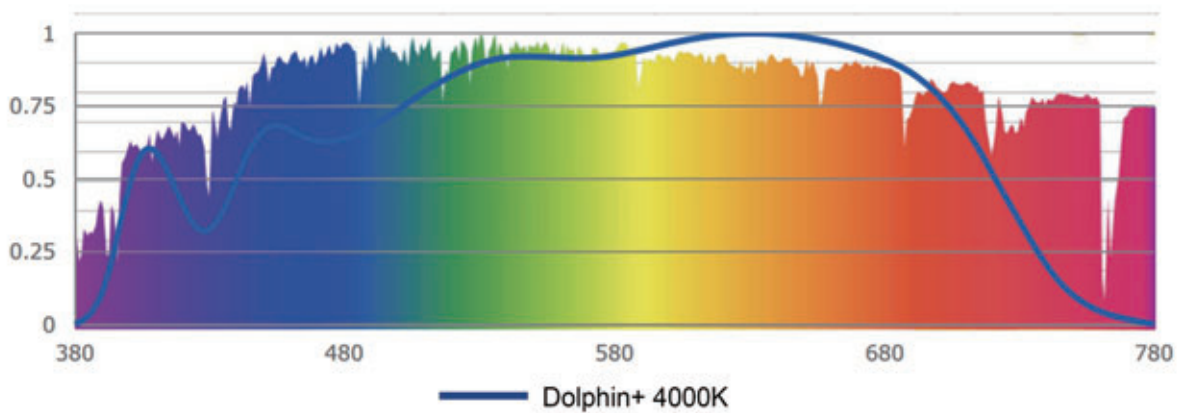
Sleek construction allows for easy clean-up and prevents the accumulation of dust, all openings are sealed. Bacteria and molds have no crevices or recesses in which to thrive

# Dolphin+ Series **Healthy light LED High Bay**

Special sunlight engine components makes the Dolphin+ Blue light hazard radiance rating up to the exemption level RG0

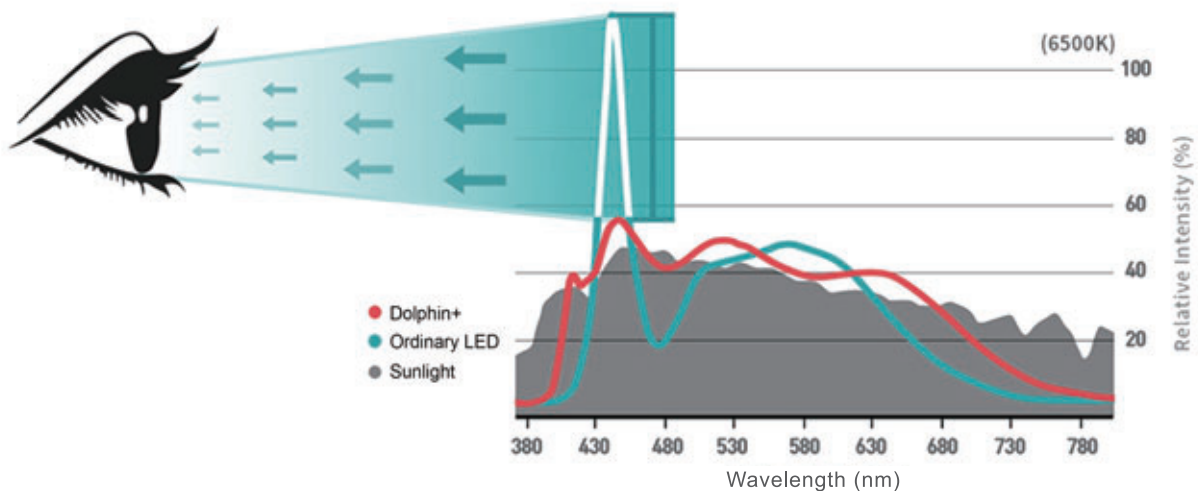


## Blue light hazard radiance rating:RG0



Dolphin+ reduces the low wavelength blue light (415-460nm) from ordinary lighting to near the sun's light spectrum, thus effectively reduces the damage of blue light to the retina

## Dolphin+ provide the comfort to your eyes



Dolphin+ significantly reduces damage level on the retina cells

# Accessory Options



## Product Specifications:

### LED & Optical Assembly

- CCT: 3000K,4000K,5000K
- CRI: 70+ Standard (80, 90 contact factory for lead-time)
- System Efficiency: Standard, 135~150lm/W; Superior, 170~185lm/W; Premium, 185~200lm/W optional.
- Fixture Rated Life: L70 @ 100,000 hrs @ 55 C
- TM-21 Calculation at 25 C: L70 @ 250,000 hrs minimum L90 @ 65,000 hrs minimum
- Distribution /Lenses: 60, 90, 120 degrees lens and diffused lens optional

### Electrical

- Input Wattage: 60W,100W,120W,150W,190W Adjustable Wattage
- Input Voltage Range: 100-277VAC(100-240V,347V and 480V available)
- System Power Factor (PF): >0.95
- Total Harmonic Distortion (THD): <20%

### Ratings & Evaluations

- Operating Temperature: -30 C to +50 C (-22 F to 122 F)
- IP69K,Suitable For Wet Locations
- Safety: CE,SAA,RCM,ETL/cETL,TISI Listde
- Utility: DLC 5.1 Premium,LLC 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 Ring Mount,Hook Mount ,U Bracket Mount and 1/2 NPT Pipe Mount optional
- Cord & Plugs: Standard = 1ft cord (no plug) 3ft, 6ft, 12ft, 15ft, 20ft Cord optional; 15A, 20A, twist lock plug optional

### Warranty

- 5-years warranty standard,7-10 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
- Diffused Lens - DL

## Ordering Information:

MODEL SELECTION											
Typical order example: SHB150-50-MSR											
PRODUCT ID	Wattage	EFFICIENCY	CCT	OPTICS/LENS	Voltage	Dimming	SENSOR/WIRELESS	MOUNTING	CORD	PLUG	options
SHB											
SHB= Smart Series LED High Bay	60=60W 100=100W 120=120W 150=150W 190=190W Adjustable Wattage Optional	(OMIT)= Standard, 135~150lm/W; S = Superior, 170~185lm/W W P = Premium, 185~200lm/W	30=3000K 40=4000K 50=5000K Adjustable CCT Optional	W= 120°Lens M= 90°Lens N= 60°Lens DL= Diffused Lens Maximum Glare Reduction	(OMIT)= (100-240V) 120-277V, std 347= 347V 480=480V	(OMIT) = 0-10V dimmable DA = Dali	(OMIT)=None, std ; SR=Sensor pluggable receptacl; MS1=Motion Sensor <30 Ft MS2=Motion Sensor <40 Ft ZG01=Zigbee Wireless control	(OMIT) = Standard Ring Mount, HM=Hook Mount , UM=U Bracket Mount NM= 1/2 NPT Pipe Mount	(OMIT)= 1ft cord, std ; C3=3 ft cord C6=6 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

World's First

# Driver & Controls Pluggable

## Smart LED Vapor Tight /Tri-proof Light

You can install your luminaires today and mount sensors or IOT controllers whenever you need



- **Sensor pluggable**, mounting sensors whenever you need
- **Easily tool-free installation** and linking with buckle end cap
- **Power & Color Temp field-adjustable** reduce SKUs by up to 80%
- Zigbee/Bluetooth mesh network smart controls
- No re-circuiting or new control wiring
- Efficiency up to 170 LPW, delivers up to 18000 lumens



# Smart LED Tri-proof Light -STP Series

## Easily Tool-Free installation and linking

- End cap with buckle, easy to open and wire
- Go wiring with your own cable
- No need junction box



## Linkable in Series

Every light has two easy fixing connectors on both sides. User can fix the cable into the connectors fastly and easily (Optional)



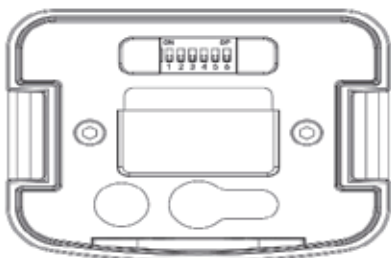
## Configurable power connections

Hardwire, whip, or liquid tight power connections available.



## Tool-Less Field Adjustable Color Temp & Wattage reduce SKUs by up to 80% (Optional)

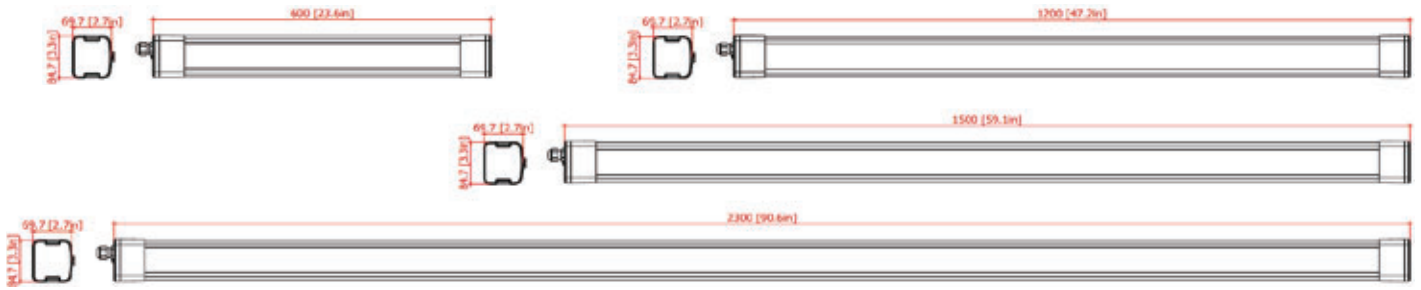
- Reduce overall number of SKUs to 2 while offering 8 wattage and 3 CCT choices
- Streamline ordering and inventory, making it flexible enough for distributor stock and flow



Power Adjustable DIP Switch								
	1	2	3	4	0.6M	1.2M	1.5M	2.4M
ON ↑	ON	—	—	—	10W	20W	40W	60W
█	—	ON	—	—	12W	25W	45W	65W
	—	—	ON	—	15W	30W	50W	70W
	—	—	—	ON	18W	35W	55W	75W
	—	—	—	—	20W	40W	60W	80W

CCT Tunable					
	5	6	CCT	CCT	CCT
ON ↑	ON	—	3000K	—	—
█	—	ON	—	4000K	—
	—	—	—	—	5000K

# Product Dimensions:



## First Sensor Pluggable Intelligent Design

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



3 seconds easily plug-in



Smart LED Tri-proof Light

## STP family



STP



Economic  
STP02



Compact  
STP03



# Product Features

- **Sensor pluggable**, mounting sensors whenever you need
- Easily **tool-free** installation and linking with special design
- **Color Temp Field Adjustable**, Adjust CCT between 3000K, 4000K, or 5000K
- **Power Field Adjustable**, Adjust power between 40W, 35W, 30W, 25W and 20W (4ft), 80W, 75W, 70W, 65W and 60W (8ft)
- Controls & Sensors: 0-10V, motion & daylight sensor, ZigBee/Bluetooth, Wireless Daintree compliant options.
- Optional external connector version for easier installation
- Efficiency: Up to 170LPW Light Output Range: 2,000-18,000 lumens
- Emergency Battery backup option available
- Available in 2ft, 4ft, 5ft and 8ft length

# Product Specifications

## LED & Optical Assembly

- CCT: 3000K, 4000K, 5000K, Adjustable CCT
- CRI: 80 and 90 CRI options
- System Efficiency: Up to 130lm/W and 170lm/w optional
- Distribution/Lenses: diffused lens standard, clear lens optional
- L70 @ 100,000 hours minimum @ 55°C

## Ratings & Evaluations

- Operating Temperature: -30°C to +45°C (-22°F to 122° F).
- Location: IP66 for dust and water
- Safety: ETL/cETL CE CB SAA 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

## Electrical

- Input Wattage: 28W, 40W, 50W, 65W, 80W, 110W, and Adjustable Wattage Optional
- Input Voltage: 100-277VAC/100-240VAC (347V available)
- System Power Factor (PF): >0.9

## Controls

- Dimming: 0-10VDC Dim, std for US, Non-dimmable, std for EU. 0-10V, DMX, Dali2 optional
- Wireless Networking & Sensing:
  - Sensor ready pluggable receptacle - SR
  - Motion Sensor on/off - MS01
  - Motion Sensor 3-step dimming - MS02
  - ZigBee Wireless - ZG01
  - Bluetooth Wireless - BT01
  - ZigBee with Occ Sensor - ZGMS02
  - Bluetooth with Occ Sensor - BTMS02
- Compatible with 3rd party smart network control system

# Energy and Performance Data

Fixture Length	Catalog No.	Typical Power	Standard Efficiency						Premium Efficiency (p)					
			5000K		4000K		3000K		5000K		4000K		3000K	
			LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens
4ft	STP36	20	140	2800	137	2744	129	2576	170	3400	167	3332	162	3230
		25	136	3400	133	3332	125	3128	165	4125	162	4043	157	3919
		30	135	4050	132	3969	124	3726	162	4860	159	4763	154	4617
		35	134	4690	131	4596	123	4315	161	5635	158	5522	153	5353
		40	133	5320	130	5214	122	4894	160	6400	157	6272	152	6080
8ft	STP80	60	140	8400	137	8232	129	7728	170	10200	167	9996	162	9690
		65	136	8840	133	8663	125	8133	165	10725	162	10511	157	10189
		70	135	9450	132	9261	124	8694	162	11340	159	11113	154	10773
		75	134	10050	131	9849	123	9246	161	12075	158	11834	153	11471
		80	133	10640	130	10427	122	9789	160	12800	157	12544	152	12160

**ONE CATALOG NUMBER WITH 9 DIFFERENT OPTIONS**

# Ordering Information:

MODEL SELECTION			Typical order example: ETP364TP50SR							
PRODUCT ID	MAX WATTAGE	FIXTURE LENGTH	EFFICIENCY	CCT&CRI	OPTICS /LENS	VOLTAGE	DIMMING	SENSOR/ WIRELESS CONTROLS	MOUNTING	OPTIONS
STP										
STP= Smart Tri-Proof / Vapor Tight	28=28W 40=40W 50=50W 65=65W 80=80W 110=110W, Field-Adjustable Wattage	2T=2ft 4T=4ft 5T=5ft 8T=8ft	(OMIT)= Standard Efficiency, std; P =Premium Efficiency	30=3000K 40= 4000K 50= 5000K Default is 5000K , Field-Adjustable CCT	(OMIT)= Diffused Lens C = Clear Lens	(OMIT)= 120-277V/10 0-240V, std H= 120-347V HV= 200-480V	Non-dimmable, std D0 = 0-10VDC DA = Dali (No External Control Wiring, std, contact sales if needed)	(OMIT)=None, std ; SR=Sensor pluggable receptacle; MS1=Motion Sensor on/off MS2=Motion Sensor 3-step dimming (IR remote sold separately to modify default settings sensors) ZG01=Zigbee Wireless control BT01=Bluetooth Wireless control	(OMIT)= Standard Chain/Cable or Surface mount, std (chain not included)	AO=Field-Adjustable Light Output AC=Field-Adjustable Color Temp EM=EM - Emergency Backup SPT=Surge protector 10kv

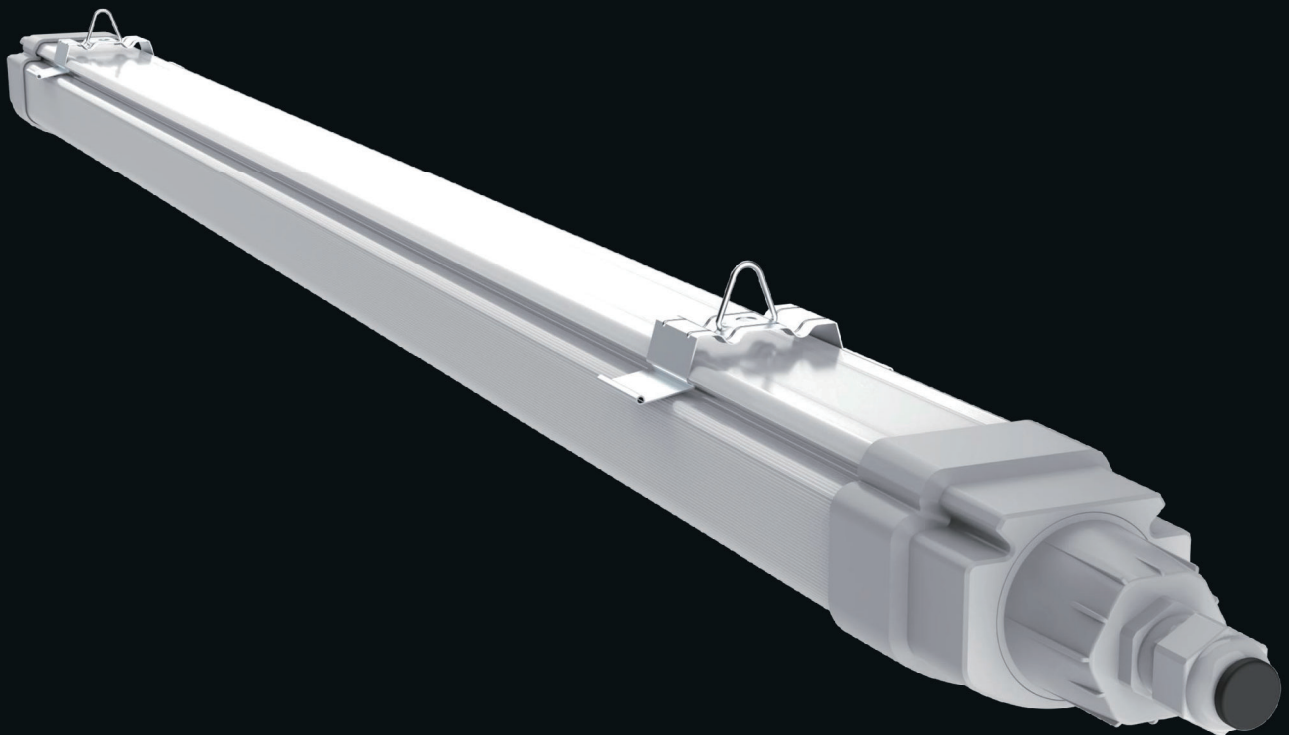
# World's First

130-**170** lm/w

## Driver & Controls Pluggable

### Smart LED Tri-proof Light -ETP07

Install your luminaires today, Mount sensors or IOT controllers whenever you need



- Efficiency up to 170LPW, delivers up to 8000 lumens
- Buckle-open housing design, easy for installation & maintenance
- Sensor pluggable, mounting sensors whenever you need

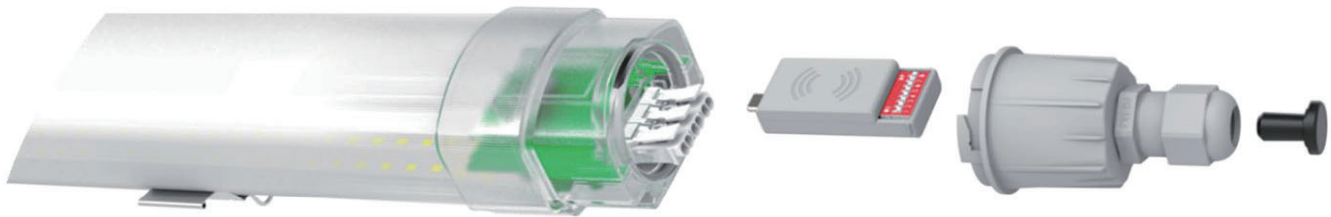


# First Sensor Pluggable Intelligent Design

Mounting sensors and make your luminaire smart whenever you need (Optional)

World's first patented designed module type plug & play sensor and sensor embedded Luminaire.

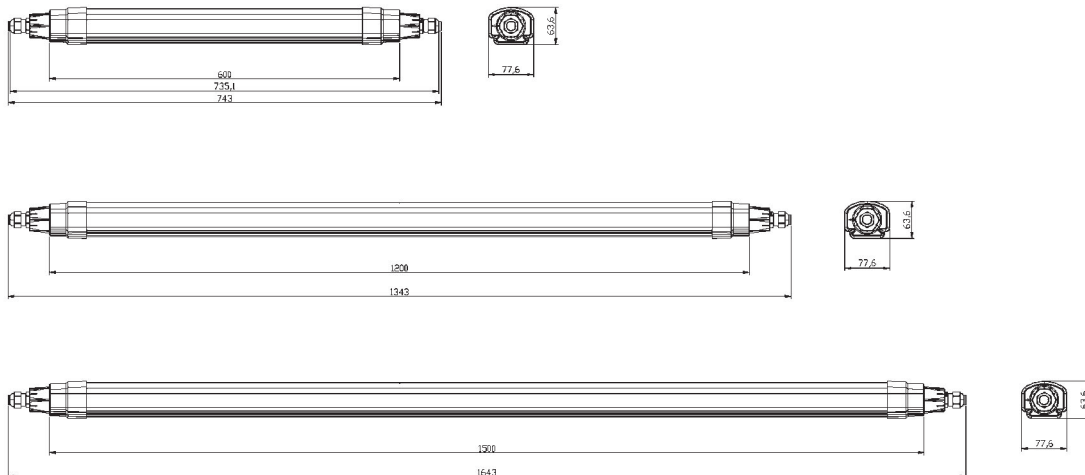
User can easily scale from an ordinary fixture to a smart light fixture in 3 seconds.



## Efficiency & Output Lumen

Model	Length (mm)	Voltage(V)	Watt(W)	Lumen(lm)	Efficacy(lm/W)	CCT(K)	Beam angle	PF	Lifetme(Hrs)
ETP07-18	600	220-240V	18	2520	130/150/170	3000K-4000K-5000K-6000K	120'	0.9	50,000
ETP07-36	1200	220-240V	36	5040	130/150/170	3000K-4000K-5000K-6000K	120'	0.9	50,000
ETP07-55	1500	220-240V	55	7700	130/150/170	3000K-4000K-5000K-6000K	120'	0.9	50,000

## Drawing



# Smart LED Vapor Tight / Tri-proof Light **ETP Series**

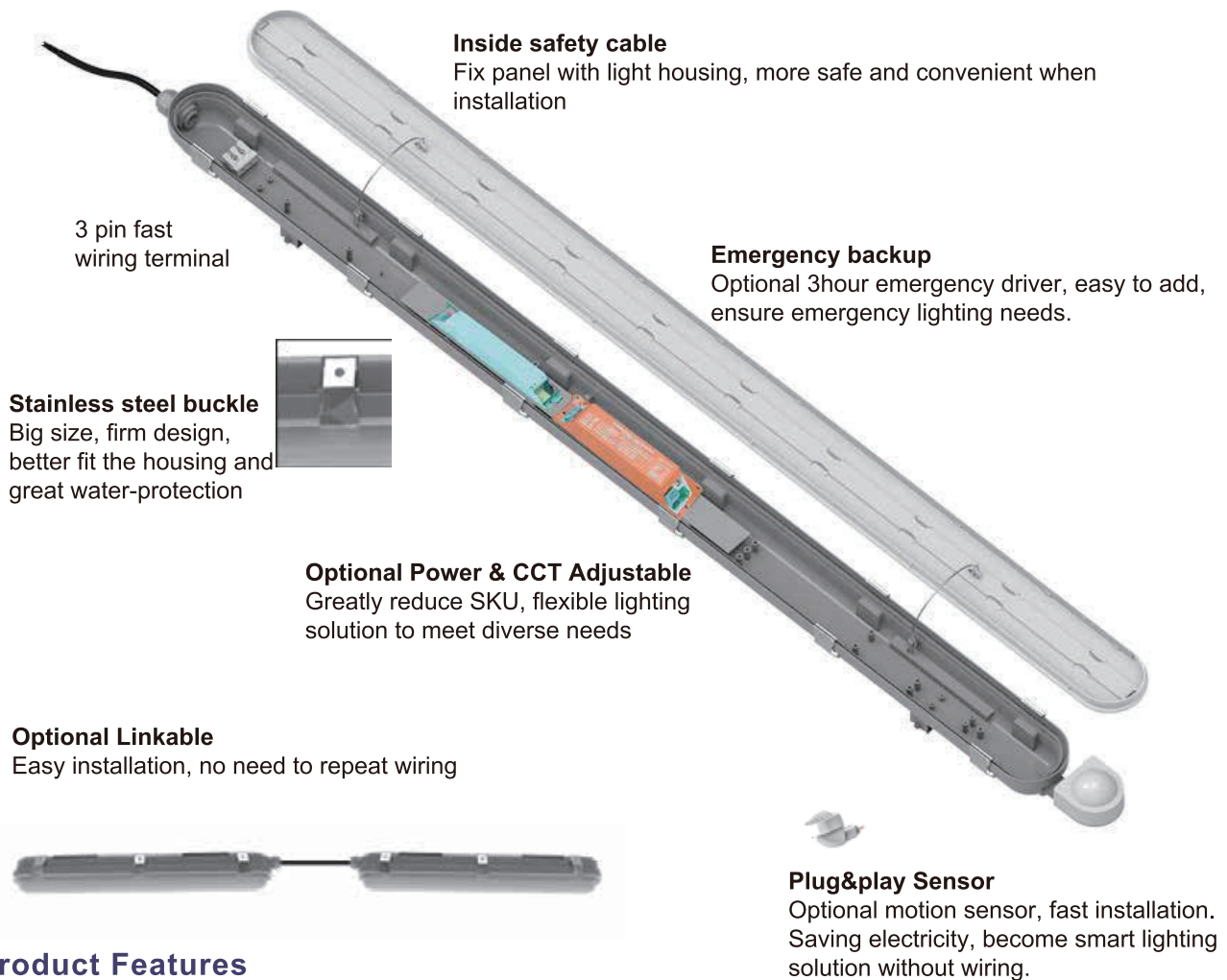
Install your luminaires today, Mount sensors or IOT controllers whenever you need



- Efficiency up to 170LPW, delivers up to 20000 lumens
- Buckle-open housing design, easy for installation & maintenance
- High transmittance poly carbonate (PC) lens. Other material available for option.
- Installation Kits: Surface mount, optional cable mount
- Optional plug&play sensor, emergency backup
- Optional Power&CCT Selectable, reduce SKUs
- IP65/66 & IK08, ideal for harsh place applications



## Design & Module



## Product Features

- Efficiency: Up to 170LPW Light Output Range: 2,000-2,0000 lumens
- Controls & Sensors: 0-10V, motion & daylight sensor options, ZigBee/Bluetooth, Wireless Daintree compliant options.
- Color Temp Field Adjustable, Adjust CCT between 3500K, 4000K, or 5000K
- **Power Field Adjustable**, Adjust power between 42W, 36W, 29W and 23W (4ft), 84W, 72W, 58W and 46W (8ft)
- Available in 2ft, 4ft, 5ft and 8ft length
- Emergency Battery backup option available
- Ingress Protection rating of IP65 for dust and water
- L70 @ 100,000 hours minimum @ 55°C

## Product Specifications

### LED & Optical Assembly

- CCT: 3500K, 4000K, 5000K
- CRI: 80 and 90 CRI options
- System Efficiency: Up to 130lm/W and 170lm/w optional
- Distribution/Lenses: diffused lens standard, clear lens optional

### Electrical

- Input Wattage: 20W, 28W, 36W, 50W, 80W, 100W, 120W
- Input Voltage: 100-277VAC/100-240VAC (347V available)
- System Power Factor (PF): >0.9
- Total Harmonic Distortion (THD): <20%
- Mounting: Standard Chain/Cable or Surface mount

### Ratings & Evaluations

- Operating Temperature: -20°C to +45°C (-22°F to 122°F)
- Location: IP66 Suitable for Wet Locations
- Safety: ETL/cETL CE, CB, SAAListed

### Controls

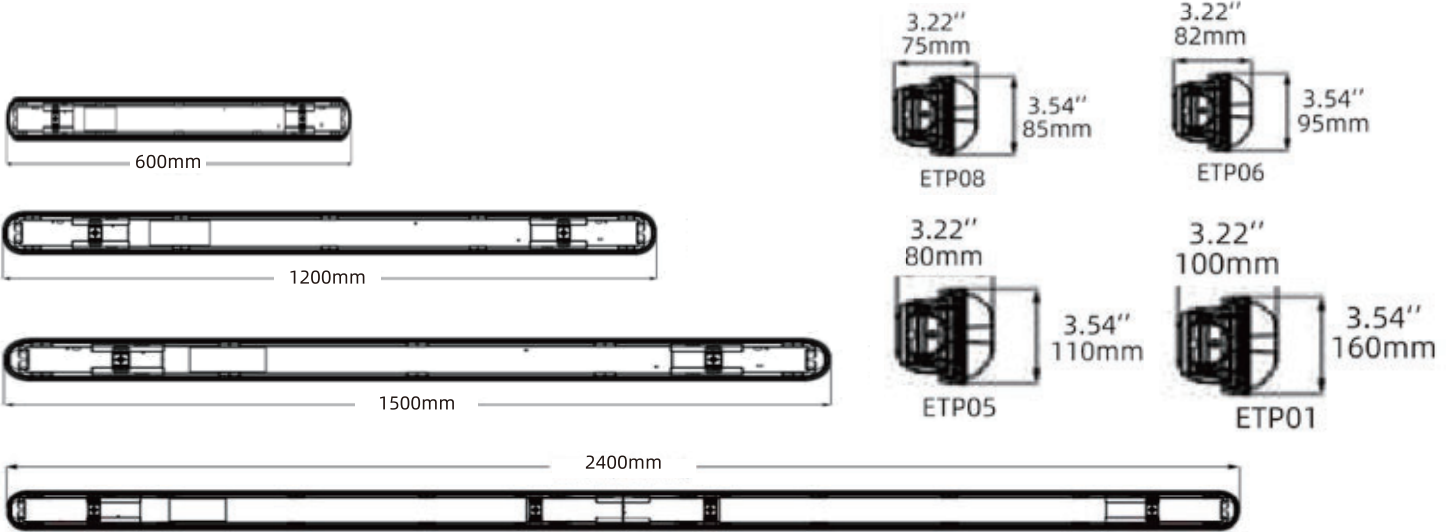
- Dimming: 0-10VDC, Dim down to 5%, std. Dim to off and Dali2 optional
- Wireless Networking & Sensing:
  - Sensor ready pluggable receptacle - SR
  - Motion Sensor on/off - MS01 Motion Sensor 3-step dimming-MS02 ZigBee Wireless- ZG01
  - Bluetooth Wireless- BT01 ZigBee with Occ Sensor - ZGMS02 Bluetooth with Occ Sensor - BTMS02
- Compatible with 3rd party smart network control system

# Energy and Performance Data

Fixture Length	Catalog No.	Typical Power	Standard Efficiency						Premium Efficiency (p)					
			5000K		4000K		3000K		5000K		4000K		3000K	
			LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens	LPW (lm/W)	Typical Delivered Lumens
2ft	ETP28	12	140	1680	137	1646	129	1546	170	2040	167	1999	162	1938
		15	136	2040	133	1999	125	1877	165	2475	162	2426	157	2351
		18	135	2430	132	2381	124	2236	162	2916	159	2858	154	2770
		20	133	2660	130	2607	122	2447	161	3220	158	3156	153	3059
4ft	ETP36	23	140	3220	137	3156	129	2962	170	3910	167	3832	162	3715
		29	136	3944	133	3865	125	3628	165	4785	162	4689	157	4546
		36	135	4860	132	4763	124	4471	162	5832	159	5715	154	5540
		42	133	5586	130	5474	122	5139	160	6720	157	6586	152	6384
8ft	ETP80	46	140	6440	137	6311	129	5925	170	7820	167	7664	162	7429
		58	136	7888	133	7730	125	7257	165	9570	162	9379	157	9092
		72	135	9720	132	9526	124	8942	162	11664	159	11431	154	11081
		84	133	11172	130	10949	122	10278	160	13440	157	13171	152	12768

ONE CATALOG NUMBER WITH 9 DIFFERENT OPTIONS

## ETP family:



## Ordering Information:

MODEL SELECTION		Typical order example: ETP364TP50SR								
PRODUCT ID	MAX WATTAGE	FIXTURE LENGTH	EFFICIENCY	CCT&CRI	OPTICS /LENS	VOLTAGE	DIMMING	SENSOR/ WIRELESS CONTROLS	MOUNTING	OPTIONS
ETP										
ETP=	20=20W	2T=2ft	(OMIT)=	30=3000K	(OMIT)=	(OMIT)=	D0 =	(OMIT)=None, std ;	(OMIT)=	AO=Field-Ad-
E Series	28=28W	4T=4ft	Standard	40= 4000K	Diffused	120-277V/10	0-10VDC	SR=Sensor pluggable	Standard	justable Light
Tri-Proof	36=36W	5T=5ft	Efficiency,	50= 5000K	Lens	0-240V, std	,Dim down to	receptact;	Chain/Cable	Output
Vapor Tight	50=50W	8T=8ft	std;	Default is	C =	H=	OFF;	MS1=Motion Sensor	or Surface	AC=Field-Ad-
	80=80W		P =Premium	5000K ,	Clear Lens	120-347V	DA =	on/off	mount, std	justable Color
	100=100W		Efficiency	Field-		HV=	Dali (No	MS2=Motion Sensor	(chain not	Temp
	120=120W			Adjustable		200-480V	External	3-step dimming	included)	EM=EM -
	Field-Ad-			CCT			Control Wiring,	ZG01=Zigbee Wireless		Emergency
	justable						std, contact	control BT01=Bluetooth		Backup
	Wattage						sales if	Wireless control		SPT=Surge
							needed)			protector 10kv

up to **7** years  
warranty

**130-170** lm/w



## **Ranch/Agriculture/Food-processing** **Smart LED Tri-proof Light**

360 Degree Lighting Solutions

**PC/PMMA/Glass housing**  
**UGR < 19 optional**

Beam angle 15°, 30°, 60°, 90° optional

- Cylinder design for aggressive environments
- IP69K can stand 1450psi high pressure wash-down
- Easily tool-free installation with buckle clips bracket
- Lamp angle can easily be 360 Degree adjusted
- Nonporous & sealed design ensures free of corrosion, dust, dirt, insects, moisture and bacteria.

PC :Impact / Fire Resistant, Chemical / UV Resistance

PMMA:Corrosion Resistance, Anti-ammonia & Anti-UV



ZigBee



Bluetooth



# Plug&Play Occupancy Sensor

ON/OFF and Automatic Dimming Functions

On-demand lighting for maximum energy saving

## 1. ON/OFF Function (stand-by period set at '0')



- 1 With sufficient ambient light, the light will not be switched on even if with motion signal
- 2 With insufficient ambient light, the sensor switches on the light when motion is detected.
- 3 After elapse of hold time, the sensor switches off the light when no motion is detected

## 2. 2-step dimming function (stand-by period set at "+∞")



- 1 If there is no motion detected, the light will be remained at a low light level all the time
- 2 When motion is detected, the sensor will switch on the light to 100% brightness
- 3 After elapse of hold time, the sensor dims the light at the present low light level if no motion is detected.

## Product Features

- Cylinder design for aggressive environments
- **IP69K** can stand 1450psi high pressure wash-down
- Easily **tool-free installation** with buckle clips bracket
- Lamp angle can easily be **360 Degree adjusted**
- Nonporous & sealed design ensures free of corrosion, dust, dirt, insects, moisture and bacteria.
- PC, PMMA material option.

PC :Impact / Fire Resistant, **Chemical / UV Resistance**

PMMA: **Corrosion Resistance, Anti-ammonia & Anti-UV**

- S304 / S316 Stainless steel Components option
- IK10 Protection, 94V0 materials



## Product Specifications

### LED & Optical Assembly

- CCT: 3000K, 4000K, 5000K
- CRI: 80 and 90 CRI options
- System Efficiency: Up to 130lm/W and **170lm/w**
- Distribution/Lenses: diffused lens standard, clear lens optional

### Ratings & Evaluations

- Operating Temperature: -30°C - +45°C (-22°F to 122°F).
- Location: IP69K Suitable for aggressive environments, IK10 Protection, 94V0 materials
- Safety: ETL/cETL CE SAA CB

### Electrical

- Input Wattage: 28W, 36W, 45W, 48W, 60W
- Input Voltage: 100-277VAC / 200-240VAC for EU (347V available)
- System Power Factor (PF): >0.9
- Mounting: Ceiling Mounted and Suspending option

### Controls

- Dimming: 0-10VDC Dim, std for US, Non-dimmable, std for EU. Dali2, MDX512 optional
- Wireless Networking & Sensing:
  - Motion Sensor on/off - **MS01**
  - Motion Sensor 3-step dimming-**MS02**
  - ZigBee Wireless- **ZG01**
  - Bluetooth Wireless- **BT01**

## Ordering Information:

MODEL SELECTION		Typical order example: VTP36-50-90LSR								
PRODUCT ID	MAX WATTAGE	FIXTURE LENGTH	EFFICIENCY	CCT&CRI	OPTICS /LENS	VOLTAGE	DIMMING	SENSOR/ WIRELESS CONTROLS	MOUNTING	OPTIONS
VTP										
VTP= Victory Series IP69K Tri-Proof Vapor Tight	28=28W 36=36W 45=45W 48=48W 60=60W	2T=2ft 4T=4ft 5T=8ft	(OMIT)= Standard Efficiency, std; P = Premium Efficiency	30=3000K 40= 4000K 50= 5000K Default is 5000K	(OMIT)= Diffused Lens C = Clear Lens	(OMIT) = 120-277V, std EU= 200-240v, std H= 120-347V HV=200-480	D0 = 0-10VDC ,Dim down to OFF; DA = Dali	(OMIT)=None, std ; MS1=Motion Sensor on/off MS2=Motion Sensor 3-step dimming ZG01=Zigbee control BT01=Bluetooth control	(OMIT)= Standard Chain/Cable or Surface mount, std (chain not included)	EM=EM - Emergency Backup SPT=Surge protector 10kv

up to **10** years warranty

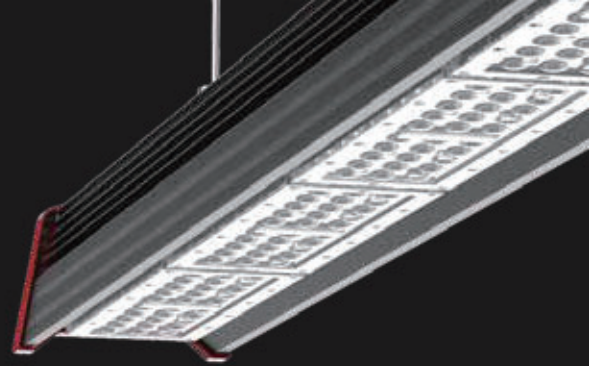
**140-200** lm/w



## Smart LED Rack HighBays **born for warehouse**

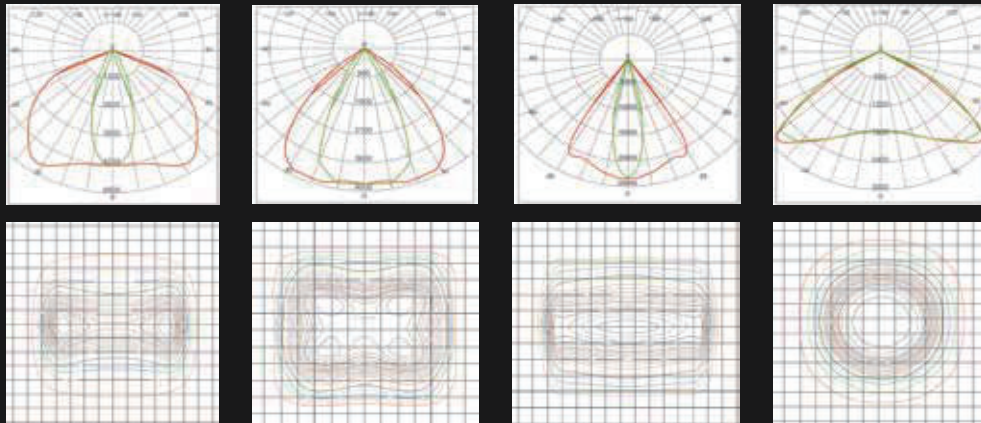
Aisle optics with perfectly rectangular lighting pattern,  
suitable for storage spaces,  
warehouses or retail with narrow spaces between the racks



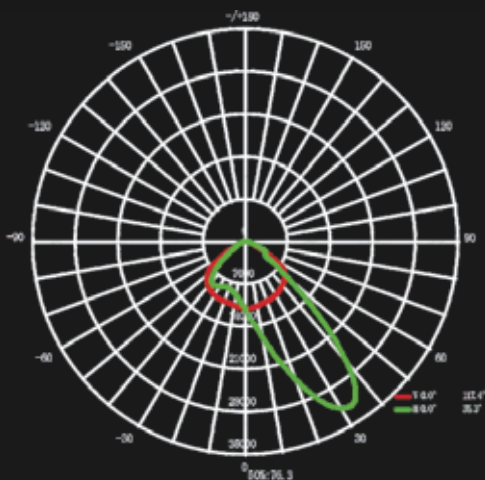


## Aisle optics, **born for warehouse**

Aisle optics with perfectly rectangular lighting pattern, suitable for storage spaces, warehouses or retail with narrow spaces between the racks



## Asymmetrical optics **for billboard lighting or wall washer**



# World's First Driver & Controls Pluggable

world's first patented designed module type plug & play sensor and sensor embedded Luminaire. User can easily scale from an ordinary fixture to a smart light fixture in 3 seconds.



3 seconds easily plug-in



Smart LED Linear High Bay

## Plug-in driver and controls receptacle

Compatible with 3rd party smart control system



## World's First Patented Pluggable Sensor

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



- 3 seconds easy plug-in scalability
- No re-circuiting or new control wiring
- Zigbee/Bluetooth mesh network smart control
- Controls are easy to upgrade, install and maintain



Plug and Play



Zigbee mesh network control



Bluetooth mesh network control



App control



On/off control



Daylight sensor



Remote control setting



Motion sensor

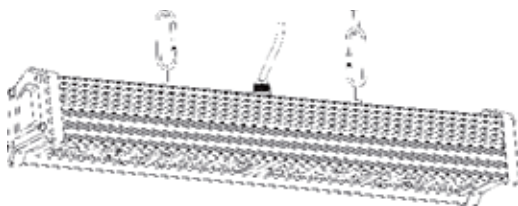


Compatible with 3rd party smart network control system (Casambi, Nedap, Legrand...)

# Modular design for flood light



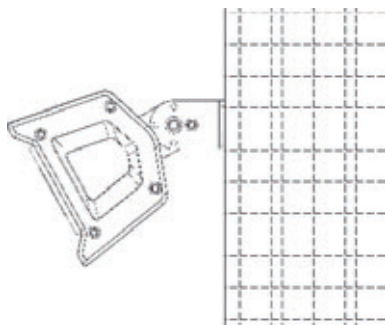
## Multiple Installation Methods



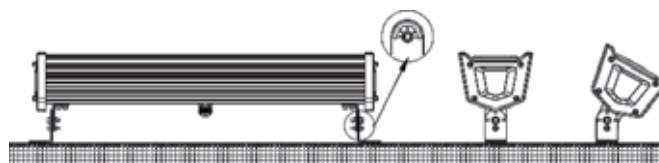
Pendant mount



Ceiling mount



Wall mount



Billboard Lighting or Wall washer

## Parameter

Model NO	Power (W)	Lumens		AC Input	220-240V 100-270V 50/60Hz
		140lm/w	170lm/w	Light Source	2835 SDCM<5(SDCM<3 option)
LHB01-50	50	7000	8500	CRI	70/80/90/95
LHB01-100	100	14000	17000	CCT	30=3000K 40=4000K 50=5000K 65=6500K
LHB01-150	150	21000	25500	Light Efficiency	140lm/w, 170lm/w
LHB01-200	200	28000	34000	IP&IK Rating	IP65 & IK08/IP42
LHB01-240	240	33000	40800	Warranty	5 years
LHB01-300	300	42000	51000	Function	Dimmable, Pluggable Motion sensor, Emergency
LHB01-400	400	56000	68000		
Notes:					
<ul style="list-style-type: none"> <li>• Above lumens based on 5000K Ra:70</li> <li>• Luminous flux tolerance +-5%, power tolerance+-5%</li> </ul>					

## Applications



Tunnels



Billboards



Warehouses

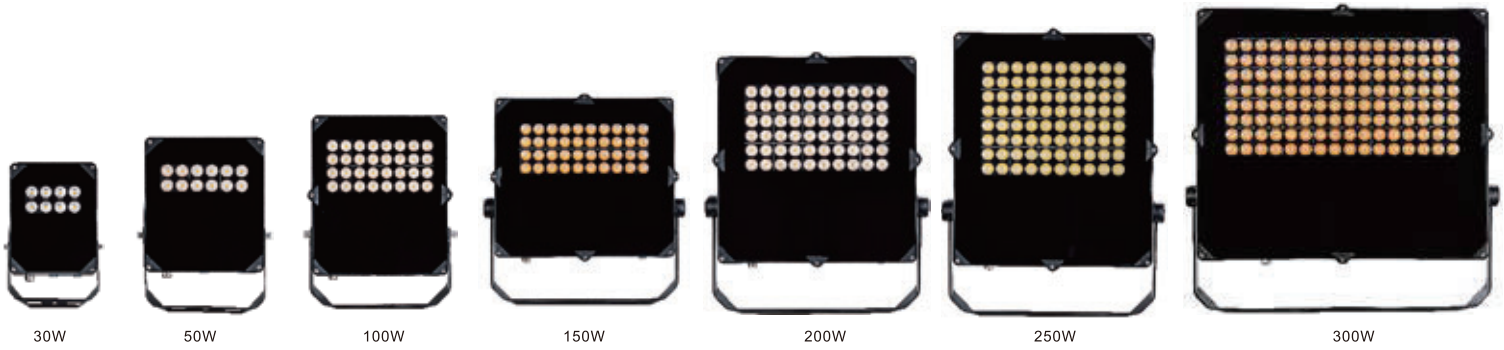
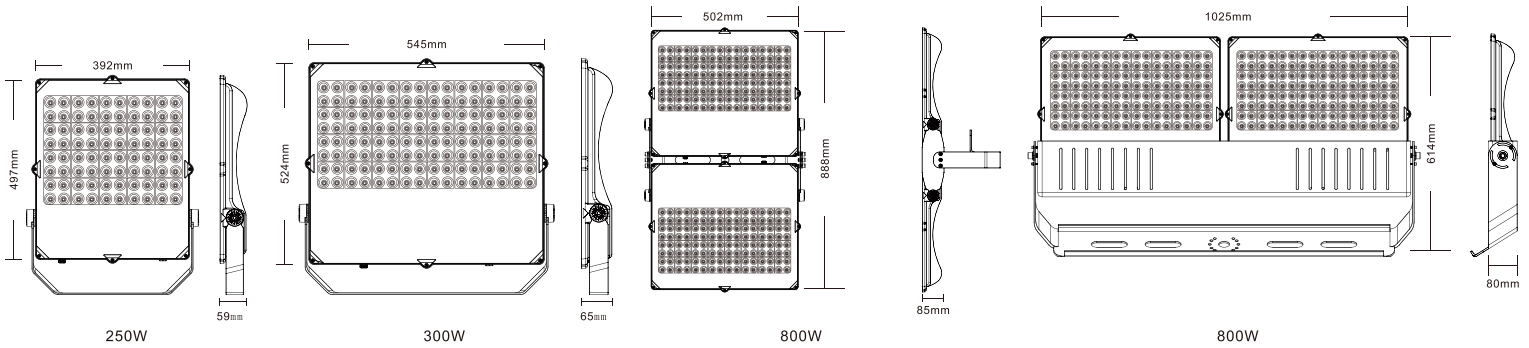
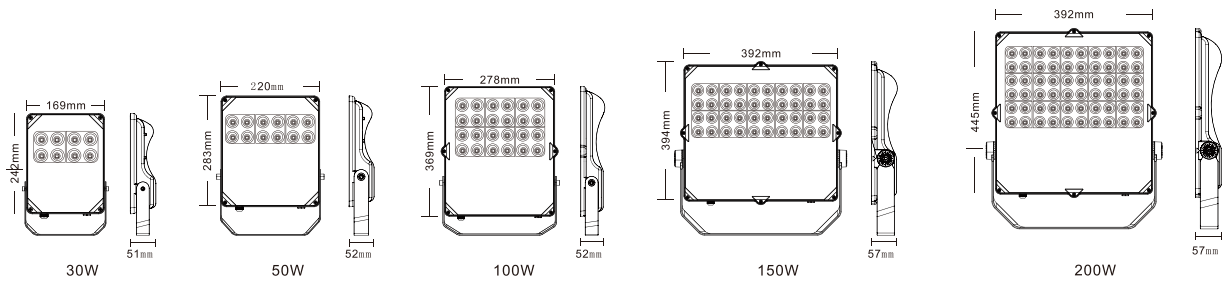


Architectural lighting etc



Sports halls

# LED Flood Light



Mode	A-FL3-30	A-FL3-50	A-FL3-100	A-FL3-150	A-FL3-200	A-FL3-250	A-FL3-300
Size(mm)	242x175x51	288x223x52	343x274x56	395x390x59	446x390x58	497x390x61	503x544x66
Input Voltage	AC90-270V 50/60Hz PF>0.95 Ambient temp.(°C)-20°to+50°						
Luminous Flux	140LPW,170LPW,200LPW Optional						
CCT	3000K/4000K/6500K						
Light Source	5050x8pcs	5050x12pcs	5050x32pcs	5050x40pcs	5050x60pcs	5050x80pcs	5050x128pcs
CRI	>Ra80						
Lumen Output as per LM79(lumens)	3900LM	4500LM	13000LM	19500LM	26000LM	32500LM	39000LM
Beam Angle	15 / 24 / 36 / 48 / 60 / 90°						
Dimmable	0-10V/DALI Optional						
IP code	IP66						
Warranty period	5-7-10 years warranty						

World's First



# Driver & Controls Pluggable



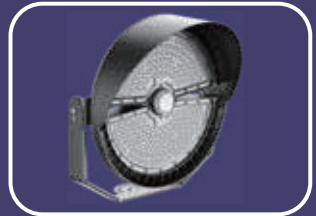
Driver & Sensor Pluggable  
Smart Linear Highbay



Ranch/Agriculture Highbay  
IP69K, Corrosion Resistance



High Temperature  
Up to 80 °C



Sports Light  
High Mast Light



Power Adjustable  
Economical



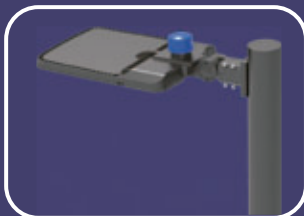
Italy Design  
Dust-Free



World's First  
Driver Pluggable



Up to 220 LPW  
Glass Lens with 60°, 90°, 120°



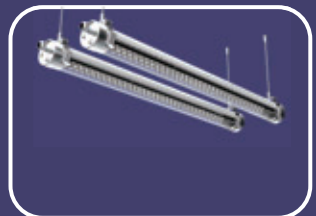
Power Field-adjustable  
T2, T3, T4, T5 Optics



IP65 Aisle Optics  
Smart Linear



Sensor Pluggable Tri-proof  
Power & CCT Adjustable



Ranch/Agriculture Tri-proof  
IP69K, Corrosion Resistance



**Contact Information:**