AMTEK

10 years warranty

170 lm/w

SMT Series

Extensible Smart LED Highbay

Ip67 sleek structure suitable for food processing or dusty area
Upgrade to Smart Lighting in Seconds With Twist-lock Smart
Controller & Sensor

ZigBee WiFi Plug & Play

cETLus Intertek | DLC PREMIUM | CE | RoHS | SAA

Plug & Play Smart Design

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

AMTEK

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.

AMTEK

Plug & Play
Plug and play

Z Zigbee mesh network control

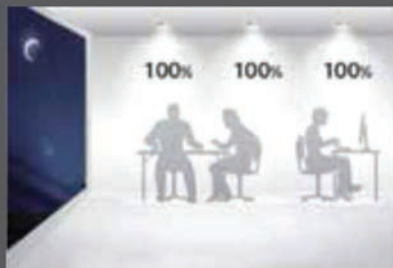App control

On/off control

Daylight sensor

Remote control setting
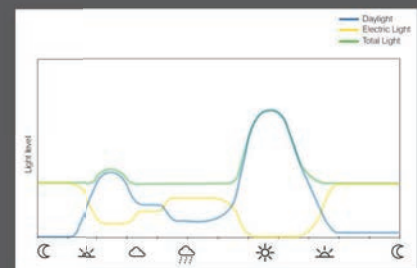
10-15M High altitude

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.

100% 100% 100%

Night:Same brightness for all area

20% 50% 80%

Day : Lower brightness on the windows side

Daylight
Electric Light
Total Light

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 yout space, **why** pay for uniform lighting?

Yes-We need to pay for light

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

AMTEK

CAN BE USED TO COMPLY WITH

TITLE 24 COMPLIANT

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).

AMTEK GROUP, Suite #200, 550 Sherbrooke West, Montréal, Québec, Canada, H3A 1B9 | Tel: +1(514) 819-1653 | www.amtekgroup.com

ANSI C136.41

NEMA 7 Pin Dimming Receptacle

Compatible With 3rd Party Smart Control System

AMTEK

Built-in 347V/480V driver

ETL,cETL,DLC Premium Certificate,Compatible Smart Sensors

IP67 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

AMTEK

Smooth Body
without screws exposed

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

AMTEK GROUP, Suite #200, 550 Sherbrooke West, Montréal, Québec, Canada, H3A 1B9 | Tel: +1(514) 819-1653 | www.amtekgroup.com

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.

Energy costs are flexible, not fixed. Change your mindset

AMTEK

World's First **Extensible Smart LED Highbay**					
IP67, Suitable for Food Processing or Dusty Area					
Model Number		SMT 100	SMT 120	SMT 150	SMT 190
Input Wattage		100W	120W	150W	190W
Standard	Efficiency (+/- 5%)	**Up to 140lm/W**			
	Delivered Lumens (+/- 5%)	14000lm	16800lm	21000lm	25200lm
Smart+	Efficiency (+/- 5%)	**Up to 170lm/W**			
	Delivered Lumens (+/- 5%)	17000lm	20400lm	25000lm	32000lm
Input Voltage		100-240VAC/100-277VAC/ 249-528 VAC, 50-60HZ			
CRI		73+ (80+ , 90+optional)			
CCT		5000K (3000K, 4000K available)			
Beam Angle		120° (60° and 90° optional)			
IP Rating		IP65 Standard (IP67 available)			
Warranty		5 Years standard (Can be extended to 10 Years)			
Certifications		ETL, cETL, DLC Premium, FCC, SAA, CE, RoHS			
Light body color		Black, standard(Silver, White available)			
Control Options	ZG= Zigbee Control	DA=DALI Control	DM=1-10V Dimming	DS= Daylight Sensor	MS= Motion Sensor

Accessory Options

Motion Sensor   Daylight Sensor   PC Reflector   Cable With Plug   Plug   Steel Chain   Cable Connector   Carabiner
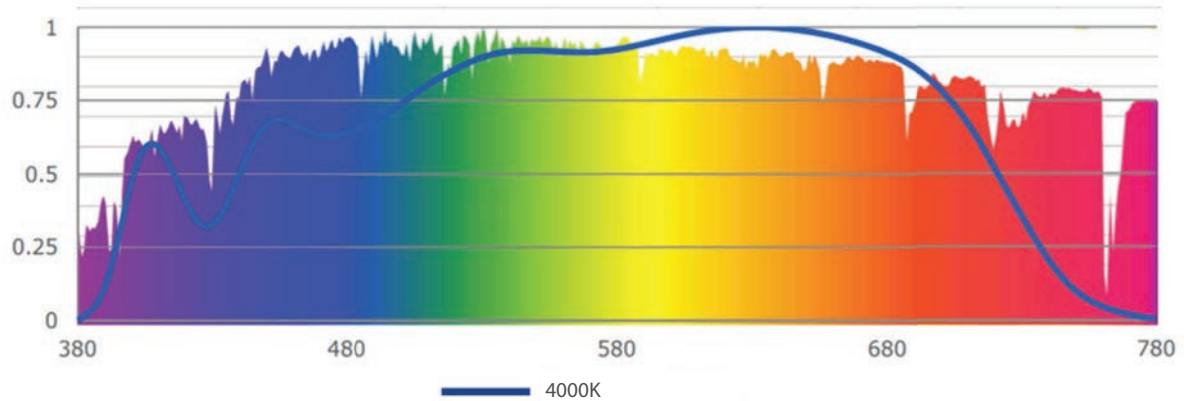
Ordering Guide

Family	Watts	Beam Angle	CCT	Finish	Voltage	Mount	Options
SMT							
SMART LED HIGH BAY	100=100W 120=120W 150=150W 190=190W	60D=60° 90D=90° 120D=120°, FR=Frosted lens CO=Custom Optical	30=3000K 40=4000K 50=5000K	BK=Black, std SV=Silver WH=White CC=Custom Color	(OMIT)= Universal 120-277V, std HV=249-528VAC	(OMIT)=Loop, std BK=Bracket BNPT=Bracket with 3/4" NPT Converter	(OMIT)=None, std MS=Motion Sensor DS=Daylight Seneor ZG=Zigbee Control DM=1-10V Dimming DA=Dali Control

Healthy Light LED High Bay

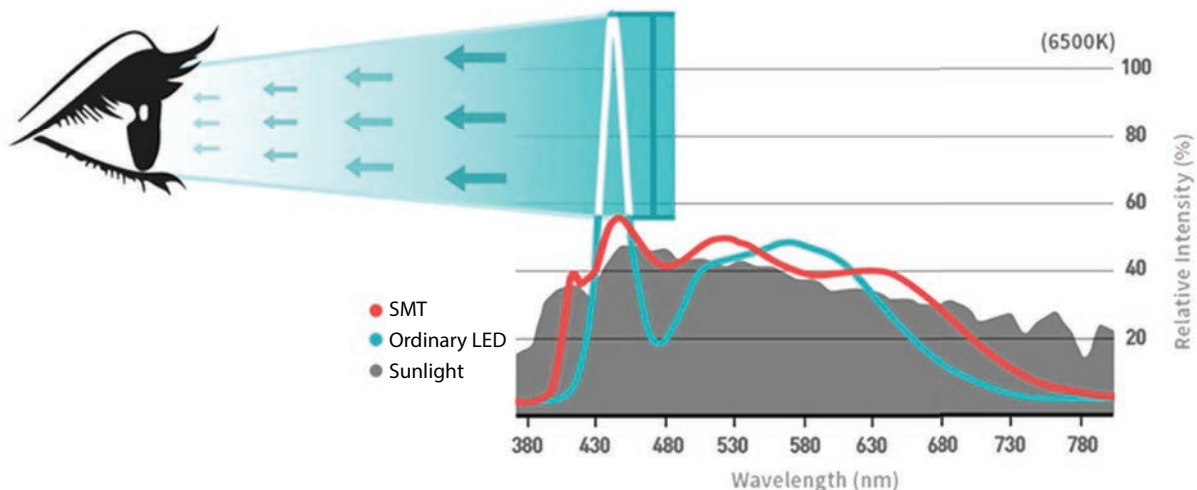Special sunlight engine components makes the SMT blue light hazard radiance rating up to the exemption level RG0

AMTEK

Blue light hazard radiance rating: RG0

4000K

SMT reduces the low wavelenght 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.

Provides Comfort to Your Eyes

- SMT
- Ordinary LED
- Sunlight

(6500K)

Relative Intensity (%)

Wavelength (nm)

Smooth Body - Dustproof - Waterproof
Sensor Plugable Intelligent Design, Easy to Upgrade

AMTEK

| 5–10 years warranty | 170 lm/w | IP65 | Plug & Play |

Model Number		USHB60	USHB100	USHB120	USHB150	USHB200
Input Wattage		60W	100W	120W	150W	200W
Standard	Delivered Lumens (+/- 5%)	8500lm	14000lm	16800lm	21000lm	27500lm
Premium	Delivered Lumens (+/- 5%)	10500lm	17500lm	21000lm	25300lm	33900lm

EHB Series
High Surge Protection LED High Bay

Sensor Plugable design, Easy to upgrade in the future
10KV High Surge prevention

| 5–10 years warranty | 180 lm/w | IP65 | Plug & Play |

Model Number		EHB75	EHB100	EHB120	EHB145	EHB180
Input Wattage		75W	100W	120W	145W	180W
Standard	Delivered Lumens (+/- 5%)	13125lm	17500lm	21000lm	25375lm	31500lm
Economic	Delivered Lumens (+/- 5%)	10875lm	14500lm	17400lm	21025lm	26100lm

HT Series
High Temperature High Bay

Valid over the entire temperature range
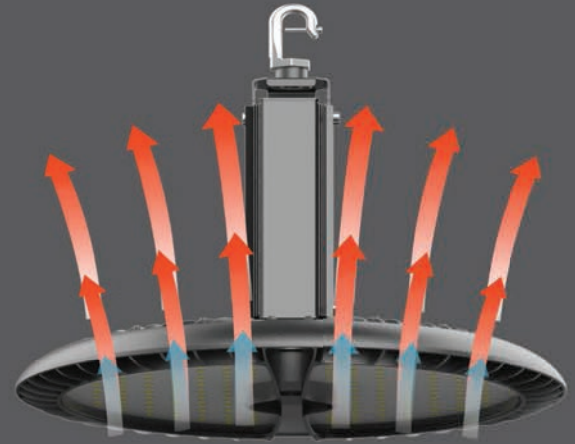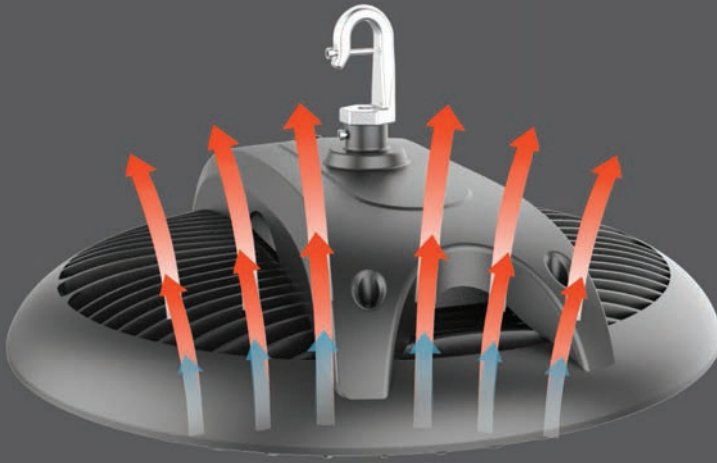From 40°F to +149°F (-40℃ to +65℃)

AMTEK

| 5-10 years warranty | 180 lm/w | IP65 | Plug & Play | 149oF |

	Model Number	HTWHT100	HTWHT150	HTWHT200	HTWHT300
	Input Wattage	100W	150W	200W	300W
Standard	Delivered Lumens (+/- 5%)	18000lm	27000lm	36000lm	54000lm
Economic	Delivered Lumens (+/- 5%)	15000lm	22500lm	30000lm	45000lm

High Power LED High Bay

From 200W to 650W
Luminous flux up to 110K lum

| 5-10 years warranty | 180 lm/w | IP65 | Plug & Play |

	Model Number	HTWHP200	HTWHP240	HTWHP300	HTWHP400	HTWHP500	HTWHP650
	Input Wattage	200W	240W	300W	400W	500W	650W
Standard	Delivered Lumens (+/- 5%)	35000lm	42000lm	51000lm	70000lm	87500lm	110500lm
Economic	Delivered Lumens (+/- 5%)	29000lm	34800lm	42000lm	58000lm	72500lm	91000lm