On-demand Lighting
First Plug&Play Smart LED HighBay
Integrated Wireless Mesh Network, Motion Sensor, Daylight Sensor
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 scale from a standard fixture to a smart light fixture in 3 seconds.

**3 Seconds Easily Plug-in**  
**Wireless Mesh Network Control**  
**Smart LED High Bay Light**

**Compared with the traditional high bay**

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

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

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

CAN BE USED TO COMPLY WITH

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

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.

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).
Plug & Play Motion Sensor
Automatic Dimming---On-demand lighting

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

Night: Same brightness for all area
Day: Lower brightness on the windows side
Automatic dimming -- On-demand lighting

Occupancy Sensors & Code Compliance---According to IECC 2015 Code Provision C405.2.1.1, 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.
Various Optics
Placing light where needed

Aisle optic
Suitable for storage spaces, warehouses or retail with narrow spaces between the racks.

Wide, Medium, Narrow Optics and Dome Lens options offer versatility
Snap-on design, lens can be replaced quickly and easily

Different applications, different choices

High Bay with PC lens
High Bay with aluminum reflector
High Bay with prismatic reflector and drop lens
Field installable **Uplight Kit**
Eliminates dark ceilings and corners

Less screws,
Easy to exchange and assemble

**SKD,CKD Available**
Snap-on design,
Quick changeable lens

**Various Mounting Options** for easy installation

- Hook Mount
- Adjustable Bracket
- Steel Rope Pandent mount
- Indirect Mount
- NPT Pipe Mount
- Pole Mount as Post Top Light
Special Models

Dolphin Series
Smooth LED High bay Luminaire
Ip67 sleek structure suitable for food processing or dusty area

Cactus Series
High Temperature High Bay
Valid over the entire temperature range from -40 oF to 149 oF (-40°C to +65°C)

Please contact sales representative for the special models
# On-Demand Lighting - World's First Plug & Play Smart LED High Bay Light

## Model Number

<table>
<thead>
<tr>
<th>Input Wattage</th>
<th>75W</th>
<th>100W</th>
<th>120W</th>
<th>145W</th>
<th>190W</th>
<th>240W</th>
<th>300W</th>
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</thead>
<tbody>
<tr>
<td>Efficiency (+/-5%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Up to 170lm/W</td>
<td></td>
</tr>
<tr>
<td>Delivered Lumens (+/-5%)</td>
<td>12750lm</td>
<td>17000lm</td>
<td>20400lm</td>
<td>24650lm</td>
<td>32000lm</td>
<td>40800lm</td>
<td>50000lm</td>
</tr>
<tr>
<td>Efficiency (+/-5%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Up to 145lm/W</td>
<td></td>
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<tr>
<td>Delivered Lumens (+/-5%)</td>
<td>10800lm</td>
<td>14500lm</td>
<td>17000lm</td>
<td>21000lm</td>
<td>27500lm</td>
<td>34500lm</td>
<td>43500lm</td>
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</table>

## Input Voltage

100-240VAC/120-277VAC/249-528VAC, 50/60Hz

## CRI

73+(80+ optional)

## CCT

5000K (3000K, 4000K available)

## Beam Angle

60°, 90°, 120°, Aisle optic 50°100°, Dome Lens 60°, 90°, 120° Custom optical

## Power Factor

≥0.95

## IP Rating

IP65

## Working Temp

-40-122°F (-40-50°C)

## Warranty

5 Years standard (can be extended to 10 Years)

## Certifications

ETL, cETL, DLC Premium, FCC, SAA, CE, RoHS, NSF

## Control Options

DALI, ZigBee, Bluetooth, Daylight Sensor, Motion Sensor, 1-10V Dimming

## Accessory Options

Motion Sensor, Daylight Sensor, PC Reflector, Cable With Plug, Plug, Steel Chain, Cable Connector, 1/2"NPT to 3/4" NPT Converter

## Ordering Guide

<table>
<thead>
<tr>
<th>Family</th>
<th>Watts</th>
<th>Beam Angle</th>
<th>CCT</th>
<th>Finish</th>
<th>Voltage</th>
<th>Mount</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBF</td>
<td>75=75W</td>
<td>60D=60°</td>
<td>BK=Black, std</td>
<td>(OMIT)=Hook(1/2&quot;NPT), std</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>100=100W</td>
<td>90D=90°</td>
<td>SV=Silver</td>
<td>(OMIT)=Bracket</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>120-120W</td>
<td>120D=120°</td>
<td>WH=White</td>
<td>SR=Steel Rope</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>145=145W</td>
<td>5010D=50°100°</td>
<td>CC=Custom Color</td>
<td>NC=3/4&quot; NPT Converter</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>190=190W</td>
<td>DM=Dome lens</td>
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<td></td>
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<tr>
<td></td>
<td>240=240W</td>
<td>CO=Custom Optical</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>300=300W</td>
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</tbody>
</table>

## Contact Information:

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