# LHBE SELECTABLE HIGH BAY

LED Linear High Bay with Selectable CCT and Lumen

## Introduction

- The LHBE Linear High Bay is a super compact design using die-cast housing, with the clean and integral structure. It makes it a lot of shipping cost and be easier to install. The whole family has two different sizes.
- It delivers up to 170 lumens per watt for Efficacy. The Tool-less optics lens design allows for flexible selection of general optics or Aisle optics.
- LHBE Series is standard with a 0-10V sensor port, for optional quick plug and play install sensor. The fixture is DLC LLLC listed also compatible with NLC system. Emergency battery backup is available.
- With standard, 10KV surge protection, it can run steadily under the poor power condition.
- It is widely used for warehouse and storage, industrial facilities sports facilities, gyms and etc.



210WS
160WS
120WS
Wattage Selectable



320WS
Wattage Selectable



420WS
Wattage Selectable

4000K 5000K

CCT SELECTABLE

## Product Specifications

### Construction:

- LHBE linear high bay features a die-cast aluminum housing. Powder coat corrosion resistant finish, with High Transmittance polycarbonate lens.

### Electrical:

- 0-10V dimmable driver, which can dim from 100% down to off.
- Input voltage 120-277V/277-480V for US market, 120-347V for Canada market, and 50/60Hz.
- Designed to withstand up to L/N-PE:10kV,L-N:6kV surge (120-277V/120-347V/277-480V).

### Optics:

- LED chips support Selectable CCT 4000K or 5000K (Default setting), CRI>80
- High quality polycarbonate lens protects LEDs. UGR <28

### Finish:

- White color is Standard.

### Mounting:

- The fixture Comes standard with aircraft cable suspension mount. The surface mount kit and pendant & surface installation box are available.

### Ambient Temperature:

- -13° F (-25° C) to 122° F (50° C)

### Compliances:

- cULus listed for damp locations.
- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org.

### Warranty:

- 5-year limited warranty.

## Ordering Guide

**EXAMPLE:** XLHBE320WSCSDLVSEG

| Brand<br>X | Product Name<br>LHBE | Wattage<br>XXXWS | CCT<br>XXX | Input Voltage<br>AA | Sensor<br>X | Emergency Battery<br>Y | Efficacy<br>Z |
|---|---|---|---|---|---|---|---|
| **LBS** | LHBE | 420WS=420W/280W/210W/120W<br>320WS=320W/215W/160W/95W<br>210WS=210W/140W/105W/60W<br>160WS=160W/110W/80W/50W<br>120WS=120W/80W/60W/35W<br>Note: WS=Wattage Selectable | 40K=4000K<br>50K=5000K<br>CSD=4000K/5000K<br>Note: CSD=CCT Selectable | UV=120-277Vac<br>LV=120-347Vac<br>HV=277-480Vac | S=Sensor<br>BS=Networking Wireless Control Version Sensor<br>Blank=without Sensor | Blank=without emergency<br>E=with emergency | G=General Light Efficacy<br>H=High Light Efficacy |

# Performance Data

Lumen values are based on120V AC input product configuration, contact for performance data on any configurations not shown here.

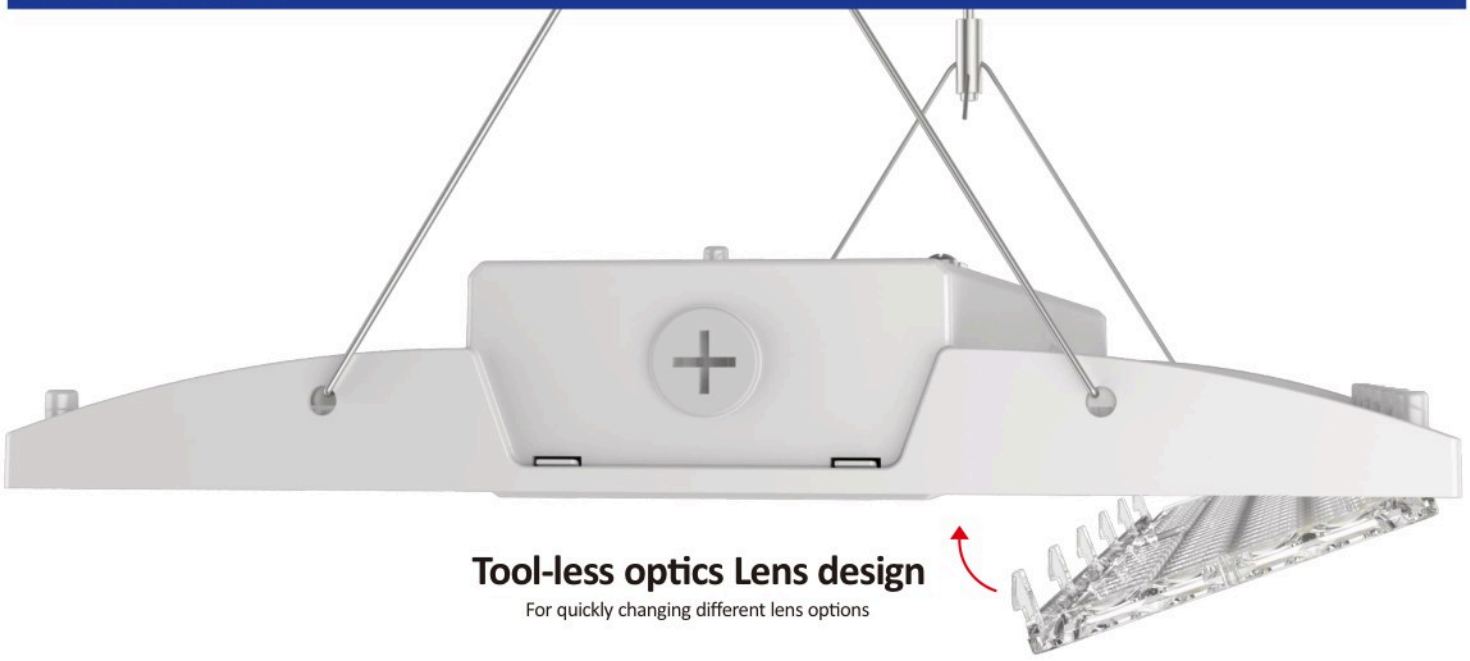
| Model Number | Lumen Level | Wattage Selectable | Nominal CCT | CCT Selectable | Lumens | Watts | LPW | CRI |
|---|---|---|---|---|---|---|---|---|
| XLHBE420WSCSDAAXYG | 1 | Yes | 4000 | Yes | 69,350 | 420 | 166 | >80 |
| | | | 5000 | | 67,200 | 420 | 160 | |
| | 2 | | 4000 | | 49,000 | 280 | 175 | |
| | | | 5000 | | 47,500 | 280 | 170 | |
| | 3 | | 4000 | | 38,150 | 210 | 182 | |
| | | | 5000 | | 37,000 | 210 | 176 | |
| | 4 | | 4000 | | 23,000 | 120 | 192 | |
| | | | 5000 | | 22,300 | 120 | 186 | |
| XLHBE320WSCSDAAXYH | 1 | Yes | 4000 | Yes | 55,650 | 320 | 174 | >80 |
| | | | 5000 | | 54,400 | 320 | 170 | |
| | 2 | | 4000 | | 39,250 | 215 | 183 | |
| | | | 5000 | | 38,400 | 215 | 179 | |
| | 3 | | 4000 | | 30,600 | 160 | 192 | |
| | | | 5000 | | 29,950 | 160 | 187 | |
| | 4 | | 4000 | | 19,350 | 95 | 204 | |
| | | | 5000 | | 18,900 | 95 | 199 | |
| XLHBE320WSCSDAAXYG | 1 | Yes | 4000 | Yes | 52,700 | 320 | 165 | >80 |
| | | | 5000 | | 51,200 | 320 | 160 | |
| | 2 | | 4000 | | 37,200 | 215 | 173 | |
| | | | 5000 | | 36,150 | 215 | 168 | |
| | 3 | | 4000 | | 29,000 | 160 | 182 | |
| | | | 5000 | | 28,200 | 160 | 176 | |
| | 4 | | 4000 | | 18,150 | 95 | 192 | |
| | | | 5000 | | 17,650 | 95 | 186 | |
| XLHBE210WSCSDAAXYH | 1 | Yes | 4000 | Yes | 37,100 | 210 | 177 | >80 |
| | | | 5000 | | 36,120 | 210 | 172 | |
| | 2 | | 4000 | | 25,700 | 140 | 184 | |
| | | | 5000 | | 25,050 | 140 | 179 | |
| | 3 | | 4000 | | 20,050 | 105 | 191 | |
| | | | 5000 | | 19,550 | 105 | 186 | |
| | 4 | | 4000 | | 11,800 | 60 | 196 | |
| | | | 5000 | | 11,500 | 60 | 191 | |
| XLHBE210WSCSDAAXYG | 1 | Yes | 4000 | Yes | 34,350 | 210 | 164 | >80 |
| | | | 5000 | | 33,600 | 210 | 160 | |
| | 2 | | 4000 | | 24,250 | 140 | 174 | |
| | | | 5000 | | 23,750 | 140 | 170 | |
| | 3 | | 4000 | | 18,900 | 105 | 180 | |
| | | | 5000 | | 18,500 | 105 | 176 | |
| | 4 | | 4000 | | 11,300 | 60 | 188 | |
| | | | 5000 | | 11,050 | 60 | 184 | |
| XLHBE160WSCSDAAXYG | 1 | Yes | 4000 | Yes | 26,350 | 160 | 165 | >80 |
| | | | 5000 | | 25,600 | 160 | 160 | |
| | 2 | | 4000 | | 19,000 | 110 | 173 | |
| | | | 5000 | | 18,500 | 110 | 168 | |
| | 3 | | 4000 | | 14,500 | 80 | 181 | |
| | | | 5000 | | 14,100 | 80 | 176 | |
| | 4 | | 4000 | | 9,400 | 50 | 188 | |
| | | | 5000 | | 9,150 | 50 | 183 | |
| XLHBE120WSCSDAAXYG | 1 | Yes | 4000 | Yes | 19,850 | 120 | 166 | >80 |
| | | | 5000 | | 19,440 | 120 | 162 | |
| | 2 | | 4000 | | 13,750 | 80 | 172 | |
| | | | 5000 | | 13,500 | 80 | 169 | |
| | 3 | | 4000 | | 10,700 | 60 | 179 | |
| | | | 5000 | | 10,500 | 60 | 175 | |
| | 4 | | 4000 | | 6,400 | 35 | 182 | |
| | | | 5000 | | 6,250 | 35 | 179 | |

# Performance Data

Lumen values are based on120V AC input product configuration, contact for performance data on any configurations not shown here.

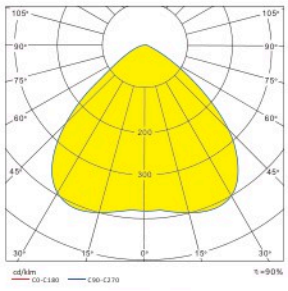
| Model Number | Lumen Level | Wattage Selectable | Nominal CCT | CCT Selectable | Lumens | Watts | LPW | CRI |
|---|---|---|---|---|---|---|---|---|
| XLHBE420WSXXXAAXYG | 1 | Yes | 4000 | No | 67,200 | 420 | 160 | >80 |
| | | | 5000 | | 68,040 | 420 | 162 | |
| | 2 | | 4000 | | 46,600 | 280 | 167 | |
| | | | 5000 | | 47,200 | 280 | 169 | |
| | 3 | | 4000 | | 36,650 | 210 | 175 | |
| | | | 5000 | | 37,100 | 210 | 177 | |
| | 4 | | 4000 | | 21,900 | 120 | 183 | |
| | | | 5000 | | 22,200 | 120 | 185 | |
| XLHBE320WSXXXAAXYH | 1 | Yes | 4000 | No | 54,400 | 320 | 170 | >80 |
| | | | 5000 | | 54,400 | 320 | 170 | |
| | 2 | | 4000 | | 38,050 | 215 | 177 | |
| | | | 5000 | | 38,050 | 215 | 177 | |
| | 3 | | 4000 | | 29,400 | 160 | 184 | |
| | | | 5000 | | 29,400 | 160 | 184 | |
| | 4 | | 4000 | | 18,100 | 95 | 191 | |
| | | | 5000 | | 18,100 | 95 | 191 | |
| XLHBE320WSXXXAAXYG | 1 | Yes | 4000 | No | 50,560 | 320 | 158 | >80 |
| | | | 5000 | | 51,200 | 320 | 160 | |
| | 2 | | 4000 | | 35,700 | 215 | 166 | |
| | | | 5000 | | 36,150 | 215 | 168 | |
| | 3 | | 4000 | | 27,850 | 160 | 174 | |
| | | | 5000 | | 28,200 | 160 | 176 | |
| | 4 | | 4000 | | 18,050 | 95 | 190 | |
| | | | 5000 | | 18,250 | 95 | 192 | |
| XLHBE210WSXXXAAXYH | 1 | Yes | 4000 | No | 35,700 | 210 | 170 | >80 |
| | | | 5000 | | 35,700 | 210 | 170 | |
| | 2 | | 4000 | | 25,250 | 140 | 181 | |
| | | | 5000 | | 25,250 | 140 | 181 | |
| | 3 | | 4000 | | 19,500 | 105 | 186 | |
| | | | 5000 | | 19,500 | 105 | 186 | |
| | 4 | | 4000 | | 11,450 | 60 | 191 | |
| | | | 5000 | | 11,450 | 60 | 191 | |
| XLHBE210WSXXXAAXYG | 1 | Yes | 4000 | No | 33,600 | 210 | 160 | >80 |
| | | | 5000 | | 34,020 | 210 | 162 | |
| | 2 | | 4000 | | 23,550 | 140 | 168 | |
| | | | 5000 | | 23,850 | 140 | 171 | |
| | 3 | | 4000 | | 18,350 | 105 | 175 | |
| | | | 5000 | | 18,550 | 105 | 177 | |
| | 4 | | 4000 | | 10,800 | 60 | 180 | |
| | | | 5000 | | 10,900 | 60 | 182 | |
| XLHBE160WSXXXAAXYG | 1 | Yes | 4000 | No | 25,600 | 160 | 160 | >80 |
| | | | 5000 | | 25,920 | 160 | 162 | |
| | 2 | | 4000 | | 18,500 | 110 | 168 | |
| | | | 5000 | | 18,750 | 110 | 171 | |
| | 3 | | 4000 | | 14,100 | 80 | 176 | |
| | | | 5000 | | 14,300 | 80 | 179 | |
| | 4 | | 4000 | | 9,150 | 50 | 183 | |
| | | | 5000 | | 9,250 | 50 | 185 | |
| XLHBE120WSXXXAAXYG | 1 | Yes | 4000 | No | 19,440 | 120 | 162 | >80 |
| | | | 5000 | | 19,800 | 120 | 165 | |
| | 2 | | 4000 | | 13,350 | 80 | 167 | |
| | | | 5000 | | 13,600 | 80 | 170 | |
| | 3 | | 4000 | | 10,500 | 60 | 175 | |
| | | | 5000 | | 10,700 | 60 | 179 | |
| | 4 | | 4000 | | 6,300 | 35 | 180 | |
| | | | 5000 | | 6,450 | 35 | 184 | |

## Photometrics

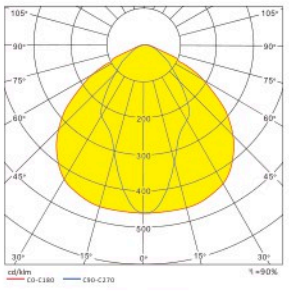


**Tool-less optics Lens design**

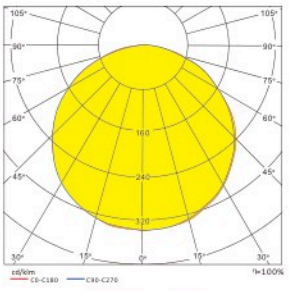
For quickly changing different lens options



General Optic
(As standard offer)

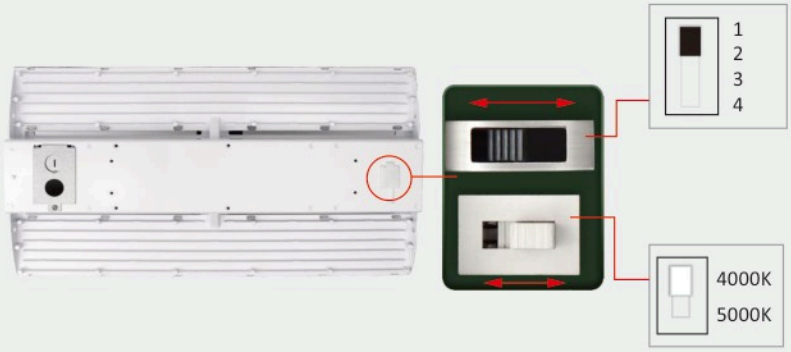


Aisle Optic
(Lens changing needed)



Frosted Diffuser
(Diffuser changing needed)

## Power Selection And CCT Selection Capability




**Power Setting**

| Size | Power Selection | Default Setting |
|---|---|---|
| Small | Adjust power between 120/80/60/35W | 120W |
| | Adjust power between 160/110/80/50W | 160W |
| | Adjust power between 210/140/105/60W | 210W |
| Medium | Adjust power between 320/215/160/95W | 320W |
| Small (combined) | Adjust power between 420/280/210/120W | 420W |

**CCT Setting**

Adjust CCT between 4000/5000K, 5000K default setting.

## Accessories

### Senser

Factory-Installable OR Field-Installable (field-installable purchased separately)

| | | | |
|---|---|---|---|
|  | HD09VR-PH<br>Screw-in PIR Sensor |  | HD09VR-PHB<br>Screw-in PIR Sensor<br>(Networking Wireless Control Version) |

Field-Installable / Field-Use ONLY (purchased separately)

| | |
|---|---|
|  | HD06R<br>Remote Control |

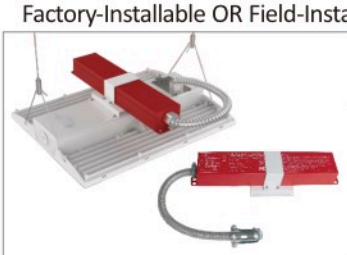
## Adapter

Field-Installable (field-installable purchased separately)

| | |
|---|---|
|  | X3PTZ10ZGA-WA<br>Zhaga Adapter<br>for 3-pin Reverse to Z10 Zhaga |

## Emergency Battery Backup

Factory-Installable OR Field-Installable (field-installable purchased separately)

| | | | |
|---|---|---|---|
|  | XEBB05-25WAC<br>Emergency battery backup<br>EMA25FY-170 -25W/90min,<br>for XLHBE120WS~160WS, at AC120-277/347V | XEBB25-40WAC<br>Emergency battery backup<br>EMA40FY-170 -40W/90min,<br>for XLHBE210WS, atAC120-277/347V | XEBB19-40WACHV<br>Emergency battery backup<br>EMA-40500DI-HY -40W/90min,<br>for XLHBE120WS~210WS, at AC277-480V |
|  | XEBB06-40WAC<br>Emergency battery backup<br>EMA40FY-170 -40W/90min,<br>for XLHBE320WS, at AC120-277/347V | XEBB20-40WACHV<br>Emergency battery backup<br>EMA-40500DI-HY -40W/90min,<br>for XLHBE320WS, at AC277-480V | |

Note: The dimmer is incompatible with the emergency battery backup.

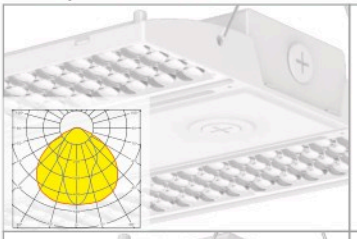
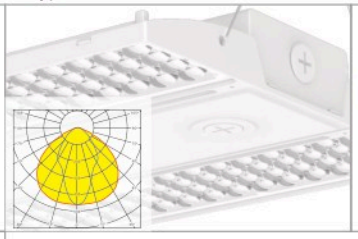
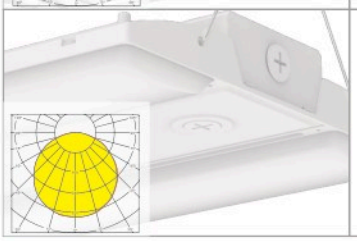
## Mounts and Kits

Field-Installable / Field-Use ONLY (purchased separately)

| | | | |
|---|---|---|---|
|  | XSPM-1.5M-A-LHB<br>Suspension Mount - 1.5m hanging length 2pcs<br>(Default Include) |  | XSM-A-LHB<br>Surface Mount - 2pcs |
|  | XCM-A-LHB<br>Conduit & Surface Mount |  | AC-LHBE-CK-A<br>Connection Kits |

## Lens

Factory-Installable OR Field-Installable (field-installable purchased separately)

| | | | |
|---|---|---|---|
|  | X-LHBE-AisleLS-S-A<br>Aisle Optical Lens -1pcs,<br>Small Size for XLHBE120WS~210WS |  | X-LHBE-AisleLS-M-A<br>Aisle Optical Lens -1pcs,<br>Medium Size for XLHBE320WS |
|  | DFS Kit-Frosted-S-A<br>Polycarbonate Frosted Diffuser -1pcs,<br>Small Size for XLHBE120WS~210WS | | |

Note: LHBE comes with standard General Optical Lens, Aisle Optical Lens and Frosted Diffuser are optional.

# Electrical Data

| Model Series | Wattage(W) | Current (A) | | | | | |
|---|---|---|---|---|---|---|---|
| | | Input Voltage (V) | | | | | |
| | | 120 | 208 | 240 | 277 | 347 | 347 |
| XLHBE420WS | 420 | 3.89 | 2.24 | 1.94 | 1.68 | 1.34 | 0.97 |
| | 280 | 2.59 | 1.50 | 1.30 | 1.12 | 0.90 | 0.65 |
| | 210 | 1.94 | 1.12 | 0.97 | 0.84 | 0.67 | 0.49 |
| | 120 | 1.11 | 0.64 | 0.56 | 0.48 | 0.38 | 0.28 |
| XLHBE320WS | 320 | 2.96 | 1.71 | 1.48 | 1.28 | 1.02 | 0.74 |
| | 215 | 1.99 | 1.15 | 1.00 | 0.86 | 0.69 | 0.50 |
| | 160 | 1.48 | 0.85 | 0.74 | 0.64 | 0.51 | 0.37 |
| | 95 | 0.88 | 0.51 | 0.44 | 0.38 | 0.30 | 0.22 |
| XLHBE210WS | 210 | 1.94 | 1.12 | 0.97 | 0.84 | 0.67 | 0.49 |
| | 140 | 1.30 | 0.75 | 0.65 | 0.56 | 0.45 | 0.32 |
| | 105 | 0.97 | 0.56 | 0.49 | 0.42 | 0.34 | 0.24 |
| | 60 | 0.56 | 0.32 | 0.28 | 0.24 | 0.19 | 0.14 |
| XLHBE160WS | 160 | 1.48 | 0.85 | 0.74 | 0.64 | 0.51 | 0.37 |
| | 110 | 1.02 | 0.59 | 0.51 | 0.44 | 0.35 | 0.25 |
| | 80 | 0.74 | 0.43 | 0.37 | 0.32 | 0.26 | 0.19 |
| | 50 | 0.46 | 0.27 | 0.23 | 0.20 | 0.16 | 0.12 |
| XLHBE120WS | 120 | 1.11 | 0.64 | 0.56 | 0.48 | 0.38 | 0.28 |
| | 80 | 0.74 | 0.43 | 0.37 | 0.32 | 0.26 | 0.19 |
| | 60 | 0.56 | 0.32 | 0.28 | 0.24 | 0.19 | 0.14 |
| | 35 | 0.32 | 0.19 | 0.16 | 0.14 | 0.11 | 0.08 |

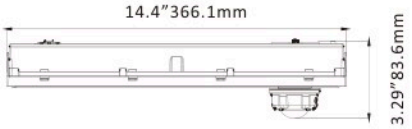
# Dimensions

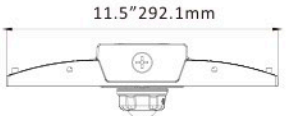
**Small Size**
( 210WS, 160WS, 120WS )

Regular

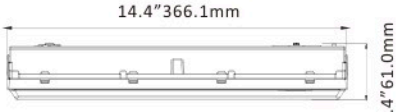



With Sensor

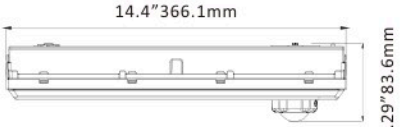



With Frosted Diffuser



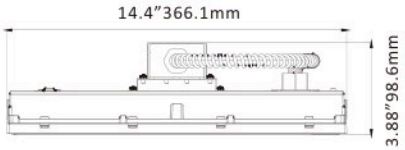

With Frosted Diffuser & Sensor



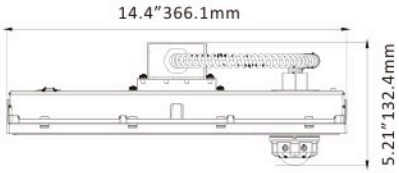


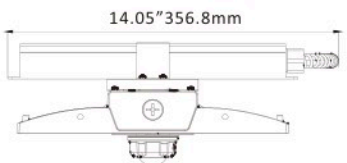


With Emergency Battery Backup

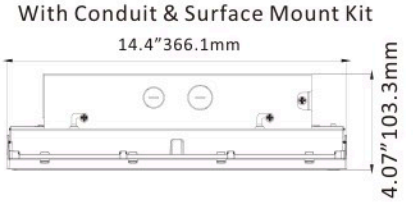



With Emergency Battery Backup & Sensor

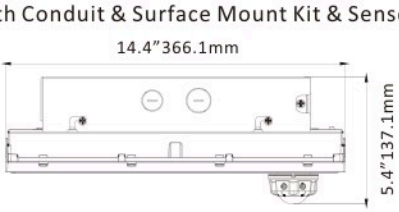


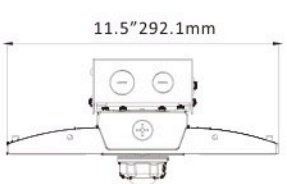




With Conduit & Surface Mount Kit



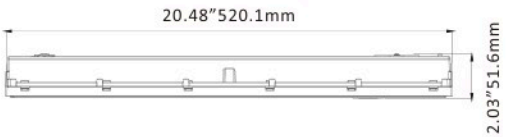

With Conduit & Surface Mount Kit & Sensor



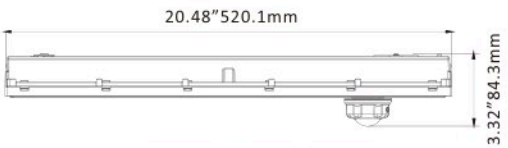



## Medium Size
( 320WS )

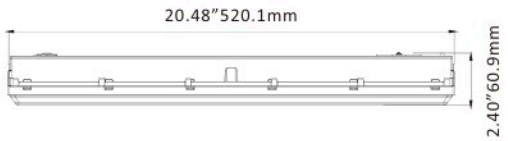
Regular



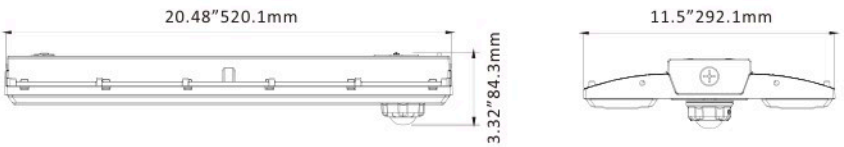

With Sensor



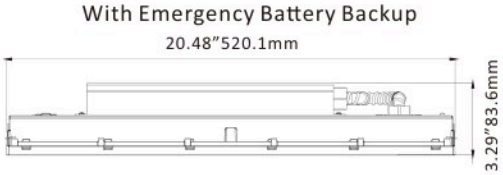

With Frosted Diffuser



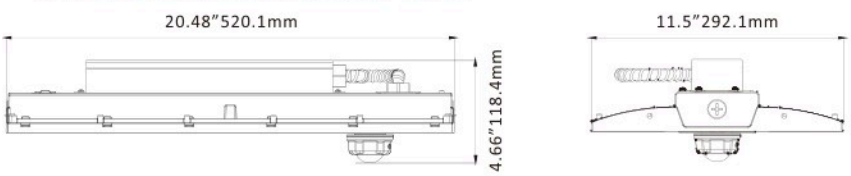

With Frosted Diffuser & Sensor



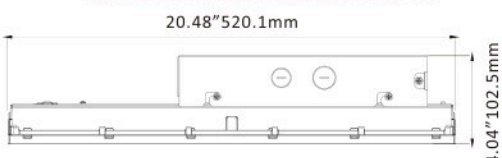

With Emergency Battery Backup



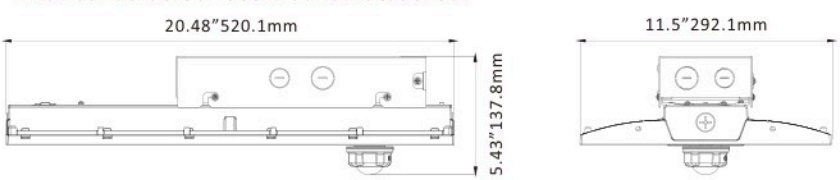

With Emergency Battery Backup & Sensor




With Conduit & Surface Mount Kit



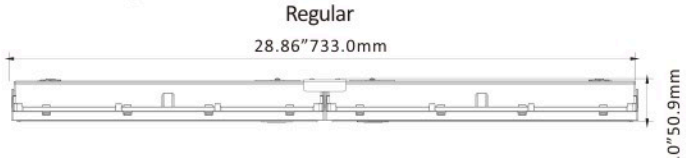

With Conduit & Surface Mount Kit & Sensor



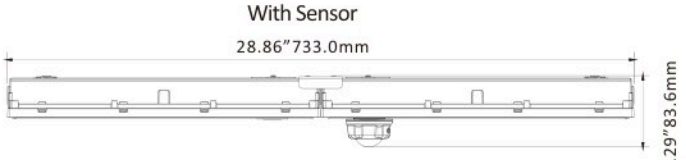

## Small Size (combined)
( 420WS )




Regular



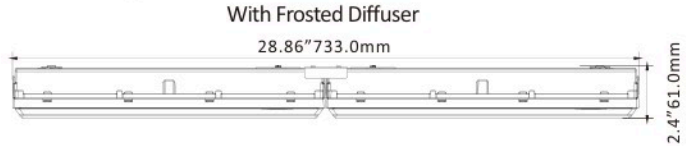

With Sensor



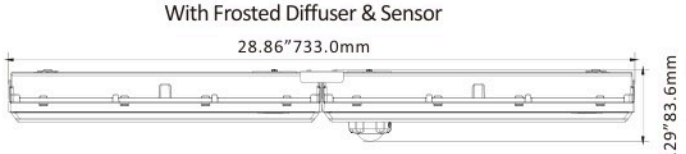




With Frosted Diffuser




With Frosted Diffuser & Sensor




## Shipping Information

| Model | Carton Size (in) | G.W. (lbs) | Per carton (pcs) | 20GP (pcs) | 40HQ (pcs) |
|---|---|---|---|---|---|
| XLHBE420WS | 30.71 x 12.99 x 5.28 | 31.31 | 2 | 1,332 | 3,662 |
| XLHBE320WS | 22.44 x 12.99 x 5.28 | 23.63 | 2 | 1,822 | 5,012 |
| XLHBE210WS | 16.34 x 12.99 x 5.28 | 15.04 | 2 | 2,472 | 6,802 |
| XLHBE160WS | 16.34 x 12.99 x 5.28 | 15.04 | 2 | 2,472 | 6,802 |
| XLHBE120WS | 16.34 x 12.99 x 5.28 | 15.04 | 2 | 2,472 | 6,802 |

Note: The packaging data can sometimes be outdated or incomplete. For the most reliable information, please reach out to us directly.