



# LEDVANCE LUMINAIRES

## OPTI-SELECT LINEAR

## HIGH BAY

## OPTISELECT

### LEDVANCE LUMINAIRE SPECIFICATION DATA

| Catalog #   | Comments |
|-------------|----------|
| Project     |          |
| Type        |          |
| Prepared by |          |

### VALUE CLASS™



### APPLICATION

The all new OPTI-SELECT Linear High Bay is the first of its kind — combining all the flexibility in one fixture. It features wattage, CCT, and distribution selectability. You are now able to pick whether you want a wide distribution or aisle distribution at the flip of a switch. Ideal for warehouse applications, school gyms, municipalities, and corridors; the possibilities are endless.

### BENEFITS & FEATURES

- Dual Selectability facilitates inventory management and allows for on-site lighting adjustment
- Offered in three selectable distributions:  
90°x90° / 45°x100° / 65°x95°
- Selectable color temperature: 3500K/4000K/5000K
- Offered in four selectable wattage ranges:
  - 105/135/165W
  - 175/195/220W
  - 255/275/300W
  - 340/370/400W
- All fixtures are shipped with a pre-wired sensor base which is ready to accept an optional field-installed screw-in motion/ daylight sensor
- Compatible with field installable LEDVANCE LINK™ components
- CRI >80
- V-hooks and 3-foot mounting chains are included
- Optional wire guards, surface mounting brackets, and pendant mounting brackets are available
- Up to 150 LPW
- Energy savings up to 73%
- DLC 5.1 Premium



## ELECTRICAL

- 120-347 and 277-480V<sub>AC</sub>
- Power Factor >.9
- THD <20%
- Dimmable 0-10V)

## OPERATING TEMPERATURE

- -40°F to +122°F (-40°C to +50°C)
- -30°F to +122°F (-30°C to +50°C)  
With Sensor

## RATED LIFE

- 100,000 hours (L<sub>70</sub>)

## CERTIFICATIONS & LISTINGS

- RoHS
- cULus
- DLC 5.1 Premium
- FCC
- Damp location
- IK09

## WARRANTY

- 5 year
- NLB Trusted Warranty Program

## INSTALLATION

- V-Hooks and 3 foot mounting chains included
- Optional surface mount brackets, pendant mount brackets, and aircraft cable mounts are available. Please see the Accessories section for further information
- Suitable for damp locations

## ORDERING GUIDE

| LNHIBA                      | V                  | SXXX                                                                                     | XXX                              | D                    | 8             | SC7                       | ADJ              | WH                                                               |
|-----------------------------|--------------------|------------------------------------------------------------------------------------------|----------------------------------|----------------------|---------------|---------------------------|------------------|------------------------------------------------------------------|
| PRODUCT NAME                | GENERATION         | WATTAGE                                                                                  | VOLTAGE                          | DIMMING              | CRI           | COLOR TEMP                | DISTRIBUTION     | COLOR/FINISH                                                     |
| LNHIBA =<br>Linear High Bay | V =<br>Value Class | S165 = 105/135/165W<br>S220 = 175/195/220W<br>S300 = 255/275/300W<br>S400 = 340/370/400W | UNH = 120-347V<br>HUV = 277-480V | D = 0-10V<br>Dimming | 8 =<br>80 CRI | SC7 = 3500/<br>4000/5000K | ADJ = Adjustable | WH = White<br>E = Emergency<br>Battery Back Up<br>10C = 10' Cord |

## ORDERING INFORMATION

| ITEM # | ORDERING ABBREVIATION        | WATTAGE (W) | INPUT VOLTAGE (V) | DIM (V) | CRI | CCT             | TOTAL FIXTURE LUMENS (LM) | DLC      | LPW       | DISTRIBUTION | FINISH | OPTIONS                   |
|--------|------------------------------|-------------|-------------------|---------|-----|-----------------|---------------------------|----------|-----------|--------------|--------|---------------------------|
| 66438  | LNHIBAV/S165UNHD8SC7/ADJ/WH  | 105/135/165 | 120-347V          | 0-10V   | >80 | 3500/4000/5000K | 15,750/20,250/24,750      | 5.1 Prem | Up to 150 | Adjustable   | White  | —                         |
| 66439  | LNHIBAV/S220UNHD8SC7/ADJ/WH  | 175/195/220 | 120-347V          | 0-10V   | >80 | 3500/4000/5000K | 26,250/29,250/33,000      | 5.1 Prem | Up to 150 | Adjustable   | White  | —                         |
| 66440  | LNHIBAV/S300UNHD8SC7/ADJ/WH  | 255/275/300 | 120-347V          | 0-10V   | >80 | 3500/4000/5000K | 38,250/41,250/45,000      | 5.1 Prem | Up to 150 | Adjustable   | White  | —                         |
| 66441  | LNHIBAV/S400UNHD8SC7/ADJ/WH  | 340/370/400 | 120-347V          | 0-10V   | >80 | 3500/4000/5000K | 51,000/55,500/60,000      | 5.1 Prem | Up to 150 | Adjustable   | White  | —                         |
| 66442  | LNHIBAV/S165HUV8SC7/ADJ/WH   | 105/135/165 | 277-480V          | 0-10V   | >80 | 3500/4000/5000K | 15,750/20,250/24,750      | 5.1 Prem | Up to 150 | Adjustable   | White  | —                         |
| 66443  | LNHIBAV/S220HUV8SC7/ADJ/WH   | 175/195/220 | 277-480V          | 0-10V   | >80 | 3500/4000/5000K | 26,250/29,250/33,000      | 5.1 Prem | Up to 150 | Adjustable   | White  | —                         |
| 66444  | LNHIBAV/S300HUV8SC7/ADJ/WH   | 255/275/300 | 277-480V          | 0-10V   | >80 | 3500/4000/5000K | 38,250/41,250/45,000      | 5.1 Prem | Up to 150 | Adjustable   | White  | —                         |
| 66445  | LNHIBAV/S400HUV8SC7/ADJ/WH   | 340/370/400 | 277-480V          | 0-10V   | >80 | 3500/4000/5000K | 51,000/55,500/60,000      | 5.1 Prem | Up to 150 | Adjustable   | White  | —                         |
| 67090  | LNHIBAV/S165UNHD8SC7/ADJ/WHE | 105/135/165 | 120-347V          | 0-10V   | >80 | 3500/4000/5000K | 15,750/20,250/24,750      | 5.1 Prem | Up to 150 | Adjustable   | White  | Emergency Battery Back Up |
| 67091  | LNHIBAV/S220UNHD8SC7/ADJ/WHE | 175/195/220 | 120-347V          | 0-10V   | >80 | 3500/4000/5000K | 26,250/29,250/33,000      | 5.1 Prem | Up to 150 | Adjustable   | White  | Emergency Battery Back Up |
| 67092  | LNHIBAV/S300UNHD8SC7/ADJ/WHE | 255/275/300 | 120-347V          | 0-10V   | >80 | 3500/4000/5000K | 38,250/41,250/45,000      | 5.1 Prem | Up to 150 | Adjustable   | White  | Emergency Battery Back Up |

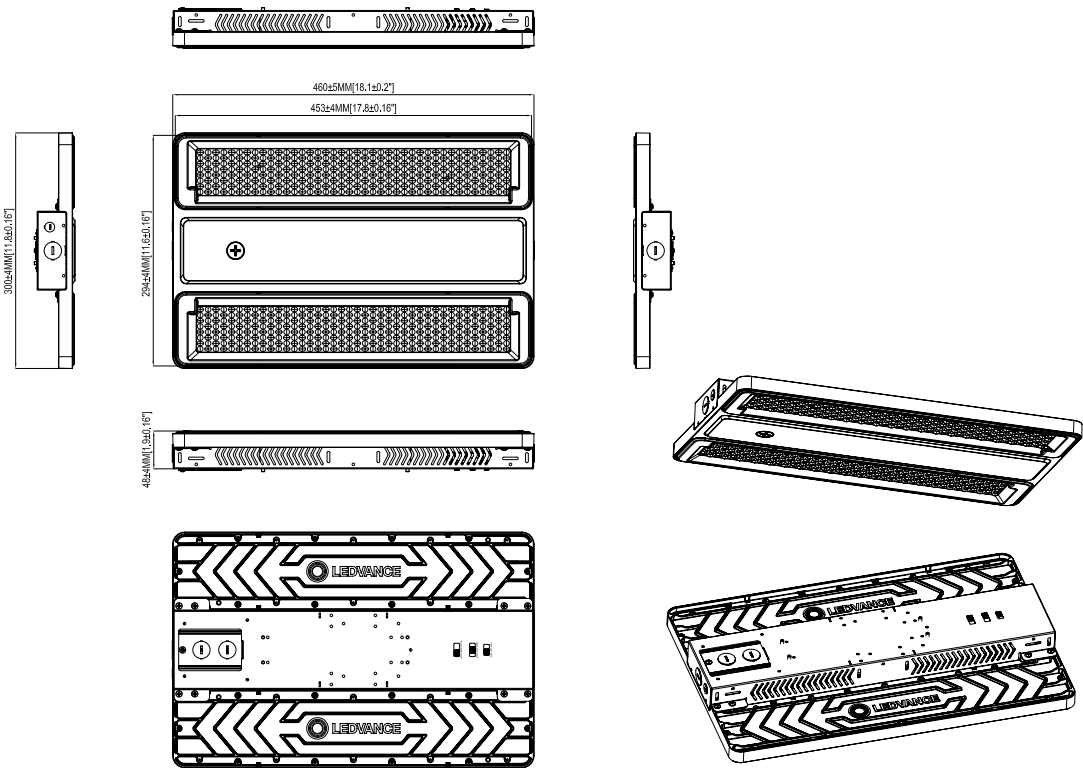
## ORDERING INFORMATION (CONTINUED)

| ITEM # | ORDERING ABBREVIATION          | WATTAGE (W) | INPUT VOLTAGE (V) | DIM (V) | CRI | CCT              | TOTAL FIXTURE LUMENS (LM) | DLC      | LPW       | DISTRIBUTION | FINISH | OPTIONS                   |
|--------|--------------------------------|-------------|-------------------|---------|-----|------------------|---------------------------|----------|-----------|--------------|--------|---------------------------|
| 67093  | LNHIBAV/S400UNHD8SC7/ADJ/WHE   | 340/370/400 | 120-347V          | 0-10V   | >80 | 3500/4000 /5000K | 51,000/55,500 /60,000     | 5.1 Prem | Up to 150 | Adjustable   | White  | Emergency Battery Back Up |
| 67094  | LNHIBAV/S165HUV8SC7/ADJ/WHE    | 105/135/165 | 277-480V          | 0-10V   | >80 | 3500/4000 /5000K | 15,750/20,250 /24,750     | 5.1 Prem | Up to 150 | Adjustable   | White  | Emergency Battery Back Up |
| 67095  | LNHIBAV/S220HUV8SC7/ADJ/WHE    | 175/195/220 | 277-480V          | 0-10V   | >80 | 3500/4000 /5000K | 26,250/29,250 /33,000     | 5.1 Prem | Up to 150 | Adjustable   | White  | Emergency Battery Back Up |
| 67096  | LNHIBAV/S300HUV8SC7/ADJ/WHE    | 255/275/300 | 277-480V          | 0-10V   | >80 | 3500/4000 /5000K | 38,250/41,250 /45,000     | 5.1 Prem | Up to 150 | Adjustable   | White  | Emergency Battery Back Up |
| 67097  | LNHIBAV/S400HUV8SC7/ADJ/WHE    | 340/370/400 | 277-480V          | 0-10V   | >80 | 3500/4000 /5000K | 51,000/55,500 /60,000     | 5.1 Prem | Up to 150 | Adjustable   | White  | Emergency Battery Back Up |
| 66996  | LNHIBAV/S165UNHD8SC7/ADJ/WH10C | 105/135/165 | 120-347V          | 0-10V   | >80 | 3500/4000 /5000K | 15,750/20,250 /24,750     | 5.1 Prem | Up to 150 | Adjustable   | White  | 10' Cord                  |
| 66997  | LNHIBAV/S220UNHD8SC7/ADJ/WH10C | 175/195/220 | 120-347V          | 0-10V   | >80 | 3500/4000 /5000K | 26,250/29,250 /33,000     | 5.1 Prem | Up to 150 | Adjustable   | White  | 10' Cord                  |
| 66998  | LNHIBAV/S300UNHD8SC7/ADJ/WH10C | 255/275/300 | 120-347V          | 0-10V   | >80 | 3500/4000 /5000K | 38,250/41,250 /45,000     | 5.1 Prem | Up to 150 | Adjustable   | White  | 10' Cord                  |
| 66999  | LNHIBAV/S400UNHD8SC7/ADJ/WH10C | 340/370/400 | 120-347V          | 0-10V   | >80 | 3500/4000 /5000K | 51,000/55,500 /60,000     | 5.1 Prem | Up to 150 | Adjustable   | White  | 10' Cord                  |
| 67000  | LNHIBAV/S165HUV8SC7/ADJ/WH10C  | 105/135/165 | 277-480V          | 0-10V   | >80 | 3500/4000 /5000K | 15,750/20,250 /24,750     | 5.1 Prem | Up to 150 | Adjustable   | White  | 10' Cord                  |
| 67001  | LNHIBAV/S220HUV8SC7/ADJ/WH10C  | 175/195/220 | 277-480V          | 0-10V   | >80 | 3500/4000 /5000K | 26,250/29,250 /33,000     | 5.1 Prem | Up to 150 | Adjustable   | White  | 10' Cord                  |
| 67002  | LNHIBAV/S300HUV8SC7/ADJ/WH10C  | 255/275/300 | 277-480V          | 0-10V   | >80 | 3500/4000 /5000K | 38,250/41,250 /45,000     | 5.1 Prem | Up to 150 | Adjustable   | White  | 10' Cord                  |
| 67003  | LNHIBAV/S400HUV8SC7/ADJ/WH10C  | 340/370/400 | 277-480V          | 0-10V   | >80 | 3500/4000 /5000K | 51,000/55,500 /60,000     | 5.1 Prem | Up to 150 | Adjustable   | White  | 10' Cord                  |

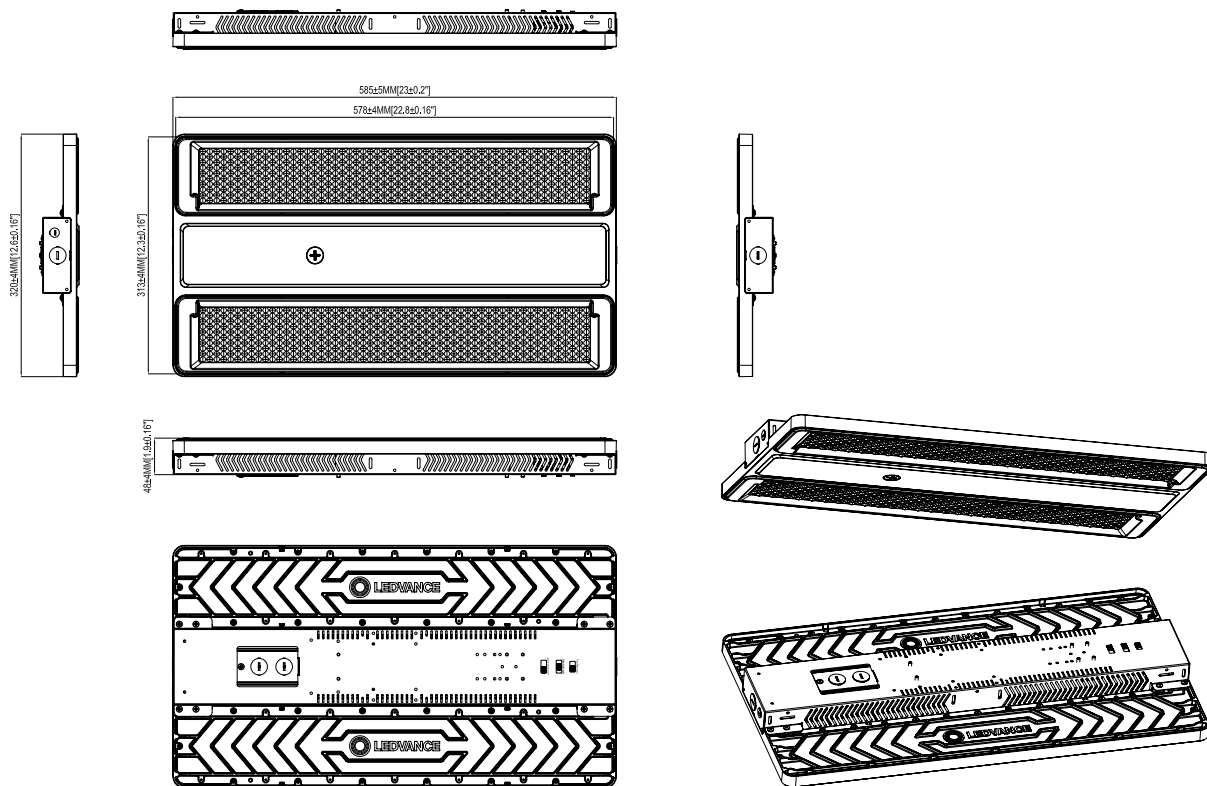
PHYSICAL INFORMATION

| PRODUCT DESCRIPTION | LENGTH IN (MM) | WIDTH IN (MM) | HEIGHT IN (MM) |
|---------------------|----------------|---------------|----------------|
| 165W                | 18.1 (460mm)   | 11.8 (300mm)  | 1.9 (48mm)     |
| 220/300W            | 23 (585mm)     | 12.6 (320mm)  | 1.9 (48mm)     |
| 400W                | 27.6 (700mm)   | 13.2 (335mm)  | 1.9 (48mm)     |

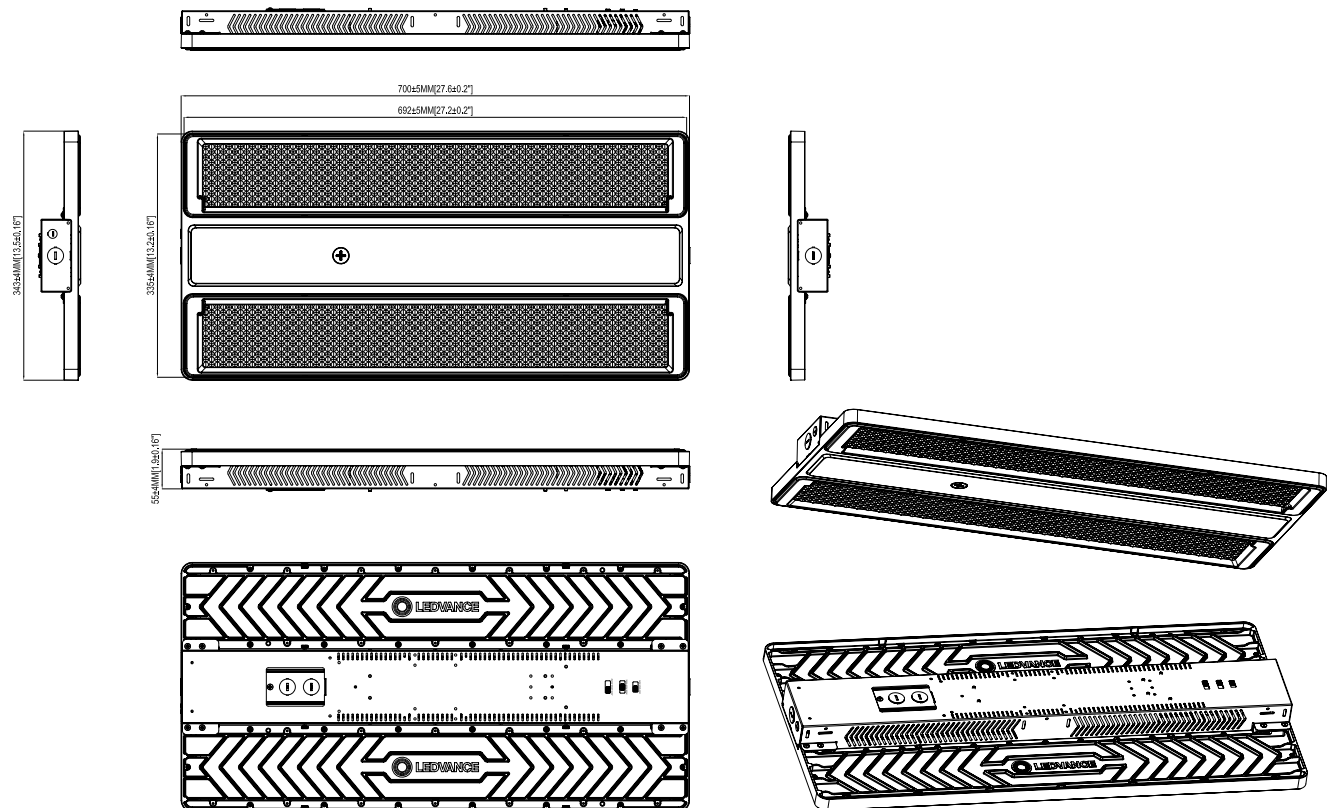
165W



**220/300W**



**400W**



## ACCESSORIES

| ITEM # | ORDERING ABBREVIATION        | ITEM DESCRIPTION                                                                                                                                                                             |
|--------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 63065  | LNHIBA6A/WG02/WH             | Wire Guard for Linear High Bay – fits 165W and 220W, white                                                                                                                                   |
| 63066  | LNHIBA6A/WG03/WH             | Wire Guard for Linear High Bay – fits 300W, white                                                                                                                                            |
| 66867  | LNHIBAV/WG04/WH              | Wire Guard for Linear High Bay – fits 400W, white                                                                                                                                            |
| 63068  | LNHIBA6A/SURFMTGBRACKET02/WH | Surface Mount Brackets for Linear High Bay, fits 165W through 400W, white, must order two brackets for mounting one fixture (cannot be used with EMBB driver)                                |
| 63070  | LNHIBA6A/PENDMTGBRACKET02/WH | Pendant Mount Bracket for Linear High Bay, fits 165W through 400W, white, one bracket included per SKU for mounting one fixture, fits 1/2" or 3/4" conduit (cannot be used with EMBB driver) |
| 65622  | HIGHBAY/MOTIONDAYSENSOR      | Field installable microwave Motion/Daylight sensor, Max. mounting height of 49ft.*                                                                                                           |
| 62664  | HIGHBAY/PIR/MOTIONDAYSENSOR2 | Field installable PIR DC Motion/Daylight Sensor, IP65, Max. mounting height 39 ft.*                                                                                                          |
| 65623  | REMOTE/MOTIONDAY/001         | Remote control for Motion/Daylight Sensors (65622 and 62664) – Remote is required to change default settings                                                                                 |
| 66877  | LNHIBAV/CHAINMT5             | 5' Chain and Hook kit for 165-400W                                                                                                                                                           |
| 66878  | LNHIBAV/CHAINMT10            | 10' Chain and Hook kit for 165-400W                                                                                                                                                          |
| 66879  | LNHIBAV/CABLEMT5             | 5' Cable and Hook kit for 165-400W                                                                                                                                                           |
| 66880  | LNHIBAV/CABLEMT10            | 10' Cable and Hook kit for 165-400W                                                                                                                                                          |
| 66881  | LNHIBAV/HOOKCHAINKT          | Replacement 3' Chain and Hook kit for 165-400W                                                                                                                                               |

\*To change default settings, must use 65623 remote control.

OPTIONAL LEDVANCE LINK™ ACCESSORIES

Field Installable components compatible with the OPTI-SELECT Linear High Bay



BENEFITS & FEATURES

- The LEDVANCE LINK™ Bluetooth® Mesh Low Voltage components use Bluetooth® technology for easy and secure wireless communication
- Enables indoor LEDVANCE luminaires to become Bluetooth® enabled and allows for luminaires to be turned on/off and dimmed (manual or auto)
- The LEDVANCE LINK™ Controller (62630) and Sensor (62634) require the simple adapter (63652) to screw into the luminaire
- Components can be used up to 40ft height
- Control using either the LEDVANCE LINK™ App or the wireless wall controller



ORDERING INFORMATION

| ITEM # | ORDERING ABBREVIATION  | DESCRIPTION                                                                                     |
|--------|------------------------|-------------------------------------------------------------------------------------------------|
| 63652  | SENSORADAPTOR1A        | Sensor adapter for integration of LEDVANCE LINK™ 3.5mm components to 3-pin sensor sockets       |
| 62630* | ADAPTER/AUX12V/BLE     | Bluetooth® Mesh low voltage controller – BLE enabled fixture                                    |
| 62634* | SENSORHB/PIRAUX12V/BLE | Bluetooth® Mesh low voltage sensor & controller Bluetooth® – BLE enabled daylight/motion sensor |
| 62636  | WALLSWITCH5KEYBLE      | Bluetooth® Mesh 5-button controller — battery operated                                          |

\*Requires BLE adaptor 63652

Click or scan QR code for more information on LEDVANCE LINK™



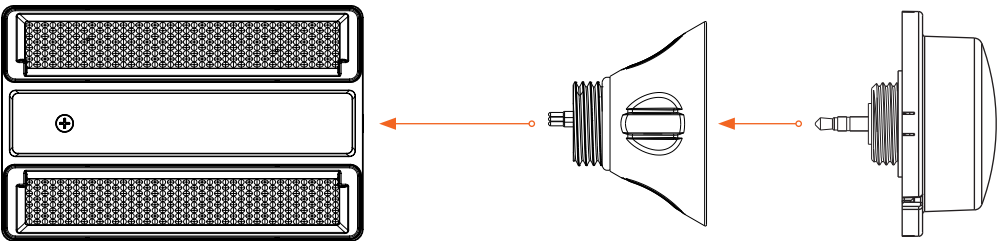
COMMISSIONING  
GUIDE



62630



62634



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WATTAGE COMPARISON

| TRADITIONAL<br>SOURCE | TRADITIONAL<br>SYSTEM WATATGE | LED SYSTEM<br>WATTAGE | ENERGY<br>SAVINGS |
|-----------------------|-------------------------------|-----------------------|-------------------|
| 175W MH               | 210                           | 105                   | 50%               |
| 250W MH               | 290                           | 105                   | 64%               |
| 250W HPS              | 295                           | 135                   | 54%               |
| 250W MH               | 290                           | 165                   | 43%               |
| 250W HPS              | 295                           | 175                   | 41%               |
| 320 MH                | 370                           | 195                   | 47%               |
| 400W HPS              | 460                           | 195                   | 58%               |
| 320 MH                | 370                           | 220                   | 41%               |
| 400W HPS              | 460                           | 220                   | 52%               |
| 400W MH               | 450                           | 255                   | 43%               |
| 400W HPS              | 460                           | 275                   | 40%               |
| 400W MH               | 450                           | 300                   | 33%               |
| 750W MH               | 820                           | 340                   | 59%               |
| 750W HPS              | 840                           | 340                   | 60%               |
| 1000W MH              | 1080                          | 370                   | 66%               |
| 1000W HPS             | 1100                          | 370                   | 66%               |
| 750W HPS              | 840                           | 400                   | 52%               |
| 1000W MH              | 1080                          | 400                   | 63%               |
| 1000W HPS             | 1100                          | 400                   | 64%               |

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