

# SYLVANIA Luminaires

## ValueLED™ Linear High Bay 4A

### Application

The ValueLED Linear High Bay luminaires are environmentally preferable LED alternatives to traditional linear fluorescent and HID lamps. Offering up to 73% in energy savings and ideal in place of traditional luminaires or as new installations, the ValueLED Linear High Bay series is offered in a variety of wattages for use in warehouses, manufacturing facilities, big-box retail, gymnasiums, and loading docks.

### Benefits and Features

- Lightweight and easy to install
- A variety of mounting accessories and wire guards are available
- All fixtures ship with a pre-wired sensor base that is ready to accept an optional, field installable, screw-in motion/daylight sensor that installs in seconds
- Polycarbonate lens and powder coated body
- DLC 5.1 Premium listing optimizes rebate opportunities
- Up to 135 LPW
- 4000K and 5000K color temperatures
- CRI >80
- Offered in 90, 110, 130, 165, 220, 300 and 320 watts
- Wide distribution
- Energy savings up to 73%

### Electrical

- 120-277V<sub>AC</sub>/277-480V<sub>AC</sub>
- Power Factor >0.9
- THD <20%
- 2.5kV surge suppression
- 0-10V dimmable

### Rated Life

- 50,000 hours (L<sub>70</sub>)

### Warranty

- 5-year
- NLB Trusted Warranty Program

### Operating Temperature

- -40°F to +122°F (-40°C to +50°C)
- With motion sensor: -22°F to 122°F (-30°C to +50°C)

Item #

Type

Project

Notes

Date



### Wattage Comparison

| Traditional Source | Traditional System Wattage | LED System Wattage | Energy Savings |
|--------------------|----------------------------|--------------------|----------------|
| 4-lamp 32W T8      | 112                        | 90                 | 20%            |
| 250W MH            | 290                        | 110                | 62%            |
| 250W HPS           | 295                        | 110                | 63%            |
| 4-LAMP 54W T5 HO   | 220                        | 130                | 41%            |
| 8-LAMP 32W T8      | 224                        | 130                | 42%            |
| 250W MH            | 290                        | 130                | 55%            |
| 250W HPS           | 295                        | 130                | 56%            |
| 4-LAMP 54W T5 HO   | 220                        | 165                | 25%            |
| 8-LAMP 32W T8      | 224                        | 165                | 26%            |
| 250W MH            | 290                        | 165                | 43%            |
| 250W HPS           | 295                        | 165                | 43%            |
| 320W MH            | 370                        | 165                | 55%            |
| 6-LAMP 54W T5 HO   | 350                        | 220                | 37%            |
| 320W MH            | 370                        | 220                | 40%            |
| 400W HPS           | 460                        | 220                | 52%            |
| 400W MH            | 450                        | 220                | 51%            |
| 8-LAMP 54W T5 HO   | 480                        | 220                | 54%            |
| 8-LAMP 54W T5 HO   | 480                        | 300                | 38%            |
| 750W HPS           | 840                        | 300                | 64%            |
| 1000W MH           | 1080                       | 300                | 72%            |
| 1000W HPS          | 1100                       | 300                | 73%            |
| 8-LAMP 54W T5 HO   | 480                        | 320                | 33%            |
| 750W HPS           | 840                        | 320                | 62%            |
| 1000W MH           | 1080                       | 320                | 70%            |
| 1000W HPS          | 1100                       | 320                | 71%            |

### Certifications and Listings

- cULus
- RoHS
- FCC
- DLC 5.1 Premium
- Suitable for damp location



## Installation

- V-hooks included
- Optional surface mount brackets, pendant mount, and aircraft cable mounts are available.  
Please see the Accessories section for further information
- Optional motion/daylight sensor can be field installed

## Ordering Guide

| LNHIBA                   | 4A                 | / | XXX                                                                                          | UNV                              | 8       | XX                       | / | XX                       | W                     | / | WH           | / | X                             |
|--------------------------|--------------------|---|----------------------------------------------------------------------------------------------|----------------------------------|---------|--------------------------|---|--------------------------|-----------------------|---|--------------|---|-------------------------------|
| Product Name             | Generation         |   | Wattage                                                                                      | Voltage                          | CRI     | Color Temp               |   | Dimensions               | Distribution          |   | Color/Finish |   | Options                       |
| LNHIBA = Linear High Bay | 4A = Generation 4A |   | 90 = 90W<br>110 = 110W<br>130 = 130W<br>165 = 165W<br>220 = 220W<br>300 = 300W<br>320 = 320W | UNV = 120-277V<br>HUV = 277-480V | 8 = >80 | 40 = 4000K<br>50 = 5000K |   | 12 = 1'X2'<br>13 = 1'X3' | W = Wide distribution |   | WH = White   |   | E = Emergency Battery Back-Up |

## Ordering Information

| Item Number | Ordering Abbreviation        | Power (W) | Input Voltage (V) | Color Temp. | Dimming | CRI | Total Fixture Lumens (lm) | LPW | Size          | DLC | Options                                |  MTO* |
|-------------|------------------------------|-----------|-------------------|-------------|---------|-----|---------------------------|-----|---------------|-----|----------------------------------------|------------------------------------------------------------------------------------------|
| 62280       | LNHIBA4A/090UNVD840/12W/WH   | 90        | 120-277           | 4000K       | 0-10V   | >80 | 12,150                    | 135 | 11.8" x 24.8" | Prm | —                                      | —                                                                                        |
| 62281       | LNHIBA4A/090UNVD850/12W/WH   | 90        | 120-277           | 5000K       | 0-10V   | >80 | 12,150                    | 135 | 11.8" x 24.8" | Prm | —                                      | —                                                                                        |
| 62282       | LNHIBA4A/130UNVD840/12W/WH   | 130       | 120-277           | 4000K       | 0-10V   | >80 | 17,550                    | 135 | 11.8" x 24.8" | Prm | —                                      | —                                                                                        |
| 62283       | LNHIBA4A/130UNVD850/12W/WH   | 130       | 120-277           | 5000K       | 0-10V   | >80 | 17,550                    | 135 | 11.8" x 24.8" | Prm | —                                      | —                                                                                        |
| 62284       | LNHIBA4A/165UNVD840/12W/WH   | 165       | 120-277           | 4000K       | 0-10V   | >80 | 22,275                    | 135 | 11.8" x 24.8" | Prm | —                                      | —                                                                                        |
| 62285       | LNHIBA4A/165UNVD850/12W/WH   | 165       | 120-277           | 5000K       | 0-10V   | >80 | 22,275                    | 135 | 11.8" x 24.8" | Prm | —                                      | —                                                                                        |
| 62286       | LNHIBA4A/220UNVD840/12W/WH   | 220       | 120-277           | 4000K       | 0-10V   | >80 | 29,700                    | 135 | 14.2" x 24.8" | Prm | —                                      | —                                                                                        |
| 62287       | LNHIBA4A/220UNVD850/12W/WH   | 220       | 120-277           | 5000K       | 0-10V   | >80 | 29,700                    | 135 | 14.2" x 24.8" | Prm | —                                      | —                                                                                        |
| 62288       | LNHIBA4A/300UNVD840/13W/WH   | 300       | 120-277           | 4000K       | 0-10V   | >80 | 40,500                    | 135 | 15.2" x 35.4" | Prm | —                                      | —                                                                                        |
| 62289       | LNHIBA4A/300UNVD850/13W/WH   | 300       | 120-277           | 5000K       | 0-10V   | >80 | 40,500                    | 135 | 15.2" x 35.4" | Prm | —                                      | —                                                                                        |
| 62290       | LNHIBA4A/110HUV840/12W/WH    | 110       | 277-480           | 4000K       | 0-10V   | >80 | 14,850                    | 135 | 11.8" x 24.8" | Prm | —                                      | —                                                                                        |
| 62291       | LNHIBA4A/110HUV850/12W/WH    | 110       | 277-480           | 5000K       | 0-10V   | >80 | 14,850                    | 135 | 11.8" x 24.8" | Prm | —                                      | —                                                                                        |
| 62292       | LNHIBA4A/165HUV840/12W/WH    | 165       | 277-480           | 4000K       | 0-10V   | >80 | 22,275                    | 135 | 12.8" x 24.8" | Prm | —                                      | —                                                                                        |
| 62293       | LNHIBA4A/165HUV850/12W/WH    | 165       | 277-480           | 5000K       | 0-10V   | >80 | 22,275                    | 135 | 12.8" x 24.8" | Prm | —                                      | —                                                                                        |
| 62294       | LNHIBA4A/220HUV840/12W/WH    | 220       | 277-480           | 4000K       | 0-10V   | >80 | 29,700                    | 135 | 15.2" x 24.8" | Prm | —                                      | —                                                                                        |
| 62295       | LNHIBA4A/220HUV850/12W/WH    | 220       | 277-480           | 5000K       | 0-10V   | >80 | 29,700                    | 135 | 15.2" x 24.8" | Prm | —                                      | —                                                                                        |
| 62296       | LNHIBA4A/320HUV840/13W/WH    | 320       | 277-480           | 4000K       | 0-10V   | >80 | 43,200                    | 135 | 15.2" x 35.4" | Prm | —                                      | —                                                                                        |
| 62297       | LNHIBA4A/320HUV850/13W/WH    | 320       | 277-480           | 5000K       | 0-10V   | >80 | 43,200                    | 135 | 15.2" x 35.4" | Prm | —                                      | —                                                                                        |
| 65722       | LNHIBA4A/090UNVD840/12W/WH/E | 90        | 120-277           | 4000K       | 0-10V   | >80 | 12,150                    | 135 | 11.8" x 24.8" | Prm | Emergency Battery Back-up <sup>†</sup> | MTO                                                                                      |
| 65723       | LNHIBA4A/090UNVD850/12W/WH/E | 90        | 120-277           | 5000K       | 0-10V   | >80 | 12,150                    | 135 | 11.8" x 24.8" | Prm | Emergency Battery Back-up <sup>†</sup> | MTO                                                                                      |
| 65724       | LNHIBA4A/130UNVD840/12W/WH/E | 130       | 120-277           | 4000K       | 0-10V   | >80 | 17,550                    | 135 | 11.8" x 24.8" | Prm | Emergency Battery Back-up <sup>†</sup> | MTO                                                                                      |
| 65725       | LNHIBA4A/130UNVD850/12W/WH/E | 130       | 120-277           | 5000K       | 0-10V   | >80 | 17,550                    | 135 | 11.8" x 24.8" | Prm | Emergency Battery Back-up <sup>†</sup> | MTO                                                                                      |
| 65726       | LNHIBA4A/165UNVD840/12W/WH/E | 165       | 120-277           | 4000K       | 0-10V   | >80 | 22,275                    | 135 | 11.8" x 24.8" | Prm | Emergency Battery Back-up <sup>†</sup> | MTO                                                                                      |
| 65727       | LNHIBA4A/165UNVD850/12W/WH/E | 165       | 120-277           | 5000K       | 0-10V   | >80 | 22,275                    | 135 | 11.8" x 24.8" | Prm | Emergency Battery Back-up <sup>†</sup> | MTO                                                                                      |
| 65728       | LNHIBA4A/220UNVD840/12W/WH/E | 220       | 120-277           | 4000K       | 0-10V   | >80 | 29,700                    | 135 | 14.2" x 24.8" | Prm | Emergency Battery Back-up <sup>†</sup> | MTO                                                                                      |
| 65729       | LNHIBA4A/220UNVD850/12W/WH/E | 220       | 120-277           | 5000K       | 0-10V   | >80 | 29,700                    | 135 | 14.2" x 24.8" | Prm | Emergency Battery Back-up <sup>†</sup> | MTO                                                                                      |
| 65730       | LNHIBA4A/300UNVD840/13W/WH/E | 300       | 120-277           | 4000K       | 0-10V   | >80 | 40,500                    | 135 | 15.2" x 35.4" | Prm | Emergency Battery Back-up <sup>†</sup> | MTO                                                                                      |
| 65731       | LNHIBA4A/300UNVD850/13W/WH/E | 300       | 120-277           | 5000K       | 0-10V   | >80 | 40,500                    | 135 | 15.2" x 35.4" | Prm | Emergency Battery Back-up <sup>†</sup> | MTO                                                                                      |

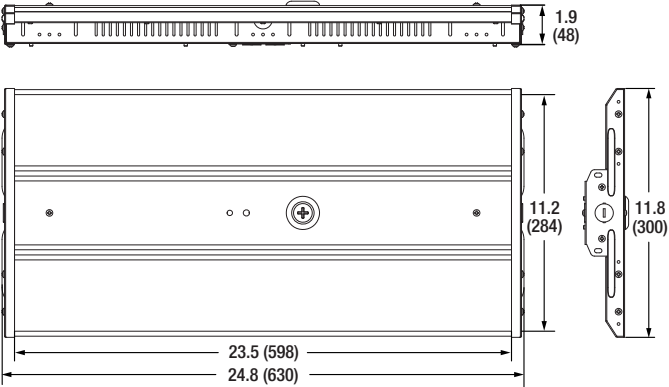
\*Made To Order

†Emergency battery back-up provides 2000 lumens for 90 minutes.

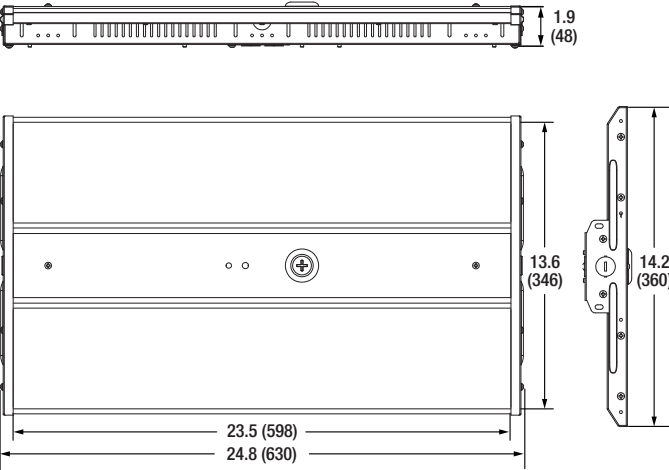
Physical Information

| Description | (A)<br>Length<br>(in) | (B)<br>Width<br>(in) | (C)<br>Height<br>(in) |
|-------------|-----------------------|----------------------|-----------------------|
| 2ft         | 24.8                  | 11.8                 | 1.9                   |
| 2ft 220W    | 24.8                  | 14.2                 | 1.9                   |
| 3ft         | 35.4                  | 15.2                 | 2.1                   |

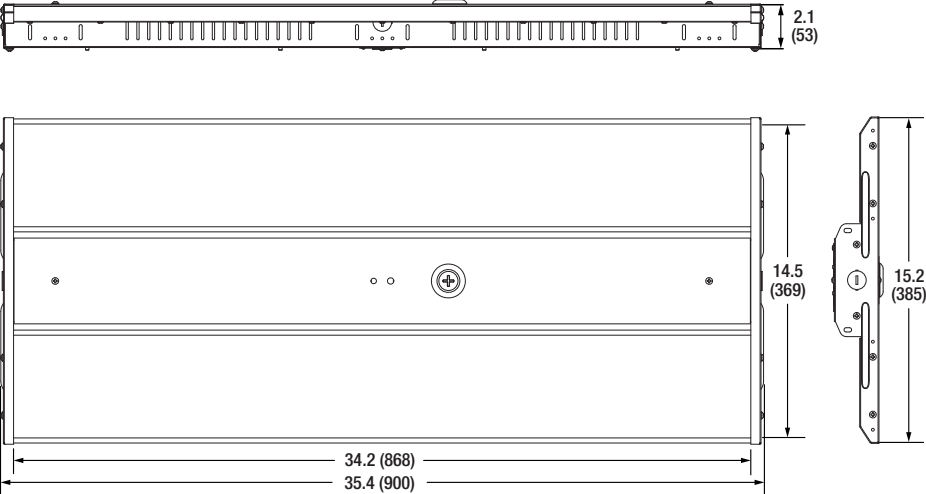
UNV: 90W, 130W, 165W  
HUV: 110W, 165W



UNV: 220W  
HUV: 220W

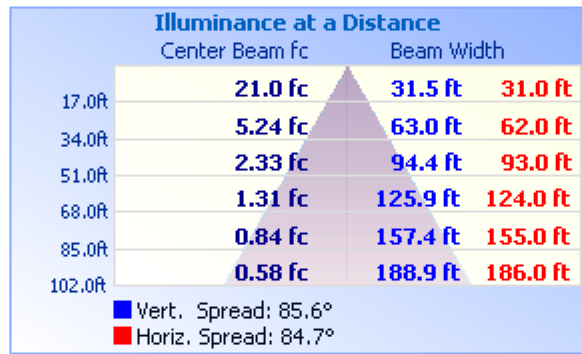


UNV: 300W  
HUV: 320W

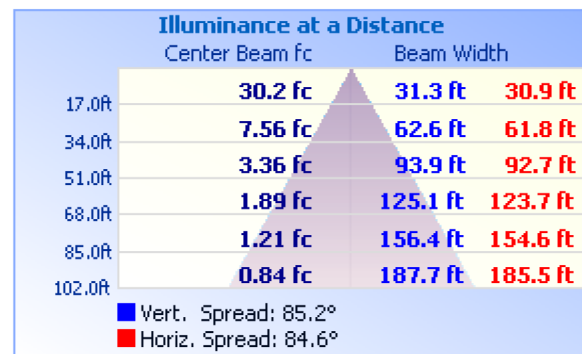


## Illuminance Data

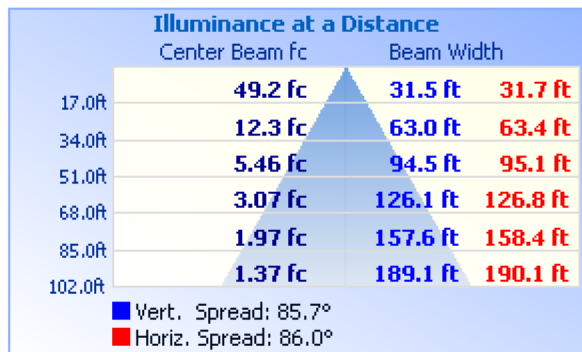
### 90W UNV



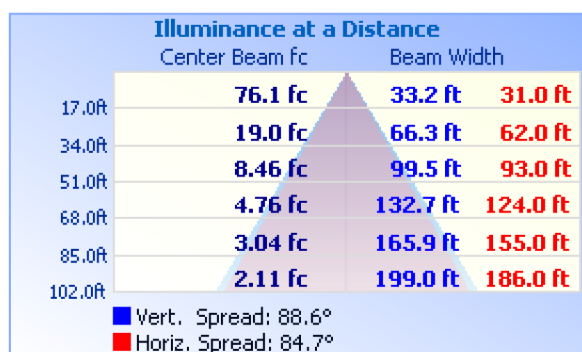
### 130W UNV



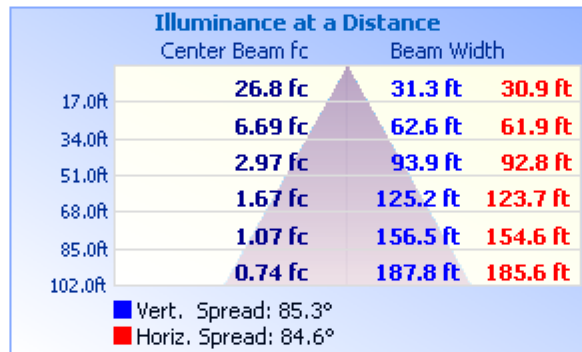
### 220W UNV



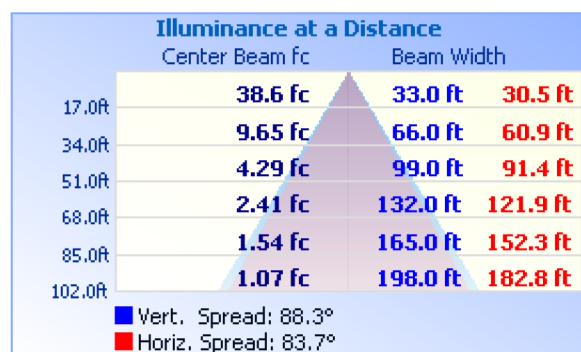
### 300W UNV



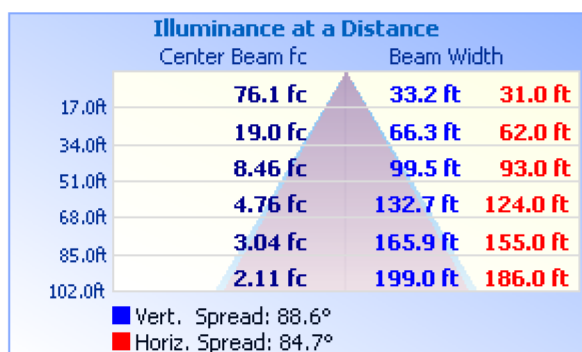
### 110W HUV



### 165W HUV



### 320W HUV



Available Accessories

| Item Number | Ordering Abbreviation        | Description                                                                                                                                                        |
|-------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 65673       | LNHIBA4A/SURFMTGBRACKET01/WH | Surface Mount Bracket for 90, 130, 165 and 220W UNV products – can be used to surface mount or pendant mount fixture – 2 brackets per SKU (for mounting 1 fixture) |
| 65674       | LNHIBA4A/SURFMTGBRACKET02/WH | Surface Mount Bracket for 300W UNV and ALL HUV products – can be used to surface mount or pendant mount fixture – 2 brackets per SKU (for mounting 1 fixture)      |
| 65675       | LNHIBA4A/PENDMTGBRACKET01/WH | Pendant Mount Bracket with integral junction box for 90, 130, 165 and 220W UNV products – 1 bracket per SKU (for mounting 1 fixture) – for 1/2" or 3/4" pipe       |
| 65676       | LNHIBA4A/PENDMTGBRACKET02/WH | Pendant Mount Bracket with integral junction box for 300W UNV and ALL HUV products – 1 bracket per SKU (for mounting 1 fixture) – for 1/2" or 3/4" pipe            |
| 65677       | LNHIBA4A/WG01/WH             | Wire Guard for 90, 110, 130, 165W (UNV or HUV) fixtures – 2 guards per SKU (for mounting to one fixture)                                                           |
| 65678       | LNHIBA4A/WG02/WH             | Wire Guard for 220W (UNV or HUV) fixtures – 2 guards per SKU (for mounting to one fixture)                                                                         |
| 65679       | LNHIBA4A/WG03/WH             | Wire Guard for 300 or 320W fixtures – 2 guards per SKU (for mounting to one fixture)                                                                               |
| 65622       | HIGHBAY/MOTIONDAYSENSOR      | Field installable microwave Motion/Daylight sensor with maximum 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                                                       |
| 60573       | LNHIBA2A/CHAINMT             | Chain Mount (5 foot) – 2 per SKU (for mounting 1 fixture)                                                                                                          |
| 60574       | LNHIBA2A/ACCABLEMT           | Cable Mount (5 foot) – 2 per SKU (for mounting 1 fixture)                                                                                                          |

\*Remote required to change default settings.

Accessory Compatibility Information

| Item Number | Ordering Abbreviation      | Power (W) | Input Voltage (V) | Surface Mount | Pendant Mount | Wire Guard |
|-------------|----------------------------|-----------|-------------------|---------------|---------------|------------|
| 62280       | LNHIBA4A/090UNVD840/12W/WH | 90        | 120-277           | 65673         | 65675         | 65677      |
| 62281       | LNHIBA4A/090UNVD850/12W/WH | 90        | 120-277           | 65673         | 65675         | 65677      |
| 62282       | LNHIBA4A/130UNVD840/12W/WH | 130       | 120-277           | 65673         | 65675         | 65677      |
| 62283       | LNHIBA4A/130UNVD850/12W/WH | 130       | 120-277           | 65673         | 65675         | 65677      |
| 62284       | LNHIBA4A/165UNVD840/12W/WH | 165       | 120-277           | 65673         | 65675         | 65677      |
| 62285       | LNHIBA4A/165UNVD850/12W/WH | 165       | 120-277           | 65673         | 65675         | 65677      |
| 62286       | LNHIBA4A/220UNVD840/12W/WH | 220       | 120-277           | 65673         | 65675         | 65678      |
| 62287       | LNHIBA4A/220UNVD850/12W/WH | 220       | 120-277           | 65673         | 65675         | 65678      |
| 62288       | LNHIBA4A/300UNVD840/13W/WH | 300       | 120-277           | 65674         | 65676         | 65679      |
| 62289       | LNHIBA4A/300UNVD850/13W/WH | 300       | 120-277           | 65674         | 65676         | 65679      |
| 62290       | LNHIBA4A/110HUV840/12W/WH  | 110       | 277-480           | 65674         | 65676         | 65677      |
| 62291       | LNHIBA4A/110HUV850/12W/WH  | 110       | 277-480           | 65674         | 65676         | 65677      |
| 62292       | LNHIBA4A/165HUV840/12W/WH  | 165       | 277-480           | 65674         | 65676         | 65677      |
| 62293       | LNHIBA4A/165HUV850/12W/WH  | 165       | 277-480           | 65674         | 65676         | 65677      |
| 62294       | LNHIBA4A/220HUV840/12W/WH  | 220       | 277-480           | 65674         | 65676         | 65678      |
| 62295       | LNHIBA4A/220HUV850/12W/WH  | 220       | 277-480           | 65674         | 65676         | 65678      |
| 62296       | LNHIBA4A/320HUV840/13W/WH  | 320       | 277-480           | 65674         | 65676         | 65679      |
| 62297       | LNHIBA4A/320HUV850/13W/WH  | 320       | 277-480           | 65674         | 65676         | 65679      |

Optional Motion/Daylight Sensor Default Settings (65662 and 62664)\*

|                                                                         |            |
|-------------------------------------------------------------------------|------------|
| Detection Area                                                          | 100%       |
| Hold time – Time fixture stays at 100% after last motion before dimming | 5 Minutes  |
| Daylight threshold – Light level above which lights will remain off     | 50 Lux     |
| Standby period – Time light remains dimmed before shutting off          | 60 Minutes |
| Standby dimming – Dimming level of light during stand-by period         | 30%        |

\*The default settings can only be changed using the optional remote 65623.

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