

# SYLVANIA

## LEDVANCE Luminaires

### Linear High Bay



#### Product Features

The Linear High Bay luminaires are environmentally preferable LED alternatives to traditional linear fluorescent and HID luminaires, offering up to 66% in energy savings. Ideal in place of traditional luminaires, or as new installations, the Linear High Bay series is offered in four wattages/three lumen packages for use in warehouses, manufacturing facilities, big-box retail, gymnasiums, and loading docks.

The linear design with clear and frosted lens options allows for aisle or wide optics. LEDVANCE luminaires assure optimum light engine performance for extended service and rated life (≥80,000 hours L<sub>70</sub>).

#### Wattage Comparison Chart

| Traditional Source | Traditional System Wattage | LED System Wattage | Energy Savings |
|--------------------|----------------------------|--------------------|----------------|
| 4-lamp 32T8        | 112                        | 100                | 11%            |
| 250W MH            | 290                        | 100                | 66%            |
| 250W HPS           | 295                        | 100                | 66%            |
| 4-lamp 54T5HO      | 220                        | 150                | 32%            |
| 8-Lamp 32T8        | 224                        | 150                | 33%            |
| 250W MH            | 290                        | 150                | 48%            |
| 250W HPS           | 295                        | 150                | 49%            |
| 4-lamp 54T5HO      | 220                        | 165                | 25%            |
| 8-Lamp 32T8        | 224                        | 165                | 26%            |
| 250W MH            | 290                        | 165                | 43%            |
| 250W HPS           | 295                        | 165                | 44%            |
| 320W MH            | 370                        | 165                | 55%            |
| 6-Lamp 54T5HO      | 350                        | 225                | 36%            |
| 320W MH            | 370                        | 225                | 39%            |
| 400W HPS           | 460                        | 225                | 51%            |
| 400W MH            | 450                        | 225                | 50%            |

#### Ordering Guide

Item Number:

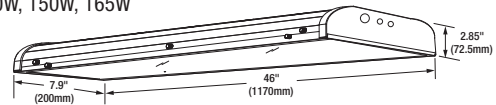
| LNHIBA       | 1A         | / | XXX   | UNV            | D         | 8       | XX                       | / | X   | / | WH           | / | X                                  |
|--------------|------------|---|---|----------------|-----------|---------|--------------------------|---|---|---|--------------|---|------------------------------------|
| Product Name | Generation |   | Wattage   | Voltage        | Dimming   | CRI     | Color Temp (CCT)         |   | Optics  |   | Color/Finish |   | Blank = No option                  |
| LNHIBA       | 1A         |   | 100 = 100 Watts*<br>150 = 150 Watts<br>165 = 165 Watts<br>225 = 225 Watts | UNV = 120-277V | D = 0-10V | 8 = >80 | 40 = 4000K<br>50 = 5000K |   | W = Wide distribution<br>A = Aisle distribution |   | WH = White   |   | D = Motion/<br>Daylighting Sensor* |

\* Only available as Made To Order (MTO) versions

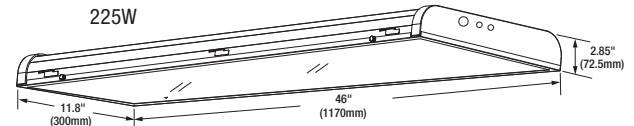
|             |      |
|-------------|------|
| Catalog #   | Type |
| Project     |      |
| Notes       |      |
| Date        |      |
| Prepared by |      |

#### Dimensions

100W, 150W, 165W



225W



Dimensions are in inches (mm).

#### Specifications

**Weight:** 100W: 12.5lbs (5.4kg) 150W/165W: 14lbs (6.4kg) 225W: 18.5lbs (8.4kg)

**Construction:** Powder coat painted aluminum and UV stabilized polycarbonate lens. The standard color is white.

**LED System:** LED system with a life rating of ≥100,000 hours (150W) and ≥80,000 hours (100W, 165W, 225W) at L<sub>70</sub> @25°C. Luminaire efficacy up to 133 LPW.

**Electrical:** Offered in 100, 150, 165, and 225 Watts, the luminaire is designed to operate through 120-277 voltage. The LED driver has a 4kV inherent surge suppression, is a constant current device and meets UL1310 and UL48 Class 1 with built-in over temperature protection. The power factor is ≥90% and THD is ≤20%.

**Dimming:** The driver is 0-10V dimmable (down to 10%). Please reference the dimmer compatibility document (LEDLUM012).

**Color Characteristics:** CRI>80; CCT of 4000K or 5000K

**Optics:** Wide distribution with frosted polycarbonate lens (100/165/225W), wide distribution with clear polycarbonate lens (150W) and aisle distribution with clear polycarbonate lens.

**Installation:** Luminaire is suspended via aircraft cable, chain, or v-hook. Pendant option is available. (Aircraft cable and pendant provided by others.)

**Operating Temperature:** -40°F to +131°F (-40°C to +55°C)

**Listings:** cULus listed to UL1598 standards and for damp locations.

**Warranty:** Standard 5-year luminaire warranty (LEDLUM001).

**Note:** Specifications subject to change without notice. IES files available online.



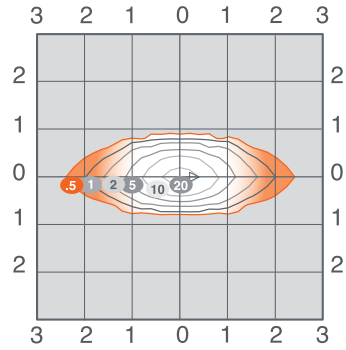
\*DLC Premium only applicable to 150W versions.



## Photometric Data

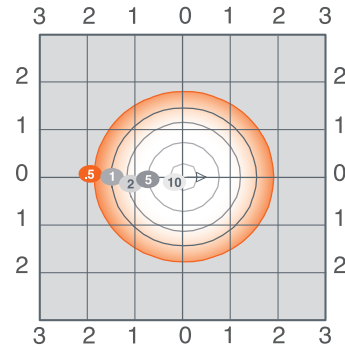
### LNHIBA1A/100UNVD840/A/WH

#### Isofootcandle Lines at 20' Mounting Height



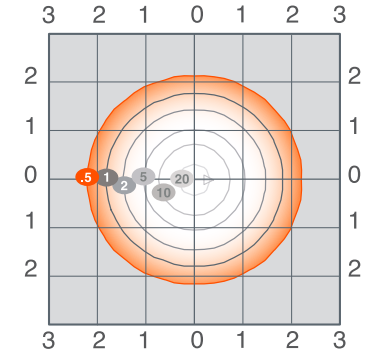
### LNHIBA1A/100UNVD840/W/WH

#### Isofootcandle Lines at 20' Mounting Height



### LNHIBA1A/225UNVD840/W/WH

#### Isofootcandle Lines at 20' Mounting Height



For other wattages apply the following multipliers:

| Wattage    | 100W | 150W | 165W |
|------------|------|------|------|
| Multiplier | 1.00 | 1.5  | 1.5  |

\*This table applies to the first 2 photometric charts.

For other mounting heights apply the following multipliers:

| Mounting Height | 15'  | 18'  | 20'  | 22'  | 25'  | 30'  |
|-----------------|------|------|------|------|------|------|
| Multiplier      | 1.78 | 1.23 | 1.00 | 0.83 | 0.64 | 0.44 |

\*This table applies to all 3 photometric charts.

## Ordering Information

| Item Number | Ordering Abbreviation*           | Power (W) | Input Voltage | Dimming | CRI | Color Temp (CCT) | Lens    | Total Fixture Lumens | LPW** | DLC*** | Options |
|-------------|----------------------------------|-----------|---------------|---------|-----|------------------|---------|----------------------|-------|--------|---------|
| 74845       | LNHIBA1A/150UNVD840/W/WH         | 150       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 19,700               | 133   | Prm    | -       |
| 74846       | LNHIBA1A/150UNVD850/W/WH         | 150       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 19,700               | 133   | Prm    | -       |
| 74831       | LNHIBA1A/165UNVD840/A/WH         | 165       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 18,900               | 117   | Std    | -       |
| 74832       | LNHIBA1A/165UNVD850/A/WH         | 165       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 18,900               | 117   | Std    | -       |
| 74829       | LNHIBA1A/165UNVD840/W/WH         | 165       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 18,100               | 112   | Std    | -       |
| 74830       | LNHIBA1A/165UNVD850/W/WH         | 165       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 18,100               | 112   | Std    | -       |
| 74823       | LNHIBA1A/225UNVD840/A/WH         | 225       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 25,300               | 112   | Std    | -       |
| 74824       | LNHIBA1A/225UNVD850/A/WH         | 225       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 25,300               | 112   | Std    | -       |
| 74821       | LNHIBA1A/225UNVD840/W/WH         | 225       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 26,600               | 117   | Std    | -       |
| 74822       | LNHIBA1A/225UNVD850/W/WH         | 225       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 26,600               | 117   | Std    | -       |
| 74839       | LNHIBA1A/100UNVD840/A/WH (MTO)   | 100       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 13,000               | 127   | Std    | -       |
| 74840       | LNHIBA1A/100UNVD850/A/WH (MTO)   | 100       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 13,000               | 127   | Std    | -       |
| 74837       | LNHIBA1A/100UNVD840/W/WH (MTO)   | 100       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 12,900               | 127   | Std    | -       |
| 74838       | LNHIBA1A/100UNVD850/W/WH (MTO)   | 100       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 12,900               | 127   | Std    | -       |
| 74847       | LNHIBA1A/150UNVD840/A/WH (MTO)   | 150       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 19,100               | 130   | Prm    | -       |
| 74848       | LNHIBA1A/150UNVD850/A/WH (MTO)   | 150       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 19,100               | 130   | Prm    | -       |
| 74843       | LNHIBA1A/100UNVD840/A/WH/D (MTO) | 100       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 13,000               | 127   | Std    | Sensor  |
| 74844       | LNHIBA1A/100UNVD850/A/WH/D (MTO) | 100       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 13,000               | 127   | Std    | Sensor  |
| 74841       | LNHIBA1A/100UNVD840/W/WH/D (MTO) | 100       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 12,900               | 127   | Std    | Sensor  |
| 74842       | LNHIBA1A/100UNVD850/W/WH/D (MTO) | 100       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 12,900               | 127   | Std    | Sensor  |
| 74853       | LNHIBA1A/150UNVD840/A/WH/D (MTO) | 150       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 19,100               | 130   | Prm    | Sensor  |
| 74905       | LNHIBA1A/150UNVD850/A/WH/D (MTO) | 150       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 19,100               | 130   | Prm    | Sensor  |
| 74849       | LNHIBA1A/150UNVD840/W/WH/D (MTO) | 150       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 19,700               | 133   | Prm    | Sensor  |
| 74850       | LNHIBA1A/150UNVD850/W/WH/D (MTO) | 150       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 19,700               | 133   | Prm    | Sensor  |
| 74835       | LNHIBA1A/165UNVD840/A/WH/D (MTO) | 165       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 18,900               | 117   | Std    | Sensor  |
| 74836       | LNHIBA1A/165UNVD850/A/WH/D (MTO) | 165       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 18,900               | 117   | Std    | Sensor  |
| 74833       | LNHIBA1A/165UNVD840/W/WH/D (MTO) | 165       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 18,100               | 112   | Std    | Sensor  |
| 74834       | LNHIBA1A/165UNVD850/W/WH/D (MTO) | 165       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 18,100               | 112   | Std    | Sensor  |
| 74827       | LNHIBA1A/225UNVD840/A/WH/D (MTO) | 225       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 25,300               | 112   | Std    | Sensor  |
| 74828       | LNHIBA1A/225UNVD850/A/WH/D (MTO) | 225       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 25,300               | 112   | Std    | Sensor  |
| 74825       | LNHIBA1A/225UNVD840/W/WH/D (MTO) | 225       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 26,600               | 117   | Std    | Sensor  |
| 74826       | LNHIBA1A/225UNVD850/W/WH/D (MTO) | 225       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 26,600               | 117   | Std    | Sensor  |

\*Standard lead time for made to order (MTO) is 4-5 weeks. Lead time for 150W Aisle distribution (MTO) is 2-3 weeks.

\*\*LPW per LM79 report

\*\*\*Prm for DLC Premium; Std for DLC Standard

For further information and to learn more about utility rebates, contact your local SYLVANIA sales representative.

## Options Information

**Sensor:** Motion and Daylight sensors are both available.

### Motion Sensor (Default Setting):

|                       |                   |
|-----------------------|-------------------|
| Motion                | 100% lumen output |
| ≥5min with no motion  | 10% lumen output  |
| ≥60min with no motion | Off               |

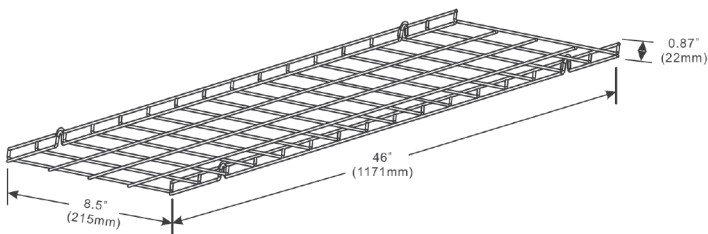
**Daylight (Default Setting)** Disabled

Purchase remote control to create a preferred setting.

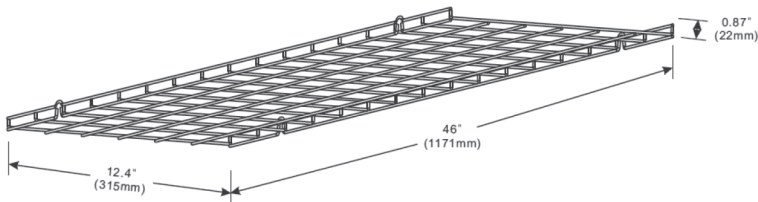
## Accessories

| Item Number | Ordering Abbreviation | Item Description                            |
|-------------|-----------------------|---|
| 71758       | SENSOR1A/REMOTE/D     | Sensor Remote                               |
| 74597       | LNHIBA1A/08IN/WG/WH   | Wire guard for 100W, 150W and 165W versions |
| 74598       | LNHIBA1A/12IN/WG/WH   | Wire guard for 225W versions                |

### 100W, 150W, 165W Wire Guard



### 225W Wire Guard



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