

# SYLVANIA

## LEDVANCE Luminaires

### Linear High Bay



#### Product Features

The Linear High Bay luminaires are environmentally preferable LED alternatives to traditional 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 ( $\geq 100,000$  hours  $L_{70}$ ).

#### 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 54T5H0      | 220                        | 150                | 32%            |
| 8-Lamp 32T8        | 224                        | 150                | 33%            |
| 250W MH            | 290                        | 150                | 48%            |
| 250W HPS           | 295                        | 150                | 49%            |
| 4-lamp 54T5H0      | 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 54T5H0      | 350                        | 225                | 36%            |
| 320W MH            | 370                        | 225                | 39%            |
| 400W HPS           | 460                        | 225                | 51%            |
| 400W MH            | 450                        | 225                | 50%            |

#### Ordering Guide

Item Number:

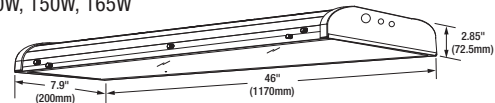
| LNHIBA       | 1A         | / | XXX                                                                       | XXX            | D         | 8       | XX                       | / | X                                                | / | WH           | / | X                                  |
|--------------|------------|---|---------------------------------------------------------------------------|----------------|-----------|---------|--------------------------|---|--------------------------------------------------|---|--------------|---|------------------------------------|
| 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

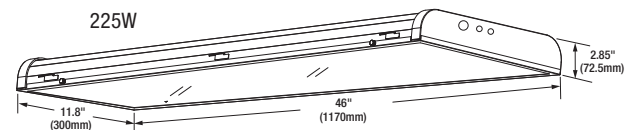
|             |      |
|-------------|------|
| Catalog #   | Type |
| Project     |      |
| Notes       |      |
| Date        |      |
| Prepared by |      |

#### 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  $\geq 100,000$  hours at  $L_{70}$  @25°C. Luminaire efficacy up to 130 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  $\geq 90\%$  and THD is  $\leq 20\%$ .

**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. (Chain 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.



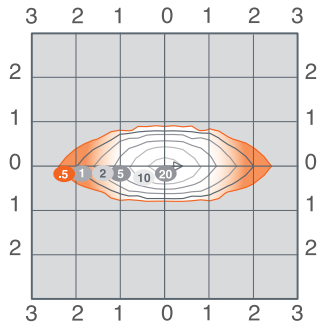
# SYLVANIA



## Photometric Data

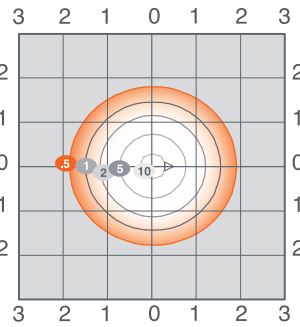
### LNHIBA1A/100UNVD840/A/WH

#### Isofootcandle Lines at 20' Mounting Height



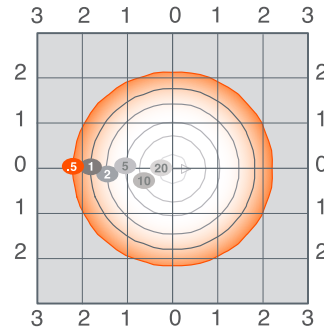
### LNHIBA1A/100UNVD840/W/WH

#### Isofootcandle Lines at 20' Mounting Height



### LNHIBA1A/225UNVD840/W/WH

#### Isofootcandle Lines at 20' Mounting Height



For other wattage 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** | Options |
|-------------|-----------------------------------|-----------|---------------|---------|-----|------------------|---------|----------------------|-------|---------|
| 74845       | LNHIBA1A/150UNVD840/W/WH          | 150       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 18,000               | 130   |         |
| 74846       | LNHIBA1A/150UNVD850/W/WH          | 150       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 18,000               | 130   |         |
| 74829       | LNHIBA1A/165UNVD840/W/WH          | 165       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 18,000               | 110   |         |
| 74830       | LNHIBA1A/165UNVD850/W/WH          | 165       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 18,000               | 110   |         |
| 74821       | LNHIBA1A/225UNVD840/W/WH          | 225       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 24,000               | 110   |         |
| 74822       | LNHIBA1A/225UNVD850/W/WH          | 225       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 24,000               | 110   |         |
| 74837       | LNHIBA1A/100UNVD840/W/WH (MTO)*   | 100       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 12,000               | 130   |         |
| 74838       | LNHIBA1A/100UNVD850/W/WH (MTO)*   | 100       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 12,000               | 130   |         |
| 74839       | LNHIBA1A/100UNVD840/A/WH (MTO)*   | 100       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 12,000               | 130   |         |
| 74840       | LNHIBA1A/100UNVD850/A/WH (MTO)*   | 100       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 12,000               | 130   |         |
| 74847       | LNHIBA1A/150UNVD840/A/WH (MTO)*   | 150       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 18,000               | 130   |         |
| 74848       | LNHIBA1A/150UNVD850/A/WH (MTO)*   | 150       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 18,000               | 130   |         |
| 74831       | LNHIBA1A/165UNVD840/A/WH (MTO)*   | 165       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 18,000               | 110   |         |
| 74832       | LNHIBA1A/165UNVD850/A/WH (MTO)*   | 165       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 18,000               | 110   |         |
| 74823       | LNHIBA1A/225UNVD840/A/WH (MTO)*   | 225       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 24,000               | 110   |         |
| 74824       | LNHIBA1A/225UNVD850/A/WH (MTO)*   | 225       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 24,000               | 110   |         |
| 74841       | LNHIBA1A/100UNVD840/W/WH/D (MTO)* | 100       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 12,000               | 130   | Sensor  |
| 74842       | LNHIBA1A/100UNVD850/W/WH/D (MTO)* | 100       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 12,000               | 130   | Sensor  |
| 74843       | LNHIBA1A/100UNVD840/A/WH/D (MTO)* | 100       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 12,000               | 130   | Sensor  |
| 74844       | LNHIBA1A/100UNVD850/A/WH/D (MTO)* | 100       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 12,000               | 130   | Sensor  |
| 74849       | LNHIBA1A/150UNVD840/W/WH/D (MTO)* | 150       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 18,000               | 130   | Sensor  |
| 74850       | LNHIBA1A/150UNVD850/W/WH/D (MTO)* | 150       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 18,000               | 130   | Sensor  |
| 74853       | LNHIBA1A/150UNVD840/A/WH/D (MTO)* | 150       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 18,000               | 130   | Sensor  |
| 74905       | LNHIBA1A/150UNVD850/A/WH/D (MTO)* | 150       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 18,000               | 130   | Sensor  |
| 74833       | LNHIBA1A/165UNVD840/W/WH/D (MTO)* | 165       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 18,000               | 110   | Sensor  |
| 74834       | LNHIBA1A/165UNVD850/W/WH/D (MTO)* | 165       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 18,000               | 110   | Sensor  |
| 74835       | LNHIBA1A/165UNVD840/A/WH/D (MTO)* | 165       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 18,000               | 110   | Sensor  |
| 74836       | LNHIBA1A/165UNVD850/A/WH/D (MTO)* | 165       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 18,000               | 110   | Sensor  |
| 74825       | LNHIBA1A/225UNVD840/W/WH/D (MTO)* | 225       | 120-277V      | 0-10V   | >80 | 4000K            | Frosted | 24,000               | 110   | Sensor  |
| 74826       | LNHIBA1A/225UNVD850/W/WH/D (MTO)* | 225       | 120-277V      | 0-10V   | >80 | 5000K            | Frosted | 24,000               | 110   | Sensor  |
| 74827       | LNHIBA1A/225UNVD840/A/WH/D (MTO)* | 225       | 120-277V      | 0-10V   | >80 | 4000K            | Clear   | 24,000               | 110   | Sensor  |
| 74828       | LNHIBA1A/225UNVD850/A/WH/D (MTO)* | 225       | 120-277V      | 0-10V   | >80 | 5000K            | Clear   | 24,000               | 110   | Sensor  |

\*Standard lead time for made to order (MTO) is 4-5 weeks.

\*\*LPW per LM79 report

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

## LEDVANCE LLC

200 Ballardvale Street

Wilmington, MA 01887 USA

Phone 1-800-LIGHTBULB (1-800-544-4828)

www.sylvania.com

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