

SYLVANIA Lamps

ULTRA LED™ CCT and Lumen Selectable High Bay Retrofit

Application

ULTRA LED High Bay lamps are ideal replacements for HID indoor high bay applications including retail, factory, garage, warehouse, and other industrial settings.

Benefits and Features

- IP64, enclosed, and damp ratings ensures a durable fixture suitable for many environments
- CCT selectability increases the versatility of this product and facilitates easier inventory management
- The four panels are adjustable up to 90 degrees allowing for customizable light
- Lasts up to 5x longer than HID lamps
- No warm-up time, instant on with full light output and stable color
- Consumes up to 76% less energy than equivalent HID lamps while delivering same light output
- Replacement for 175W-400W HID applications
- Up to 159 LPW
- 3000K, 4000K or 5000K color temperature
- CRI >80
- Offered in two wattage selectable models (60, 70 or 80W and 80, 100 or 120W)
- 117° distribution
- Energy savings up to 73%

Electrical

- 120-277V_{AC}
- Power Factor >90%
- THD <20%
- Step dimming capability when paired with optional motion/daylight sensor and remote control

Rated Life

- 50,000 hours (L₇₀)

Warranty

- 5-year
- NLB Trusted Warranty Program

Ambient Operating Range

- -40°F to +122°F (-40°C to +50°C)



Wattage Comparison

| Traditional Source | Traditional System Wattage | LED System Wattage | Energy Savings | Energy Savings Over Lamp Life |
|--------------------|----------------------------|--------------------|----------------|-------------------------------|
| HID Metal Halide | 175W | 60W | 74% | \$633 |
| HID Metal Halide | 250W | 80W | 73% | \$935 |
| HID Metal Halide | 400W | 100W | 76% | \$1650 |
| HID Metal Halide | 400W | 120W | 69% | \$1540 |

*Energy savings over life of lamp calculated at \$0.11/kWh

Certifications and Listings

- cULus
- RoHS
- FCC
- DLC Standard
- IP64

Installation

- Requires easy ballast bypass
- Lamp operates directly on line voltage, 120-277V_{AC}



LED571R2 9-23



Specification Data

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

Ordering Guide

| LED | XXX | HIBAY | UNV | 8 | SC2 | WH | MOG |
|----------------------|---|--|--------------|---------|--|------------|------------------|
| Product Name | Wattage | Application | Voltage | CRI | Color Temperature | Finish | Base Type |
| LED = LED Technology | 80 = 60, 70 or 80 watt selectable 120 = 80, 100 or 120 watt selectable | HIBAY = Intended for High Bay Applications | UNV=120-277V | 8 = >80 | SC2 = Color Selectable 3000, 4000, or 5000K | WH = White | MOG = Mogul Base |

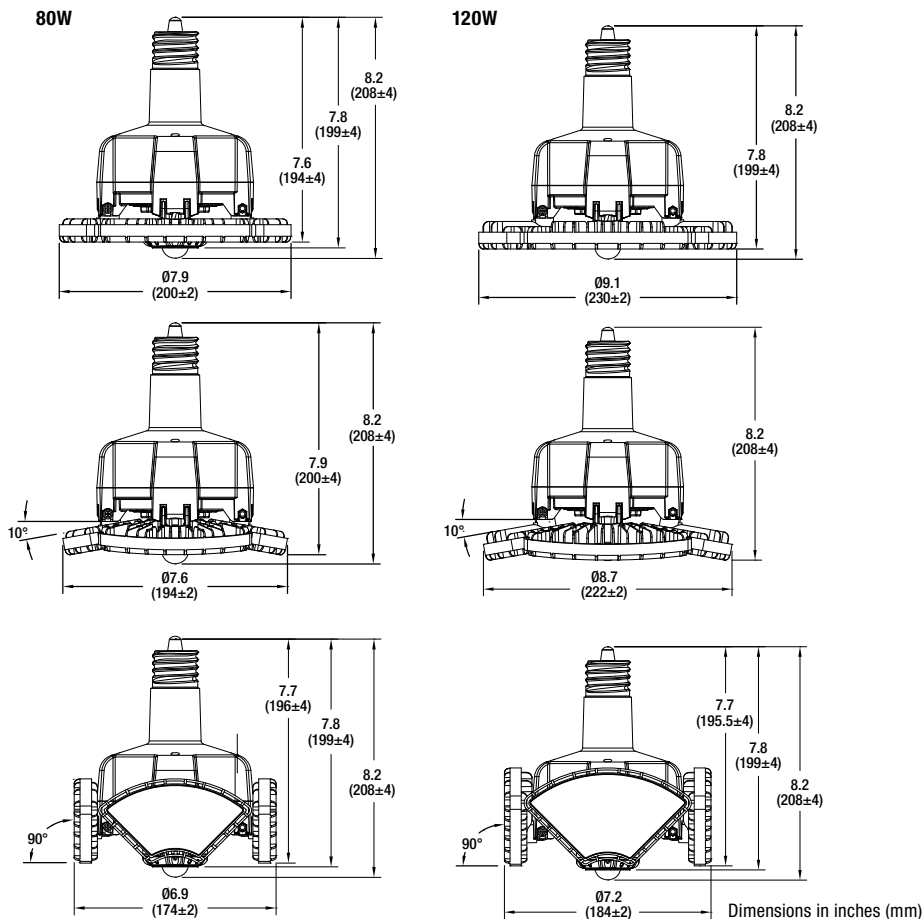
Wattage Selectable Range per Color Temperature

| Item Number | LED | Wattage Selected | CCT Selectable | | | | | |
|-------------|-------------------------|------------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|
| | | | 3000K | | 4000K | | 5000K | |
| | | | Total Lumens (lm) | Efficacy (LPW) | Total Lumens (lm) | Efficacy (LPW) | Total Lumens (lm) | Efficacy (LPW) |
| 41411 | LED80HIBAYUNV8SC2WHMOG | 80W | 11,034 | 138 | 11,758 | 147 | 11,570 | 145 |
| | | 70W | 10,119 | 145 | 10,742 | 153 | 10,633 | 152 |
| | | 60W | 8975 | 150 | 9556 | 159 | 9459 | 158 |
| 41412 | LED120HIBAYUNV8SC2WHMOG | 120W | 16,525 | 138 | 17,648 | 147 | 17,446 | 145 |
| | | 100W | 14,794 | 148 | 15,665 | 157 | 15,572 | 156 |
| | | 80W | 11,926 | 149 | 12,686 | 159 | 12,742 | 159 |

Ordering Information

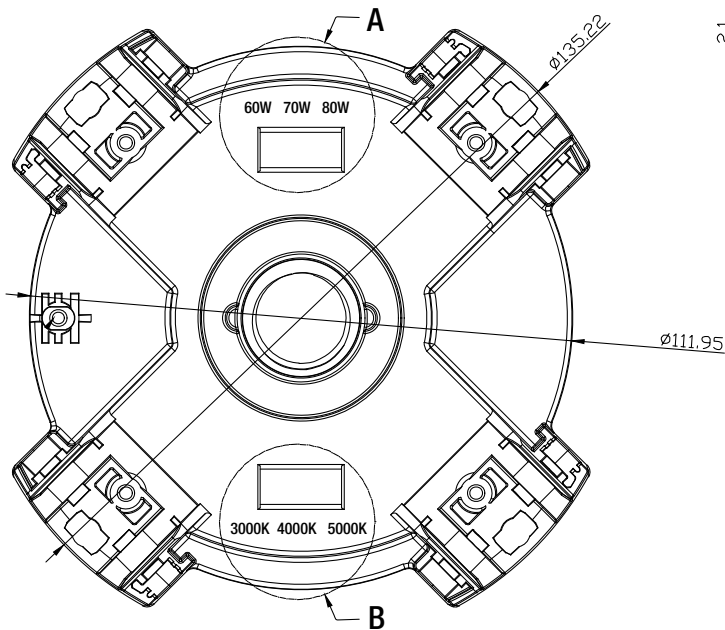
| Item Number | Ordering Abbreviation | Total Wattage (W) | Input Voltage (V) | Dimming | CRI | Color Temperature | Distribution | Total Fixture Lumens (lm) | LPW | DLC | DLC Number |
|-------------|-------------------------|-------------------|-------------------|---------|-----|---------------------|--------------|---------------------------|-----------|-----|------------|
| 41411 | LED80HIBAYUNV8SC2WHMOG | 60, 70 or 80 | 120-277 | 0-10V | >80 | 3000, 4000 or 5000K | 117° | up to 12,480 | up to 156 | Std | S-7E8WM1 |
| 41412 | LED120HIBAYUNV8SC2WHMOG | 80, 100 or 120 | 120-277 | 0-10V | >80 | 3000, 4000 or 5000K | 117° | up to 18,240 | up to 152 | Std | S-E2PGKJ |

Physical Information

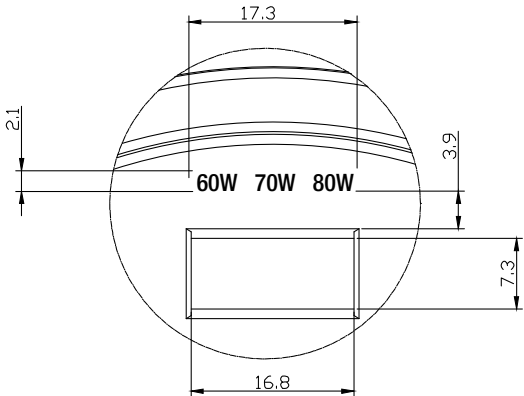


Location of CCT/Lumen Selectable Switches

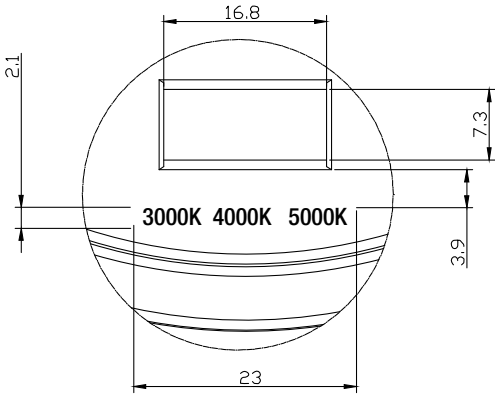
41411



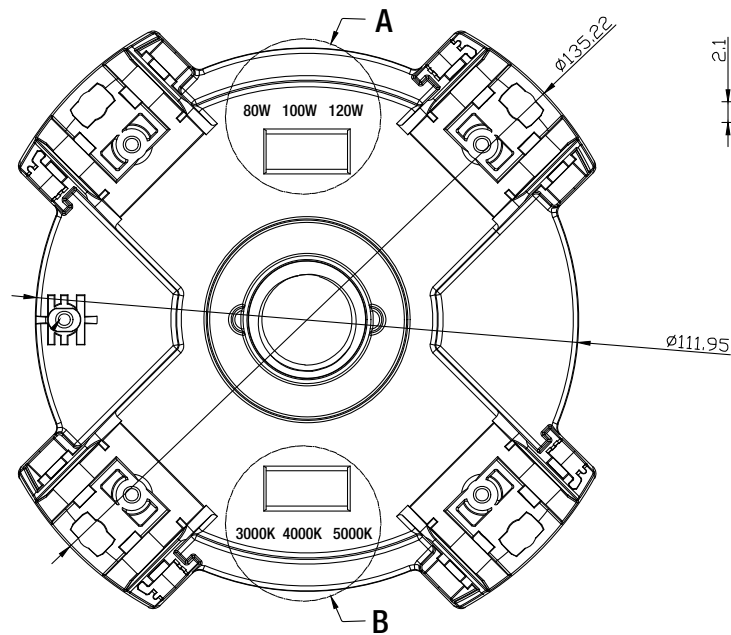
(A) Lumen Selectable Switch



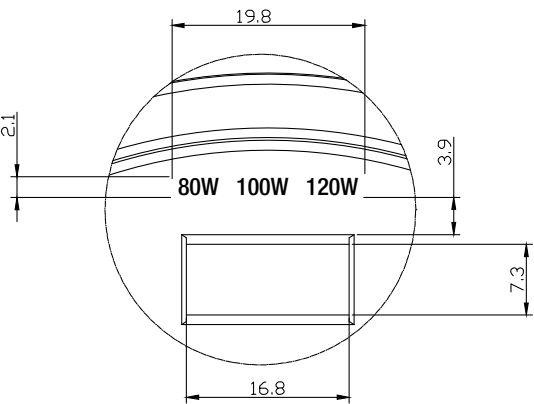
(B) CCT Selectable Switch



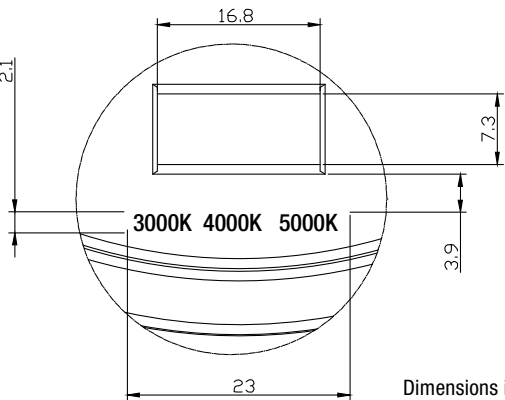
41412



(A) Lumen Selectable Switch



(B) CCT Selectable Switch



Note: all products will arrive set to default at 4000K and at 70 or 100W.

Dimensions in mm

Accessories

| Item Number | Ordering Abbreviation | Description |
|-------------|----------------------------------|---|
| 41146 | LED/HIDR/SENSORMICROWAVE/MOT/DAY | Microwave sensor for HIDr products |
| 41145 | LED/HIDR/REMOTE | Remote Control for sensor NAED 41146 |
| 63652 | SENSORADAPTOR1A | Sensor adaptor, needed for to incorporate 62634 |
| 62634 | SENSORHBP1RAUX12VBLE | Sensor to enable LEDVANCE LINK compatibility |
| 62636 | WALLSWITCH5KEYBLE | Bluetooth Mesh Low Voltage 5 Button Switch |

Sensor



Remote



Safety Cable*



*included with every 80W, 100W or 120W unit

Sensor Adaptor



Sensor Adaptor + 41411 + Ledvance Link Sensor



Sensor Features



On/off control



Detection area



Hold time



Daylight sensor



Standby period



Standby dimming level



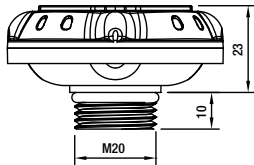
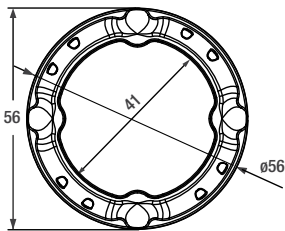
Remote control setting



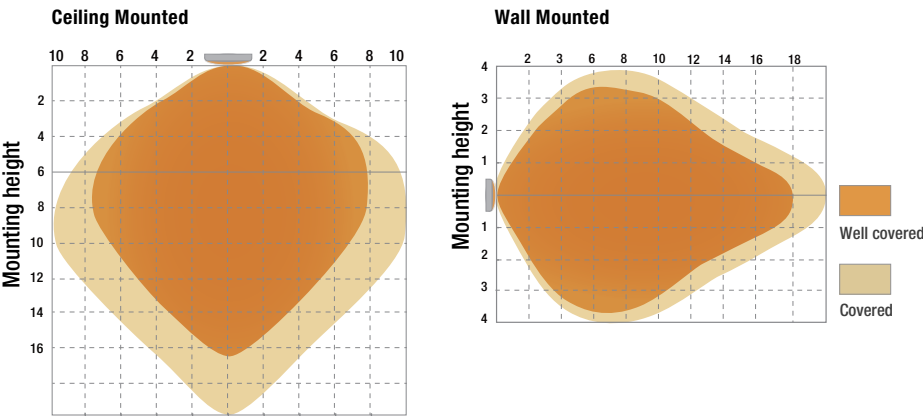
10-15m high bay altitude

- Microwave motion & daylight sensor operating frequency: 5.8GHz (enables energy savings)
- Dual PD technology: Differentiates between artificial light brightness from natural light. Automatically turns off the light when ambient brightness exceeds present lux level.
- Plug & Play: 3 Pins, 12V, <0.5W standby power
- Detection area: Angle: 30° to 150°, Height: 49.2ft (ceiling mount)
- Superior construction: IP65 Rating
- Brightness: 70%/80%/90%/100%
- Mounting height: Max. 49.2ft (ceiling mounted)
- Detection range: ø49.2ft (ceiling mounted), Max. 65.6ft (wall mounted)
- Operating temperature: -14°F to +140°F (-25°C to +60°C)

Sensor Dimensions



Detection Coverage*



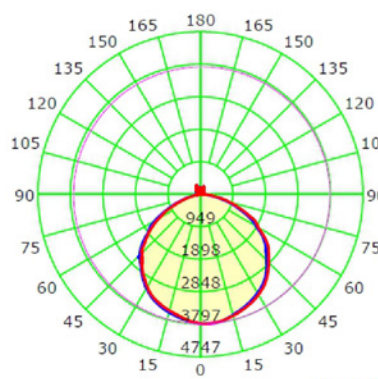
* Range listed in meters

Remote Control Features

- Enables changing settings later after initial installation
- Selection from wider options for each of following features:
 - ON/OFF
 - Detection Area
 - Sensitivity
 - Hold Time: The period for which light brightness is at 100% after moving objects leave the detection area
 - Standby Dimming Level: Low light output level in the standby period
 - Standby Period: The period for which light brightness is at low output before it's completely switched off
 - Daylight Threshold

Photometric Information

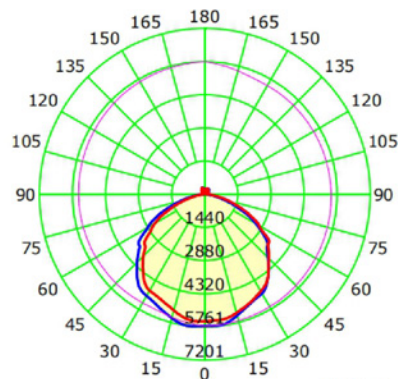
80W



Average Diffuse Angle(50%): 114.3°

— C0-C180 — C90-C270 — G5

120W

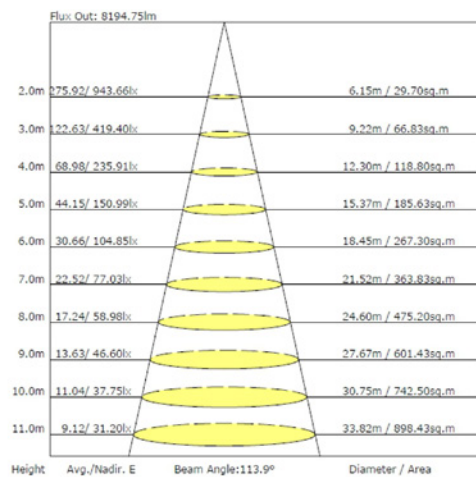


Average Diffuse Angle(50%): 117.2°

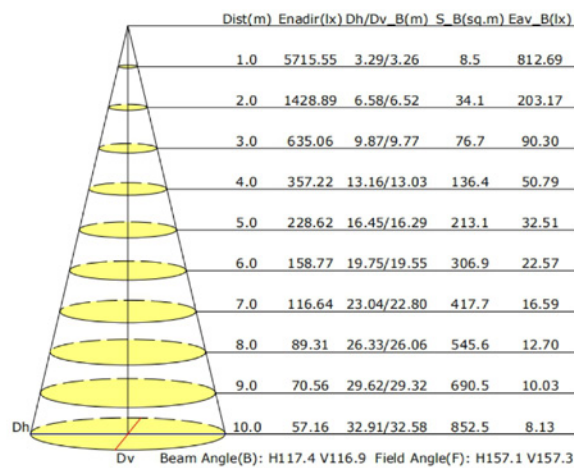
— C0-C180 — C90-C270 — G7

Illuminance Information

80W



120W



Additional Specifications

- Suitable for enclosed and open fixtures
- Suitable for damp locations
- CEC exempt

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