

# SYLVANIA Lamps

## ULTRA LED™ High Wattage 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

- Lasts up to 5x longer than HID lamps
- No warm-up time, instant on with full light output and stable color
- Consumes up to 70% less energy than equivalent HID lamps while delivering same light
- Replacement for 320W-750W HID applications
- Up to 156 LPW
- 4000K or 5000K color temperature
- CRI >80
- Offered in 140 and 160 watts
- 110° beam angle
- Energy savings up to 81%

### Electrical

- 120-277VAC
- Power Factor >90%
- THD <20%
- Optional Motion/PIR Sensor available
- 6kV surge suppressor

### Rated Life

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

### 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
320W MH	370	140	62%
400W HPS	460	140	70%
400W MH	450	140	69%
400W MH	450	160	65%

### Certifications and Listings

- cULus\*
- RoHS
- FCC
- DLC Premium
- IP64
- Damp Rated

\*UL1598C and UL1993

### Installation

- Requires easy ballast bypass
- Lamp operates directly on line voltage, 120-277VAC



## Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

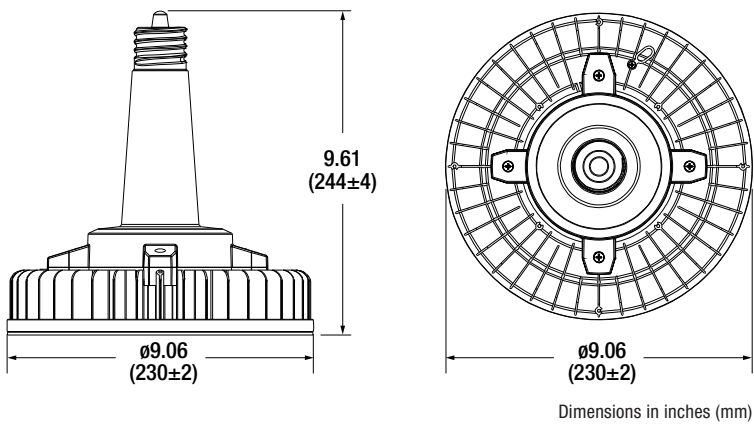
## Ordering Guide

LED	XXX	HIBAY	UNV	8	XX	WH	MOG
Product Name	Wattage	Application	Voltage	CRI	Color Temperature	Color / Finish	Base Type
LED = LED Technology	140 = 140 Watts 160 = 160 Watts	HIBAY = Intended for High Bay Applications	UNV=120-277V	8 = >80	40 = 4000K 50 = 5000K	WH = White	MOG = Mogul Base

## Ordering Information

Item Number	Ordering Abbreviation	Total Wattage (W)	Input Voltage (V)	CRI	Color Temperature	Distribution (Beam Angle)	Total Fixture Lumens (lm)	LPW	DLC
41413	LED140HIBAYUNV840WHMOG	140	120-277	>80	4000K	110°	19,600	140	Premium
41414	LED140HIBAYUNV850WHMOG	140	120-277	>80	5000K	110°	20,300	145	Premium
41415	LED160HIBAYUNV840WHMOG	160	120-277	>80	4000K	110°	23,200	145	Premium
41416	LED160HIBAYUNV850WHMOG	160	120-277	>80	5000K	110°	25,000	156	Premium

## Physical Information



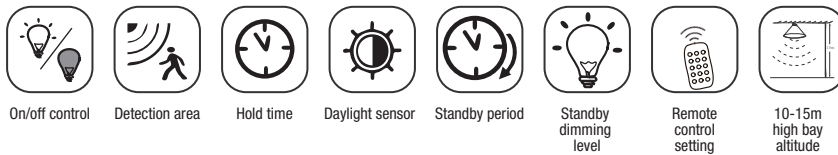
## Accessories

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



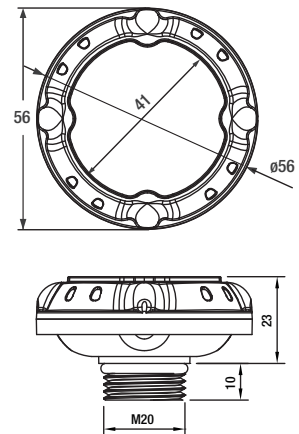
\*included with every 80W, 100W or 120W unit

## Sensor Features

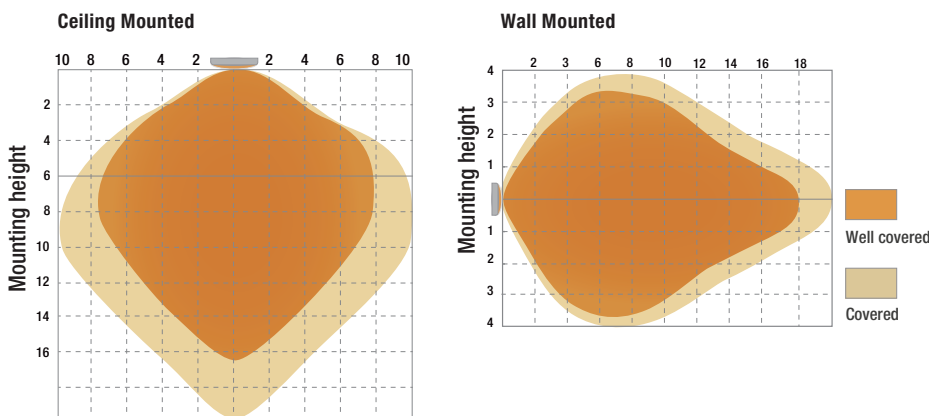


- Microwave motion & daylight sensor operating frequency: 5.8GHz (enables energy savings)
- Dual PD technology: Differentiates between artificial light brightness from natural light. Automatically turns off the light when ambient brightness exceeds present lux level.
- Plug & Play: 3 Pins, 12V, <0.5W 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:  $\varnothing$ 49.2ft (ceiling mounted), Max. 65.6ft (wall mounted)
- Operating temperature: -14°F to +140°F (-25°C to +60°C)

## Sensor Dimensions



## Detection Coverage\*



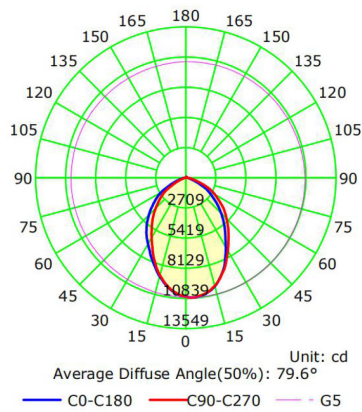
\* Range listed in meters

## Remote Control Features

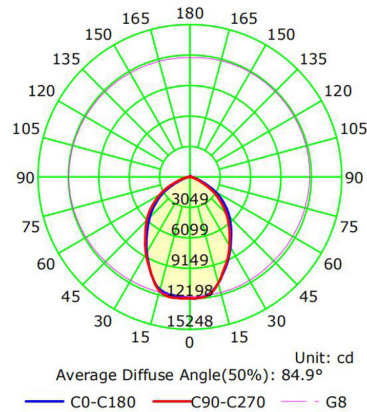
- Enables changing settings later after initial installation
- Selection from wider options for each of following features:
  - ON/OFF
  - Detection Area
  - Sensitivity
  - Hold Time: The period for which light brightness is at 100% after moving objects leave the detection area
  - Standby Dimming Level: 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

140W

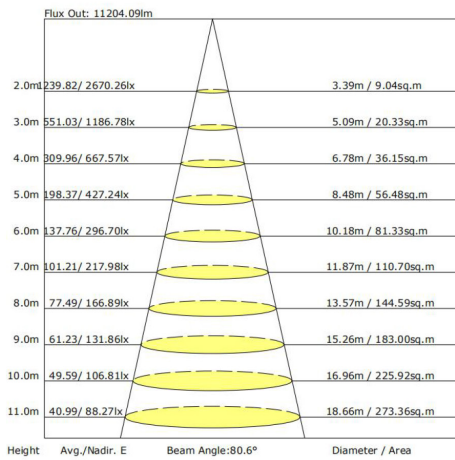


160W

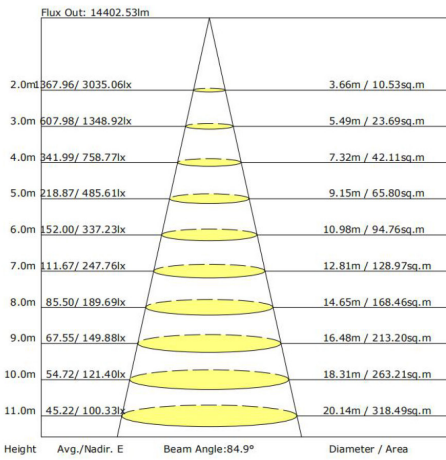


## Illuminance Information

140W



160W



### Additional Specifications

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

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