SYLVANIA LEDVANCE Luminaires High Bay



Product Features

The 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 High Bay series is offered in two wattages/lumen packages for use in warehouses, manufacturing facilities, big-box retail, gymnasiums, and loading docks.

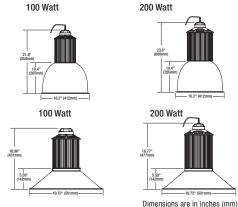
The polycarbonate refractor minimizes the cave effect while the aluminum reflector maintains the type V distribution with a wider distribution. With both optics, the luminaire remains light weight with a traditional design. LEDVANCE luminaires assure optimum light engine performance for extended service and rated life (≥63,000 hours L₇₀).

Wattage Comparison Chart

Traditional Source	Traditional System Wattage	LED System Wattage	Energy Savings
250W MH	290	100	66%
250W HPS	295	100	66%
320W MH	370	200	46%
400W HPS	460	200	57%
400W MH	450	200	56%

Catalog #	Туре
Project	
Notes	
Date	
Prepared by	

Dimensions



Specifications

Weight: 100W: UNV: 9.5lbs (4.3kg) 347V/HUV: 10.3lbs (4.7kg) 200W: UNV: 12.5lbs (5.7kg) 347V/HUV: 13lbs (5.9kg)

Construction: Two-piece cast, low copper (<0.4% Cu) aluminum alloy with powder coat paint and IK08 UV stabilized polycarbonate refractor or aluminum reflector. The standard color is gray.

LED System: LED system with a life rating of \geq 63,000 hours at L₇₀ @25°C. Luminaire efficacy up to 114 LPW.

Electrical: Offered in 100 and 200 Watts, the luminaire is designed to operate through 120-277, 347 or 347-480 Vac voltage. The LED driver has a 4kV inherent surge suppression and is a constant current device, meeting UL1310 and UL48 Class 1 with built-in over temperature protection. The power factor is \ge 90% and THD is \le 20%. Dimming: The driver is 0-10V dimmable (down to 16%). Please reference the dimmer compatibility document (LEDLUM012).

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

Optics: Type V distribution with a 16 inch polycarbonate open refractor. (Bottom lens accessory available.) Type V distribution with a 20 inch aluminum reflector. Installation: Luminaire mounts via hook with 6-foot cable (included).

Operating Temperature: -40°F to +104°F (-40°C to +40°C).

Listings: cULus listed to UL1598 standards for damp locations.

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

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



Ordering Guide

Item Number:

HIBAY	1A	1	ХХХ	XXX	D	8	ХХ	1	GR	1	x
	Generation 1A		Wattage 100 = 100 Watts 200 = 200 Watts	Voltage UNV = 120-277V 347 = 347V	Dimming $D = 0-10V$	CRI 8 =>80	Color Temp (CCT) 40 = 4000K 50 = 5000K		Color/Finish GR = Gray		Blank = No option
HLIV is made to order (MTO)			200 – 200 Matto	$HUV = 347-480V^$			00 - 00001				

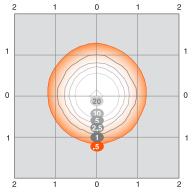


'HUV is made to order (MTO)

Photometric Data (UNV/347V/HUV)

HIBAY1A/100UNVD850

Isofootcandle Lines at 20' Mounting Height

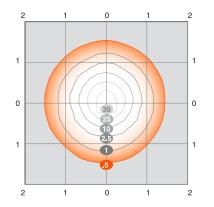


For other mounting heights apply the following multipliers:

Mounting Height	18'	20'	22'	25'	30'
Multiplier	1.23	1.00	0.83	0.64	0.44

HIBAY1A/200UNVD850

Isofootcandle Lines at 20' Mounting Height



Mounting Height	18'	20'	22'	25'	30'
Multiplier	1.23	1.00	0.83	0.64	0.44

Ordering Information

Housing (A)

						Color	Total	Fixture		
Item	Ordering	Power	Input			Temp	Lume	ns	LPV	I *
Number	Abbreviation	(W)	Voltage	Dimming	CRI	(CCT)	Refractor	Reflector	Refractor	Reflector
74230	HIBAY1A/100UNVD840/GR	100	120-277V	0-10V	>80	4000K	10,800	11,000	108	108
74231	HIBAY1A/100UNVD850/GR	100	120-277V	0-10V	>80	5000K	10,800	10,800	108	108
74232	HIBAY1A/200UNVD840/GR	200	120-277V	0-10V	>80	4000K	20,600	20,100	103	106
74233	HIBAY1A/200UNVD850/GR	200	120-277V	0-10V	>80	5000K	20,600	20,500	103	107
74269	HIBAY1A/100347D840/GR	100	347V	0-10V	>80	4000K	10,800	11,000	108	108
74270	HIBAY1A/100347D850/GR	100	347V	0-10V	>80	5000K	10,800	10,800	108	108
74271	HIBAY1A/200347D840/GR	200	347V	0-10V	>80	4000K	20,600	20,100	103	106
74272	HIBAY1A/200347D850/GR	200	347V	0-10V	>80	5000K	20,600	20,500	103	107
74509	HIBAY1A/100HUVD840/GR (MTO)	100	347-480V	0-10V	>80	4000K	10,800	10,500	108	109
74510	HIBAY1A/100HUVD850/GR (MTO)	100	347-480V	0-10V	>80	5000K	10,800	10,900	108	114
74511	HIBAY1A/200HUVD840/GR (MT0)	200	347-480V	0-10V	>80	4000K	20,600	20,300	103	105
74512	HIBAY1A/200HUVD850/GR (MT0)	200	347-480V	0-10V	>80	5000K	20,600	20,600	103	105

*LPW per LM79 report.

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

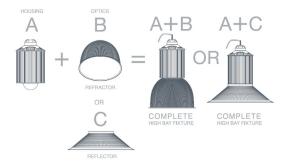
Optics (B or C)

Item	Ordering	Item	
Number	Abbreviation	Description	Optic
74234	HIBAY1A/16H5	16 inch Polycarbonate Refractor (IK08)	В
74395	HIBAY1A/20AL5	20 inch Aluminum Reflector (IK08)	С

Accessories and Replacement Parts

Item Number	Ordering Abbreviation	Item Description
74449	HIBAY1A/BOTTOMLENS/16H5	Refractor Bottom Lens

Housing (A) + Optics (B or C) =



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