

SYLVANIA Luminaires

High Bay



Product Features

- Lightweight, impact resistant fixture is designed for easy and safe installation
- Traditional design with multiple optic choices that enhance lumen output
- 1 for 1 replacement up to 1000W MH/HPS fixture and wide operating temperature

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%
750W MH	820	300	63%
750W HPS	840	300	64%
1000W MH	1080	300	72%
1000W HPS	1100	300	73%

Ordering Guide

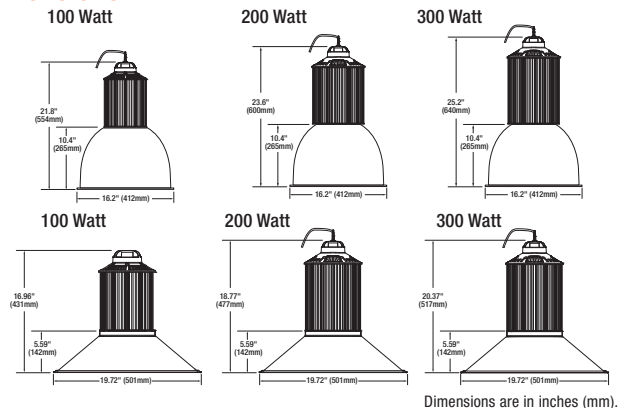
Item Number:

HIBAY	1A	/	XXX	XXX	D	8	XX	/	GR	/	X
Product Name	Generation		Wattage	Voltage	Dimming	CRI	Color Temp (CCT)		Color/Finish		Options
HIBAY	1A		100 = 100 Watts 200 = 200 Watts 300 = 300 Watts	UNV = 120-277V 347 = 347V HUV = 347-480V*	D = 0-10V	8 = >80	40 = 4000K 50 = 5000K		GR = Gray		Blank = No Option E = Emergency

*HUV is made to order (MTO)

Catalog #	Type
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)
 300W: UNV: 15.5lbs (7kg)

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 ≥63,000 hours (100W and 347V versions), ≥73,000 hours (300W versions), or ≥150,000 hours (200W and HUV versions) at L₇₀ @25°C. Luminaire efficacy up to 125 LPW.

Electrical: Offered in 100, 200 and 300 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 ≥90% and THD is ≤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 flying lead cable (included).

Operating Temperature: 100W/200W (UNV/HUV): -40°F to +122°F (-40°C to +50°C).
 300W: -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).

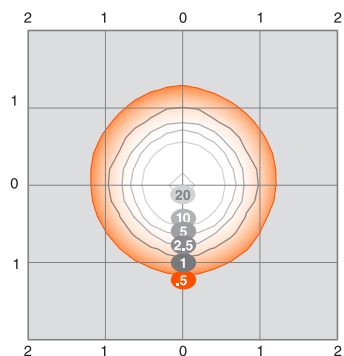
Note: Specifications subject to change without notice. IES files available online.



Photometric Data (UNV/347V/HUV)

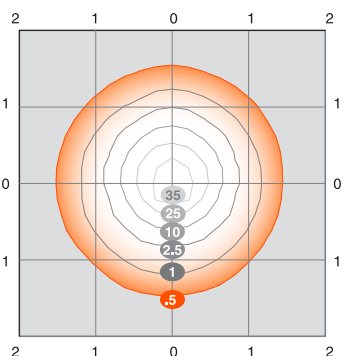
HIBAY1A/100UNVD850

Isofootcandle Lines at 20' Mounting Height



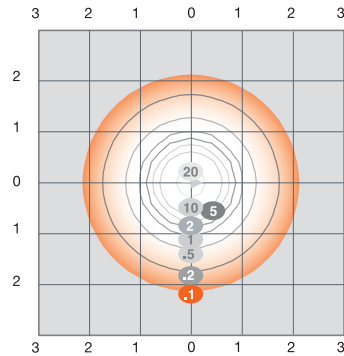
HIBAY1A/200UNVD850

Isofootcandle Lines at 20' Mounting Height



HIBAY1A/300UNVD850

Isofootcandle Lines at 30' 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

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Multiplier	1.23	1.00	0.83	0.64	0.44

Mounting Height	22'	25'	30'	32'	35'
Multiplier	1.86	1.44	1.00	0.88	0.73

*Photometric data based on housing with refractor.

Ordering Information

Housing (A)

Item Number	Ordering Abbreviation	Power (W)	Input Voltage	Dimming	CRI	Color Temp (CCT)	Total Fixture Lumens		LPW*		DLC**		Options
							Refractor	Reflector	Refractor	Reflector	Refractor	Reflector	
74230	HIBAY1A/100UNVD840/GR	100	120-277V	0-10V	>80	4000K	10,800	11,000	108	108	Std	Std	-
74231	HIBAY1A/100UNVD850/GR	100	120-277V	0-10V	>80	5000K	10,800	10,800	108	108	Std	Std	-
74232	HIBAY1A/200UNVD840/GR	200	120-277V	0-10V	>80	4000K	22,200	22,500	114	116	Std	Std	-
74233	HIBAY1A/200UNVD850/GR	200	120-277V	0-10V	>80	5000K	22,500	22,900	115	116	Std	Std	-
74515	HIBAY1A/200UNVD840/GR/E	200	120-277V	0-10V	>80	4000K	22,200	22,500	114	116	Std	Std	Emergency
74516	HIBAY1A/200UNVD850/GR/E	200	120-277V	0-10V	>80	5000K	22,500	22,900	115	116	Std	Std	Emergency
71731	HIBAY1A/300UNVD840/GR	300	120-277V	0-10V	>80	4000K	33,300	34,200	109	112	Std	Std	-
71732	HIBAY1A/300UNVD850/GR	300	120-277V	0-10V	>80	5000K	33,700	34,800	110	113	Std	Std	-
74269	HIBAY1A/100347D840/GR	100	347V	0-10V	>80	4000K	10,800	11,000	108	108	Std	Std	-
74272	HIBAY1A/200347D850/GR	200	347V	0-10V	>80	5000K	20,600	20,500	103	107	-	-	-
74509	HIBAY1A/100HUV840/GR	100	347-480V	0-10V	>80	4000K	10,800	10,500	108	109	Std	Std	-
74510	HIBAY1A/100HUV850/GR	100	347-480V	0-10V	>80	5000K	10,800	10,900	108	114	Std	Std	-
74511	HIBAY1A/200HUV840/GR	200	347-480V	0-10V	>80	4000K	23,300	23,700	123	125	Std	Std	-
74512	HIBAY1A/200HUV850/GR	200	347-480V	0-10V	>80	5000K	23,100	23,400	122	124	Std	Std	-

*LPW per LM79 report.

**Std for DLC Standard.

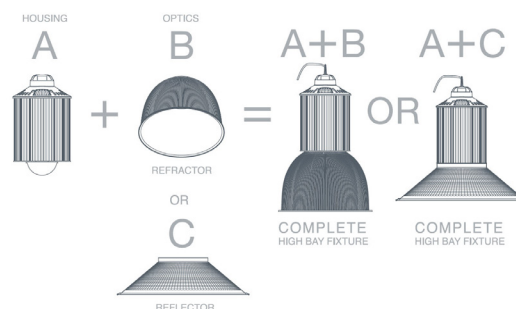
Optics (B or C)

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

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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Specifications subject to change without notice.

