



High Bay Round High Voltage



LL-HBRHV

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The LITELUME™ LED High Bay Round High Voltage (LL-HBRHV) is a premium round LED high bay luminaire for industrial applications where high voltage 277-480V is required. This versatile fixture features field selectable CCT and power, plug and play audio jack, and is sensor-ready for easy field installation. Featuring a robust stylish design while upholding maximum durability and reliability.



PERFORMANCE DATA

Lumen Output	16,000 - 36,000 lm
Lumens Per Watt (typical)	167 lm/W
CCT - Field Selectable	3000K 4000K 5000K
Lifespan	167,000 hrs

RATINGS & CERTIFICATES

UL Listed • Wet Location
FCC Part 15, Class A • IP65

APPLICATIONS

Gymnasiums • Food Processing • Grocery
Education • Fitness Centers • Warehouses
Manufacturing • Distribution • Wet Locations

FIXTURE INFORMATION

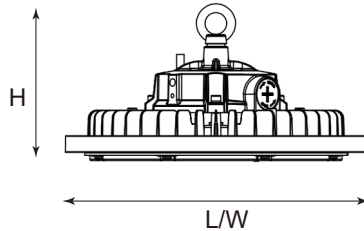
Size	Housing	Finish	Optics	Mounting		
101W - 244W	Die Cast Aluminum	Premium Powder Coat	- CRI > 80% - Polycarbonate Prismatic Lens	- Standard: Suspension from Eyebolt (Included) - Optional: Yoke Bracket (Ceiling or 1/2" NPS Conduit Mount) - Optional: Pendant Snap Hook (3/4" NPS Conduit)		
Electrical			Voltage	Operating Temp	Warranty	
6' Dimming Cord 6' AC Power Cord - Watertight Connectors			Standard: 277-480V	-40°F to 122°F	10 Years	
- Standard: 0-10V Dimming 6kV Surge Protection - PF > 0.9 ; THD < 20%						

* Consult your representative for Emergency back-up options available.



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DIMENSIONS



Model	L (in)	W (in)	H (in)	Weight (lbs)
LL-HBRHV-23L	11.02	11.02	5.92	5.53
LL-HBRHV-36L	13.47	13.47	5.92	7.29

LUMEN TABLES

Model	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
LL-HBRHV-23L	Lumens	15,094	16,174	15,763	17,449	19,136	18,575	20,752	23,100	22,312
	Watt	100.52	97.35	100.33	121.57	117.63	121.61	150	145.35	151.73
	Efficacy	150	166	157	144	163	153	138	159	147
Model	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
LL-HBRHV-36L	Lumens	22,629	24,134	23,477	28,018	30,888	29,864	32,917	36,442	35,027
	Watt	150.45	144.55	149.36	198.83	191.82	199.99	242.67	232.27	244.33
	Efficacy	150	167	157	141	161	149	136	157	143

ELECTRICAL DATA

Model	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		277V	347V	480V	277V	347V	480V	277V	347V	480V
LL-HBRHV-23L	3000K	0.36	0.29	0.21	0.44	0.35	0.25	0.54	0.43	0.31
	4000K	0.35	0.28	0.20	0.45	0.34	0.25	0.52	0.42	0.30
	5000K	0.36	0.29	0.21	0.44	0.35	0.25	0.55	0.44	0.32
Model	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		277V	347V	480V	277V	347V	480V	277V	347V	480V
LL-HBRHV-36L	3000K	0.54	0.43	0.31	0.72	0.57	0.41	0.88	0.70	0.51
	4000K	0.52	0.42	0.30	0.69	0.55	0.40	0.84	0.67	0.48
	5000K	0.54	0.43	0.31	0.72	0.58	0.42	0.88	0.70	0.51



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PHOTOMETRICS (LL-HBRHV-23L)

Luminaire Data		Zonal Lumen Summary			Polar Graph
Description	LL-HBRHV-23L	Zone	Lumens	%Fixt	
Total Lumens	23,100	0-20°	4,547	19.7%	
Input Wattage	145	0-30°	9,744	42.2%	
Efficacy (lm/W)	159	0-40°	15,365	66.5%	
Spacing Criterion (0-180°)	1.24	20-50°	14,548	63.0%	
		40-70°	6,848	29.6%	
		0-60°	21,164	91.6%	
Spacing Criterion (90-270°)	1.28	0-80°	22,665	98.1%	
		0-90°	22,771	98.6%	
		90-180°	329	1.4%	
0-180°		23,100	100.0%		

Photometric calculated at 4000K & highest lumen setting.

PHOTOMETRICS (LL-HBRHV-36L)

Luminaire Data		Zonal Lumen Summary			Polar Graph
Description	LL-HBRHV-36L	Zone	Lumens	%Fixt	
		0-20°	7,393	20.3%	
		0-30°	15,566	42.7%	
Total Lumens	36,442	0-40°	23,881	65.5%	
Input Wattage	232	20-50°	22,211	60.9%	
Efficacy (lm/W)	157	40-70°	10,958	30.1%	
Spacing Criterion (0-180°)	1.2	0-60°	32,998	90.5%	
		0-80°	35,709	98.0%	
		0-90°	35,928	98.6%	
Spacing Criterion (90-270°)	1.24	90-180°	514	1.4%	
		0-180°	36,442	100.0%	

Photometric calculated at 4000K & highest lumen setting.



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PROJECT NAME	
CATALOG #	
JOB TYPE	
PREPARED BY	
NOTES	

ORDERING GUIDE

Brand	Fixture Type	Lumen Package	Voltage
LL LITELUME	HBRHV High Bay Round High Voltage	23L 23000 Lumens 36L 36000 Lumens	HV 277-480V
CCT	Power	Finish	Accessories
SCT Selectable Color Temperature	SP Selectable Power	WH White BK Black	* See Accessories Ordering Information on Page 5

FIXTURE ORDERING INFORMATION

Part #	Watts	Lumens	Kelvin	Voltage
LL-HBRHV-23L-HV-SCT-SP-WH	100W/120W/150W	16000/19000/23000	3 CCT	277-480V
LL-HBRHV-36L-HV-SCT-SP-WH	150W/200W/240W	24000/30000/36000	3 CCT	277-480V
LL-HBRHV-23L-HV-SCT-SP-BK	100W/120W/150W	16000/19000/23000	3 CCT	277-480V
LL-HBRHV-36L-HV-SCT-SP-BK	150W/200W/240W	24000/30000/36000	3 CCT	277-480V



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ACCESSORIES ORDERING INFORMATION

Part #	Description
HD09VR-PH5-1	Haisen Plug and Play PIR Sensor
HD09VR-MH5-1	Haisen Plug and Play Microwave Sensor
HD05R	Haisen Universal Smart Remote Control
HBRHV-ALREF-S	90° Aluminum Reflector 23L
HBRHV-PCREF-S	90° Polycarbonate Reflector 23L
HBRHV-ALREF-L	90° Aluminum Reflector 36L
HBRHV-PCREF-L	90° Polycarbonate Reflector 36L
HBRHV-YOKE-BLK	Yoke Mount Bracket, Black
HBRHV-YOKE-WHT	Yoke Mount Bracket, White
HBRHV-PSH	Pendant Snap Hook
P715L	NEMA plug twist-lock - 277V 15A
P720L	NEMA plug twist-lock - 277V 20A
P2420L	NEMA plug twist-lock - 347V 20A
P820L	NEMA plug twist-lock - 480V 20A
ANT-5-4T	Sharkward 12-24V DC 0-10V Plug and Play Microwave Sensor
ANT-6-4T	Sharkward 12-24V DC 0-10V Plug and Play PIR Sensor
ANT-6-4T-BLE-SR	Sharkward Silvair 12-24V DC 0-10V Plug and Play Bluetooth PIR Sensor
ANT-6-4T-BLE-GE	Homewell GEBC 12-24V DC 0-10V Plug and Play Bluetooth PIR Sensor
BRI-WS204-GE	Homewell GEBC 4-Button Wireless Wall Switch, Battery Powered, Wall Plate Included
RC-100	Remote Control 100
AC-EFS106-AUX.B1-HBL1-2-W	Autani Compatible - Keilton EFS106-AUX.B1 Plug and Play Bluetooth Daylight Harvesting and PIR Motion Sensor IP40 & HBL1-2-W Lens LLLC **HIGHBAY APPLICATIONS UP TO 40 FEET**
AC-EFS106-AUX.B1-HBL3-2-W	Autani Compatible - Keilton EFS106-AUX.B1 Plug and Play Bluetooth Daylight Harvesting and PIR Motion Sensor IP40 & HBL3-2-W Lens LLLC **HIGHBAY APPLICATIONS UP TO 50 FEET**
AC-EFS106-AUX.B1-MBL1-2-W	Autani Compatible - Keilton EFS106-AUX.B1 Plug and Play Bluetooth Daylight Harvesting and PIR Motion Sensor IP40 & MBL1-2-W Lens LLLC **LOWBAY APPLICATIONS BELOW 15 FEET**