

JADEMAR LIGHTING®

HBS SERIES IP66 & IP69K RATED LED ROUND HIGH BAY



Optional Bi-Level Microwave
Occupancy Sensor

Product Description

The Jademar HBS Round High-Bay luminaire is designed to deliver high efficacy, high lumen packages and precise optical control to illuminate the most challenging applications.

Standard LED Technology offers 80+CRI solution to enhance products at all levels of commercial and industrial uses requiring the best option in color rendering.

The HBS High Efficacy High-Bay luminaire offers several industry standard mounting options allowing the product to be positioned for upgrade opportunities or new installations in a wide range of industrial applications.

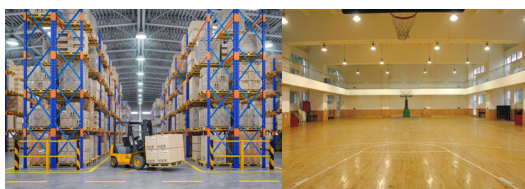
Features

- AC120-347V / AC200-480V Optional
- High efficacy, 145lm/w on average
- High power factor, low THD driver with 4kV surge protection
- Microwave sensor and Emergency backup optional
- IP66 & IP69K Waterproof, Dust Proof, Corrosion Resistant and High Pressure and Steam Washable.
- Operating Temperature: -40°C to 53°C (-40°F to 127°F)
- 10 years warranty



Applications

- Warehouse
- Sports Facility
- Factories
- Supermarket
- Exhibition Hall



Performance Summary

Input Power	60W / 80W / 100W / 150W / 200W / 250W
Efficacy	145 Lms/W on average
CCT Options	3000K / 4000K / 5000K / 5700K
Construction	Waterproof, Dust, Pressure Proof, and Corrosion Resistant Aluminum Housing
Input Voltage	120-347VAC & 200-480VAC
Ingress Protection	IP66 & IP69K
Mounting	Suspension Chain or Pendant
Compliance	IK10, DLC, and ETL Listed
Lifetime Based on TM21	L70 @ 174,000Hrs. / L80 @ 129,000Hrs. / L90 @ 81,000Hrs.
Warranty	10 Years Limited Warranty

Certifications & Compliance



Metal j-box with 3/4 or 1/2" inches
conduit

PC Refractor



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Information contained herein is subject to change without notice.
Values are nominal.
Revised 04/2021

SPECIFICATION SUBMITTAL DETAIL



Project Name/Type:		Date:
Catalog/Part #:		

HBS SERIES IP66 & IP69K LED RATED ROUND HIGH BAY

Ordering Information / Example: HBS-150W-HE-H-40K-60D-D-BMWO-WH-UB

Product Series	Input Voltage	CCT	Light Distribution	CRI	Controls & Dimming	Housing Color	Mounting	Other Options
HBS-60W HBS-80W HBS-100W HBS-150W HBS-200W HBS-250W	Blank (120-347VAC) H (200-480VAC)	30K (3000K) 40K (4000K) 50K (5000K) 57K (5700K)	120D (120° Angle) Standard 60D (60° Angle)	Blank (80 CRI) Standard 90 (90 CRI)	D (0-10VDC Dimming) BMWO (Bi-Level Microwave Occupancy Sensor)	BK (Black Finish) Standard WH (White Finish)	Blank (Chain/Eyehook Mount) UB (U-Bracket Mount)	Blank (6' Power Cord) Standard PWC12 (12' Power Cord)

Performance & Electrical Data Table

Model Number	HBS-60W				HBS-80W				HBS-100W					
Input Voltage	120-347VAC				120-347VAC				120-347VAC			200-480VAC		
Wattage	57.3	57.4	57.4	57.5	77.4	77.5	77.6	77.7	99.0	99.0	99.0	98.2	98.2	98.2
Nominal Efficacy (Lms/W)	130	132	133	135	150	152	155	157	152	154	156	150	153	155
Color Temperature (CCT)	3000K	4000K	5000K	5700K	3000K	4000K	5000K	5700K	4000K	5000K	5700K	4000K	5000K	5700K
Lumens	7,432	7,548	7,664	7,780	11,633	11,811	11,989	12,168	15,038	15,219	15,400	14,750	14,971	15,192
Model Number	HBS-120W				HBS-150W				HBS-200W					
Input Voltage	120-347VAC				200-480VAC				120-347VAC			200-480VAC		
Wattage	118.9	118.9	118.9	118.9	118.8	118.8	118.8	118.8	118.9	118.9	118.9	118.8	118.8	118.8
Nominal Efficacy (Lms/W)	151	153	155	157	151	153	156	158	151	153	155	151	153	156
Color Temperature (CCT)	4000K	5000K	5700K	5700K	4000K	5000K	5700K	5700K	4000K	5000K	5700K	4000K	5000K	5700K
Lumens	17,952	18,167	18,382	18,597	17,949	18,219	18,488	18,757	17,952	18,167	18,382	17,949	18,219	18,488
Model Number	HBS-200W				HBS-250W				HBS-300W					
Input Voltage	120-347VAC				200-480VAC				120-347VAC			200-480VAC		
Wattage	201.8	201.8	201.8	201.8	196.7	196.7	196.7	196.7	254.4	254.5	254.5	243.9	244.0	244.1
Nominal Efficacy (Lms/W)	153	155	157	157	153	156	158	160	153	155	156	152	155	157
Color Temperature (CCT)	4000K	5000K	5700K	5700K	4000K	5000K	5700K	5700K	4000K	5000K	5700K	4000K	5000K	5700K
Lumens	30,894	31,264	31,635	31,999	30,170	30,614	31,067	31,519	38,847	39,320	39,778	37,146	37,710	38,275
Beam Angle	120° PC Optics Standard / 60° PC Optics Optional													
Ingress Protection Rating	IP66 & IP69K													
Certifications & Compliance	IK10, UL and DLC Listed													
Dimming / Control Options	1-10V Dimming & IP66 Bi-level Microwave Occupancy Sensor w/ Hand-held Remote Control option - Model # HBS-RC													
CRI	80 and 90 optional													
Power Factor	≥0.90													
THD	≤15%													
L70 Lifespan (TM21 Calculated)	L70 @ 174,000Hrs. / L80 @ 129,000Hrs. / L90 @ 81,000Hrs.													
Housing Material	Aluminium Alloy													
Ambient Working Temp	-40°C to 53°C (-40°F to 127°F) Ambient													
Limited Warranty	10 yrs													

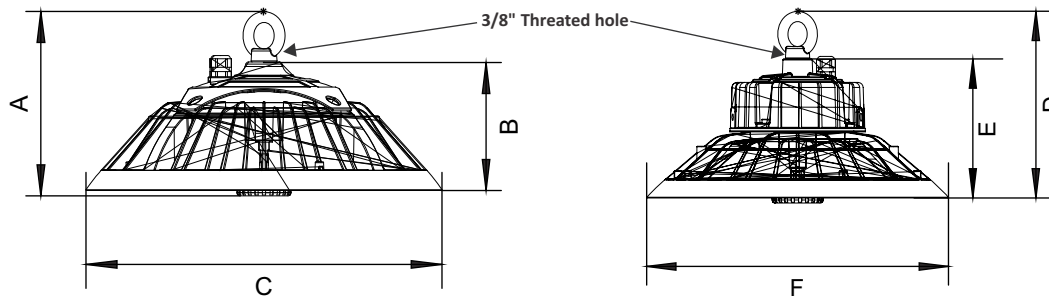


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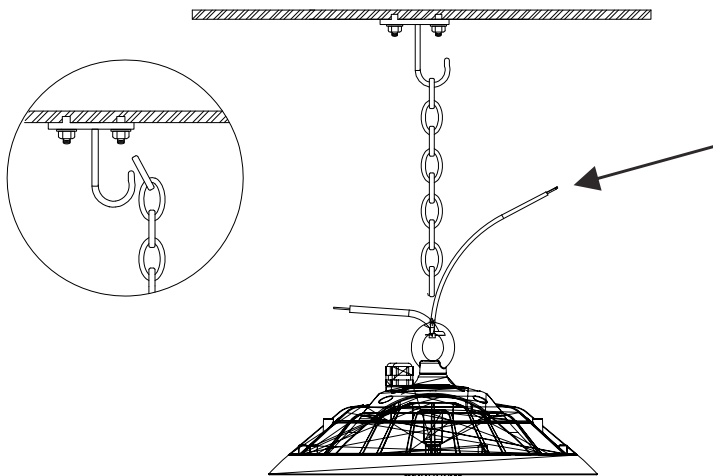
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Product Dimensions

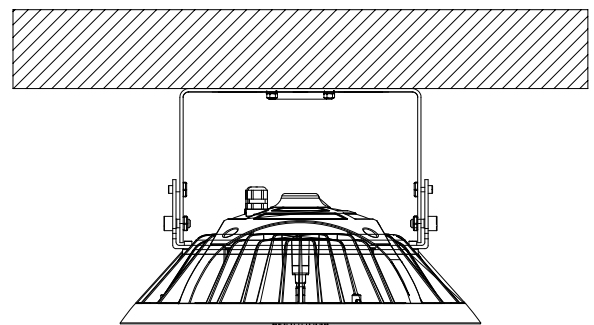


Product Series	120-347VAC				200-480VAC			
	A	B	C	Weight	D	E	F	Weight
HBS-60W	5.4"	3.5"	Ø11.62"	8.4 lbs.				
HBS-80W	5.4"	3.54"	Ø11.62"	8.4 lbs.				
HBS-100W	5.4"	3.54"	Ø11.62"	8.4 lbs.	7.20"	5.36"	Ø11.62"	11.99 lbs.
HBS-150W	5.4"	3.54"	Ø11.62"	8.4 lbs.	7.20"	5.36"	Ø11.62"	11.99 lbs.
HBS-200W	6.5"	3.5"	Ø11.62"	12.2 lbs.				
HBS-250W	6.5"	4.7"	Ø11.62"	12.2 lbs.	7.87"	6.04"	Ø12.95"	16.25 lbs.

Mounting Options



Chain/Eye Hook Mount



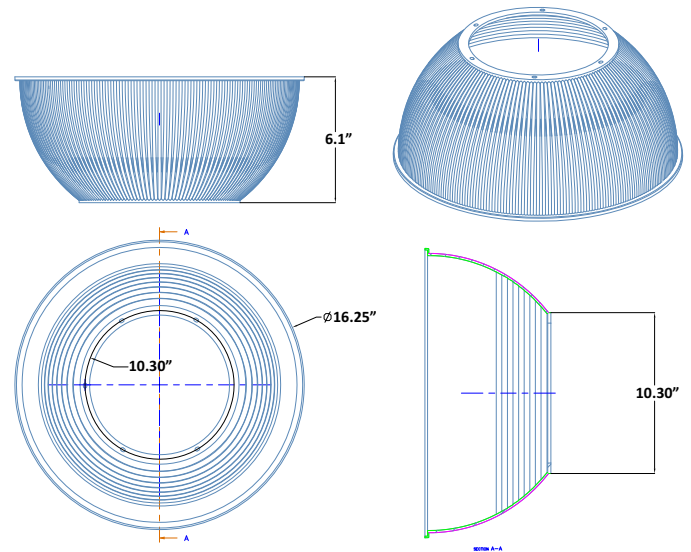
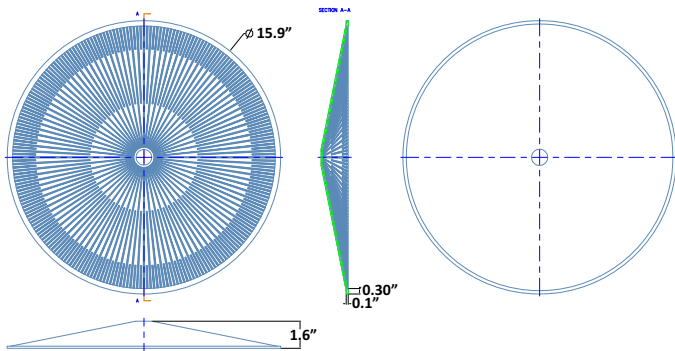
U-Bracket Mount



ACRYLIC REFRACTOR DESIGN DETAILS & DIMENSIONS



250W BOTTOM COVER



150W BOTTOM COVER

