

# JHAHB 60°C/80°C SERIES

## HIGH AMBIENT HIGH BAY

## SUITABLE FOR INDOOR & OUTDOOR APPLICATIONS

### PRODUCT DESCRIPTION

The Jademar JHAHB Highbay Series is designed for operation in high-temperature environments up to 80°C/176°F and low temperatures to 22°C/-30°F.

This series is IP66/IP67 rated for operation in wet environments and all weather conditions, including high humidity, wind, and rain, and is IK10 rated for impact resistance. The standard 12kV surge protection protects outdoor pole-mounted installations and proximity to high-voltage factories and industrial machinery.

The JHAHB series is ANSI C136.31 3G vibration rated for installation on machinery, industrial infrastructure, bridges, and other demanding applications.

### STANDARD FEATURES

- System Light Efficacy up to 154 lm/W
- Wind Resistance Minimization for Outdoor Applications
- Thermal Optimization for high temperature environments
- Operation Temperature up to 80°C/176°F
- Flexible, Modular Design
- Multiple Choice of Optical Lenses
- Easy Installation & Maintenance
- IP66/IP67 Dust and Waterproof Housing
- 3G/5G Vibration Rating
- ETL Listed / FCC / RoHS / IP66 / IP67 / IK10
- 10 Years Warranty

### APPLICATIONS

- High Temperature Facilities
- Cold Storage Facilities
- Warehouses
- Manufacturing Plants
- Convention Centers
- Sporting Arenas
- Big-Box Retail Stores
- Gymnasiums



### PERFORMANCE SUMMARY

<b>Input Power:</b>	50W-450W
<b>Efficacy:</b>	137 ~ 154 lm/W
<b>CCT:</b>	3000K / 4000K / 5000K
<b>CRI:</b>	>70
<b>Input Voltage:</b>	100-277VAC & 200-480VAC
<b>Dimming</b>	Optional
<b>Surge Protection:</b>	12KV
<b>Certifications &amp; Compliance</b>	ETL/FCC/RoHS/IP66/IP67/IK10
<b>Lifetime Based on TM21:</b>	L70 ≥ 194,000 Hrs L80 ≥ 137,000 Hrs L90 ≥ 87,600 Hrs
<b>Warranty:</b>	10 Years



## SPECIFICATION SUBMITTAL DETAIL

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

### JHAHB HIGH AMBIENT HIGH BAY

ORDERING INFORMATION / EXAMPLE: **JHAHB-50W-H-30K-IROS-70X135D-EM25-GR-50C**

Series	Wattage	Input Voltage	CCT	Controls & Dimming	Light Distribution	Mounting Options	EM Battery Backup	Housing Color	Temperature	Power Cord Options	NEMA Type Plug Options
JHAHB	50W 100W 150W 200W 300W 450W	Blank (100-277VAC)  H (200-480VAC)	30K (3000K) 40K (4000K) 50K (5000K)	Blank (0-10V Dimming) Standard  IROS (Infrared OCC Sensor)	150D (150°) 120D (120°) 90D (90°) 30D (30°) 70X135D (70°x153°) 75X145D (75°x145°) 60X150D (60°x150°) 73X133D (73°x133°) 60X100D (60°x100°) 70X130D (70°x130°) 30X100D (30°x100°)	Blank (Eye Hook/U-Bracket) Standard  UB (180° U-Bracket)  SF (Slipfitter)  ARM (Arm)	EM25 (EM Pack)	GR (Gray) Standard  BK (Black)* BZ (Bronze)* *Special Order	60C (60°C)  80C (80°C)	PWCx-yy* (Add-on Power Cord) *Length "x" and Color "yy" "BK" for Black "WH" for White	NP5-15A (125V,2P,3W,15A,TL) NP6-15A (250V,2P,3W,15A,TL) NPL7-15A (277V,2P,3W,15A,TL) NPL8-15A (480V,2P,3W,15A,TL) NPL16-20A (480V,3P,4W,20A,TL)

### FIELD INSTALLED OPTIONS

JHAHB-HC	Hanging Cable
JHAHB-UB	U-Bracket - 180 Degrees
JHAHB-SF	Slip Fitter Mount
JHAHB-ARM	Arm Mount



EYE-HOOK AND U-BRACKET MOUNT



180° U-BRACKET MOUNT



SLIPFITTER MOUNT

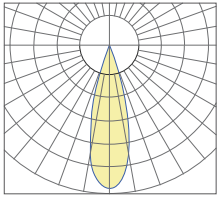


ARM MOUNT

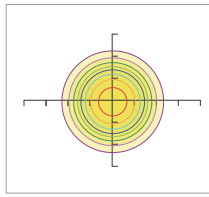
### LUMEN PERFORMANCE AND ELECTRICAL DATA TABLE

Product Number	JHAHB-50W	JHAHB-100W	JHAHB-150W	JHAHB-200W	JHAHB-300W	JHAHB-450W
No. of Modules	1	2	2	3	4	6
Maximum Dimensions (inch)	14.4" x 10.7" x 9.3"	12.1" x 14.4" x 9.2"	15.8" x 14.4" x 9.2"	19.5" x 14.4" x 9.2"	26.9" x 14.4" x 9.2"	38" x 14.4" x 9.2"
Nominal Watts	50W	100W	150W	200W	300W	450W
Average Nominal Efficacy (lm/W)	137	154	140	145	140	140
Average Lumen Output (lm)	6,850	15,400	21,000	29,000	42,000	63,000
Nominal Weight (lbs)	11.9	14.3	14.3	16.5	17.4	32.6
Input Voltage	100-277 VAC or 200-480 VAC					
CCT	3000K / 4000K / 5000K					
CRI	≥70					
THD @ 120VAC	<15%					
Power Factor	0.95 Minimum					
BUG Rating	B3-U3-G1					
Controls	Standard 0-10VDC Dimming / PIR Occupancy Sensor Optional					
Construction/ IP Rating	Epoxy Powder Coat Finish - Aluminum Alloy - Polycarbonate Lens - IP66/IP67 - Dust Tight & Weatherproof					
Beam Angle/Field Angle	30-130 Deg. Lateral Beam Angle Options					
Lifetime Based on TM21	L70 ≥194,000 Hrs / L80 ≥137,000 Hrs / L90>87,600 hours					
Ambient Working Temp	-30°C to 80°C (-22 to 176°F) Standard					
Certifications	ETL / cETL / CE / RoHS					
Limited Warranty	10 Years					

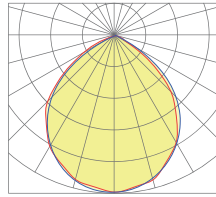
30°



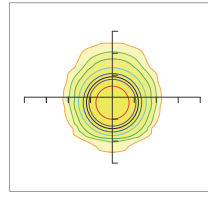
0.0~180.0  
90.0~270.0



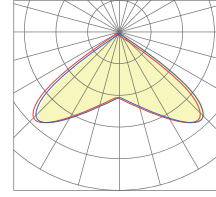
90°



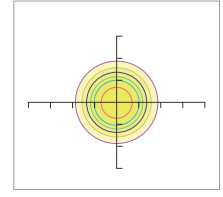
0.0~180.0  
90.0~270.0



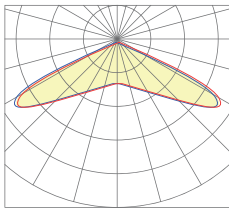
110°



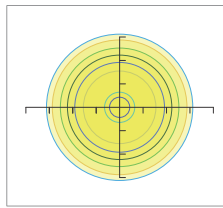
0.0~180.0  
90.0~270.0



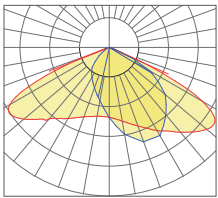
150°



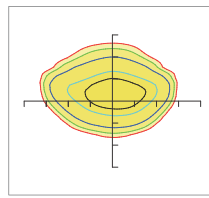
0.0~180.0  
90.0~270.0



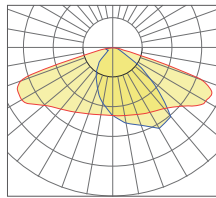
70 x 135°



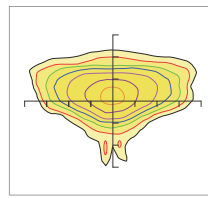
0.0~180.0  
90.0~270.0



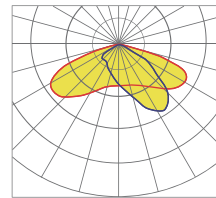
75 x 145°



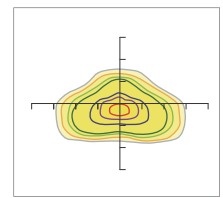
0.0~180.0  
90.0~270.0



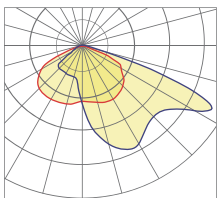
60 x 150°



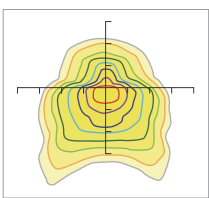
0.0~180.0  
90.0~270.0



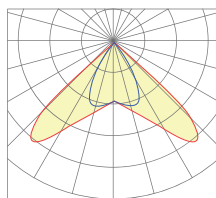
73 x 133°



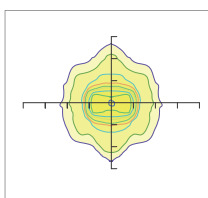
0.0~180.0  
90.0~270.0



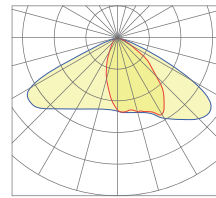
60 x 100°



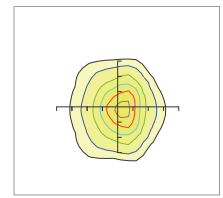
0.0~180.0  
90.0~270.0



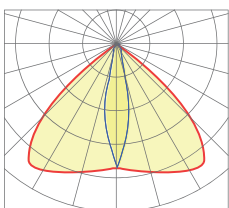
70 x 130°



0.0~180.0  
90.0~270.0



30x100°



0.0~180.0  
90.0~270.0

