

JPHBS SERIES

PREMIUM QUALITY ROUND HIGH BAY CCT & POWER SELECTABLE LUMINAIRE

PRODUCT DESCRIPTION

Introducing the Jademar JPHBS Round High Bay luminaire series, meticulously crafted to bring you top-notch efficiency, brilliant lumen output, and precise light control, making it the ideal choice for even the most demanding lighting scenarios.

Employing state-of-the-art LED technology, this luminaire provides an exceptional 80+ Color Rendering Index (CRI) solution. It greatly enhances the visual appeal of products across the spectrum of commercial and industrial settings, ensuring the highest quality color rendering.

The JPHBS-PS High Efficacy High-Bay luminaire boasts a variety of mounting options that adhere to industry standards. This versatility allows you to effortlessly adapt it for both retrofit projects and new installations across a wide array of industrial applications.

STANDARD FEATURES

Construction and Materials

- Die-cast aluminum housing and heat-sink for added protection
- Support O/G Hook for mounting

Optical System

- Optics available in 60°, 90°, 100°, and 120°.

Electrical System

- Static and power Selectable options: 100W/120W/150W/200W/240W/310W
- Input Voltage: 120-277VAC
- Efficacy: 150 lm/W ~ 170 lm/W
- Power Factor: >0.9
- CRI: >70
- Operating Temp: -22°F to 136°F (-30°C to 58°C)
- Total Harmonic Distortion: <15%
- Integral Surge Protection: 6KV @ 120-277V and 4KV @ 277-480V

Dimming and Controls Options

- Dimming Capability and Range: Continuous Dimming to 10% or below
- Integral Control Capability: LLLC
- Sensor Types: Daylight Sensing, Occupancy Sensing
- SSL V5 Wired Communication Protocol: 0-10V Analog
- SSL V5 Wireless Communication Protocol: Bluetooth

Certifications and Compliance

- UL Listed for Wet Locations
- DLC Premium Listed - Visit www.designlights.org
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Emissions

Lifetime Based on TM21: L70 ≥ 150,000 / L80 ≥ 120,000 / L90 ≥ 61,000 Hrs

OPTIONAL FEATURES

- 347V and 277-480V Available only on Straight Wattage Models
- Bi-level Microwave Occupancy/Motion Sensor, Bi-level Microwave Occupancy/Motion Sensor with Daylight Harvesting, and PIR Sensor
- Emergency Battery Backup
- O-Hook, U-Bracket, Pendant Mount Adapter, or Metal J-Box for Mounting
- Aluminum Reflector and PC Refractor
- Silvair® Bluetooth Network Lighting Control System
- CASAMBI® Bluetooth Network Lighting Control System
- Custom Colors as Special Order - Identify RAL Color Code on order



PERFORMANCE SUMMARY

Primary Input Power	150W (150W / 120W / 100W) 240W (240W / 200W / 180W) 310W (310W / 270W / 240W)
Efficacy	150 ~ 170 lm/W
Selectable CCT	4000K / 5000K
Construction	Die-cast aluminum housing and heat-sink for added protection and O/G Hook for mounting
Input Voltage	120-277VAC / 347VAC & 277-480VAC
Mounting	Suspension Chain or Pendant
Certifications/Compliance	ETL and DLC Premium Listed / IK10 Rated
Lifetime Based on Tm21	L70 @ 174,000Hrs. / L80 @ 129,000Hrs. / L90 @ 81,000Hrs.
Warranty	10 Years Limited Warranty

MOUNTING OPTIONS



Information contained herein is subject to change without notice.
Revised 05/2024



SPECIFICATION SUBMITTAL DETAIL

PROJECT NAME:	
MODEL NUMBER:	
DATE:	

JPHBS SERIES PREMIUM QUALITY ROUND HIGH BAY LUMINAIRE WITH CCT/POWER SELECTABLE OPTIONS

ORDERING INFORMATION / EXAMPLE: **JPHBS-PS-150W-HE-40K-BMWO-DH-120D-BK-MJBOX-1/2**

Product Series	Wattage	Lumen Efficacy	Input Voltage	CCT	Dimming	CRI
JPHBS-CP5	150W Selectable (150W/120W/100W) 240W Selectable (240W/200W/180W) 310W Selectable (310W/270W/240W)	Blank 150 lm/W	Blank 120-277VAC	Blank Selectable CCT (4000K/5000K)	Blank 0-10V Dimming	Blank 80 CRI (Standard) 90 90 CRI
JPHBS-PS	150W Selectable (150W/120W/100W) 240W Selectable (240W/200W/180W) 310W Selectable (310W/270W/240W)	Blank 150 lm/W HE 170 lm/W		30K 3000K * 40K 4000K 50K 5000K *Special Order		
JPHBS	100W Straight 100W 120W Straight 120W 150W Straight 150W 200W Straight 200W 240W Straight 240W 310W Straight 310W		Blank 120-277VAC H 277-480VAC			
Controls	Optics	Finish	Other Options			
BPIR Bi-level PIR motion sensor with on/off option BMWO Bi-level microwave occupancy sensor BMWO-DH Bi-level microwave occupancy sensor with daylight harvesting CB-NLC CASAMBI Bluetooth Lighting Control System SR-NLC TruBlu/Silvair Bluetooth Lighting Control System	120D 120° Angle (Standard) 100D 100° Angle (Standard) 90D 90° Angle (Standard) 60D 60° Angle (Standard)	BK Black Finish Standard WH White Finish CC Custom Color * *Special Order: Replace the CC with RAL Color Code	Blank 6' Power Cord (Standard) NP3 3-Pin 277VAC Nema power plug (125V, 2 poles, 3 wire grounding, 15 amp) Twist lock NP5-15A (250V, 2 poles, 3 wire grounding, 15 amp) Twist lock NP6-15A (277V, 2 poles, 3 wire grounding, 15 amp) Twist lock NPL7-15A (480V, 2 poles, 3 wire grounding, 15 amp) Twist lock NPL8-15A (480V, 3 poles, 4 wire grounding, 20 amp) Twist lock NPL16-20A 1/2" Junction box MJBOX-1/2 3/4" Junction box PWCx-y Additional power cord 120-480V x=length and y= cord color BK (black) or WH (white)			

FIELD INSTALLED OPTIONS

JPHBS-NPTC3/8-1/2	NPTC Converter from 3/8" to 1/2"
JPHBS-NPTC3/8-3/4	NPTC Converter from 3/8" to 3/4"
JPHBS-UB-150	U-Bracket 100W-150W
JPHBS-UB-250	U-Bracket 200W-240W
JPHBS-UB-310	U-Bracket 310W
JPHBS-OH	O-Hook Mount Option 100W-310W
JPHBS-PMA	Pendant Mount Adapter 100W-310W
ST-60	Safety tether 60"
ST-120	Safety tether 120"

BMWO-RC	Bi-Level Microwave Occupancy/Motion Sensor Remote Control
JEMBBU-RC	Hand Held Remote Control For Testing EM Pack
JEMBBU-25W	External Field Installed Li-ion EM pack 25W with Remote Control Option (For 100W-150W)
JEMBBU-40W	External Field Installed Li-ion EM pack 40W with Remote Test Control Option (For 200W-310W)
JPHBS-ALR-18-100-150	18" Aluminum Reflector for 100W-150W
JPHBS-ALR-18-200-310	18" Aluminum Reflector for 200W-310W
JPHBS-PCR-16-100-150	16" Polycarbonate Dome Refractor for 100W-150W
JPHBS-PCR-16-200-310	16" Polycarbonate Dome Refractor for 200W-310W
JPHBS-PCR-DC-16-100-150	Dust Cover for 16" Polycarbonate Dome Refractor for 100W-150W
JPHBS-PCR-DC-16-200-310	Dust Cover for 16" Polycarbonate Dome Refractor for 200W-310W



NPT Converter



U-Bracket Mount



O-Hook Mount



Pendant Mount Adapter



FIELD INSTALLED EM PACK



ALUMINUM REFLECTOR



PC REFRACTOR



PC REFRACTOR DUST COVER (SOLD SEPARATELY)



Safety Tether



Ceiling Mount J-Hook



Pendant Canopy Mount

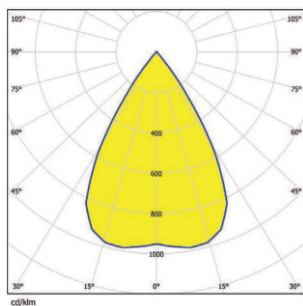
SMJH-WH-AC-10	Ceiling mount J-hook with aircraft cable 1/16" or 3/32" Cable with a single hook end. 10' Cable Length.
SMJH-WH-AC-20	Ceiling mount J-hook with aircraft cable 1/16" or 3/32" Cable with a single hook end. 20' Cable Length.
RSC-RM-34-18P-WH	Round 42" Swivel Canopy Set 3/4" with 18"Stem 1/2"IPS White
RSC-RM-12-18P-WH	Round 42" Swivel Canopy Set 1/2" with 18"Stem 1/2"IPS White
RC-RM-34-18P-WH	Round 42" Canopy Set - NO Swivel 3/4" with 18"Stem 1/2"IPS White
RC-RM-12-18P-WH	Round 42" Canopy Set - NO Swivel 1/2" with 18"Stem 1/2"IPS White



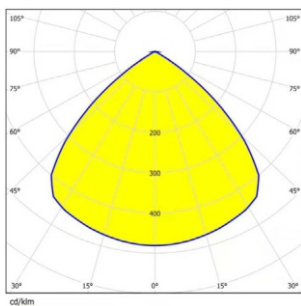
LUMEN PERFORMANCE AND ELECTRICAL DATA

Model Number	JPHBS-CPS-150W						JPHBS-CPS-240W						JPHBS-CPS-310W					
Wattage	150W	120W	100W				240W	200W	180W				310W	270W	240W			
Lumen Output	23,100	18,500	15,300				36,300	34,400	27,180				47,000	41,310	36,720			
Efficacy (AC)	154	154	154				151	151	151				153	153	153			
Input Voltage	120-277V						120-277V						120-277V					
Color Temperature (CCT)	Selectable 4000K/5000K			Selectable 4000K/5000K			Selectable 4000K/5000K											
Model Number	JPHBS-PS-150W			JPHBS-PS-150W-HE			JPHBS-PS-240W			JPHBS-PS-240W-HE			JPHBS-PS-310W			JPHBS-PS-310W-HE		
Wattage	150W	120W	100W	150W	120W	100W	240W	200W	180W	240W	200W	180W	310W	270W	240W	310W	270W	240W
Lumen Output	23,100	18,500	15,300	26,000	20,760	17,300	36,300	34,400	27,180	41,300	41,280	30,960	47,000	41,310	36,720	53,800	46,980	41,760
Efficacy (AC)	154	154	154	173	173	173	151	151	151	172	172	172	153	153	153	174	174	174
Input Voltage	120-277V			120-277V			120-277V			120-277V			120-277V			120-277V		
Color Temperature (CCT)	Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K		
Model Number	JPHBS-100W			JPHBS-100W-HE			JPHBS-120W			JPHBS-120W-HE			JPHBS-150W			JPHBS-150W-HE		
Wattage	100W			100W			120W			120W			150W			150W		
Lumen Output	15,300			18,000			18,500			21,500			22,500			26,100		
Efficacy (AC)	153			180			154			179			150			174		
Input Voltage	120-277V or 277-480V			120-277V or 277-480V			120-277V or 277-480V			120-277V or 277-480V			120-277V or 277-480V			120-277V or 277-480V		
Color Temperature (CCT)	Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K		
Model Number	JPHBS-200W			JPHBS-200W-HE			JPHBS-240W			JPHBS-240W-HE			JPHBS-310W			JPHBS-310W-HE		
Wattage	200W			200W			240W			240W			310W			310W		
Lumen Output	31,000			34,400			36,200			41,500			47,000			53,800		
Efficacy (AC)	155			172			151			173			152			174		
Input Voltage	120-277V or 277-480V			120-277V or 277-480V			120-277V or 277-480V			120-277V or 277-480V			120-277V or 277-480V			120-277V or 277-480V		
Color Temperature (CCT)	Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K			Static 4000K/5000K		
THD	<15%																	
Power Factor	>0.9																	
CRI	>80 and 90 CRI Optional																	
Optics Options	120°, 100°, 90°, and 60°																	
Ingress Protection Rating	IP66 & IP69K																	
Certifications & Compliance	IK10 and UL Listed																	
Dimming / Control Options	Continuous Dimming to 10% or below / Integral Controls: LLLC / Occupancy and Daylight Sensing / Casambi and TruBlu Bluetooth Lighting Control Systems																	
L70 Lifespan (TM21 Calculated)	L70 @ 174,000Hrs. / L80 @ 129,000Hrs. / L90 @ 81,000Hrs.																	
Housing Material	Aluminium Alloy																	
Ambient Working Temp	-22°F to 136°F (-30°C to 58°C) Ambient																	
Limited Warranty	10 yrs																	

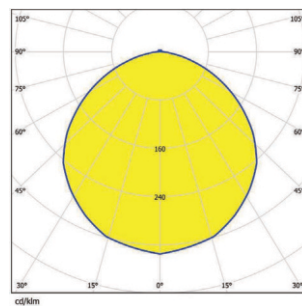
PHOTOMETRY



BEAM ANGLE: 60°



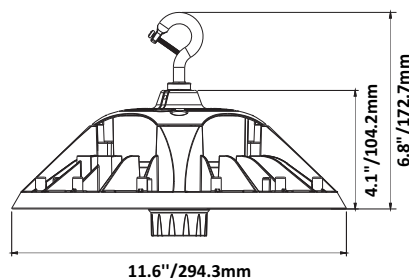
BEAM ANGLE: 90°



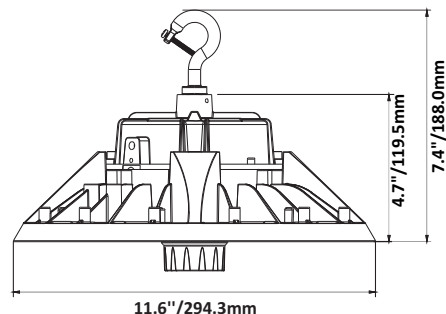
BEAM ANGLE: 120°



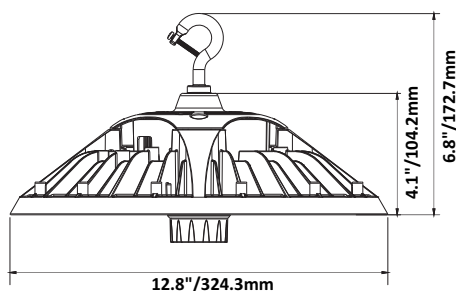
PRODUCT DIMENSIONS



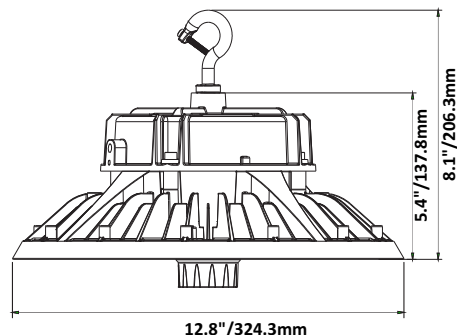
100W/120W/150W
120-277/347



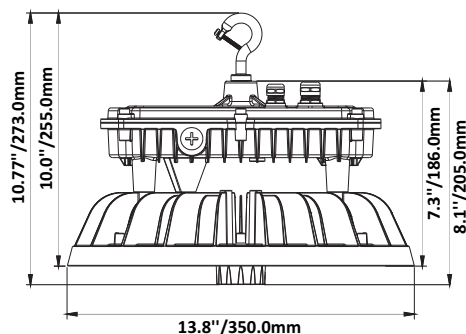
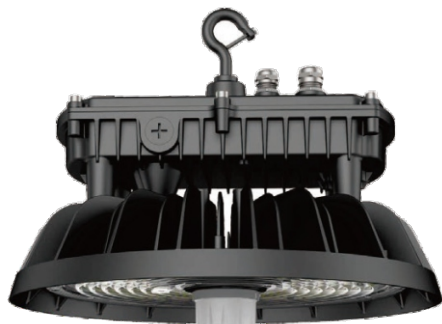
100W/120W/150W
277-480V



200W/240W
120-277/347



200W/240W
277-480V

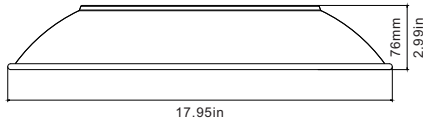


310W
120-277/347, 277-480V

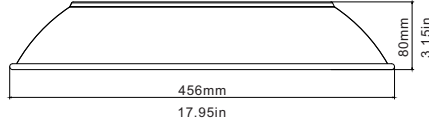


ALUMINUM REFLECTOR AND POLYCARBONATE REFRACTOR DIMENSIONS

ALUMINUM REFELCTOR



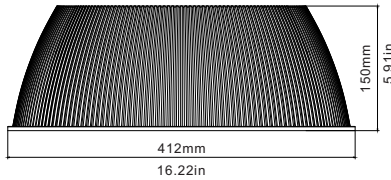
100W, 120W, 150W (150/120/100)W



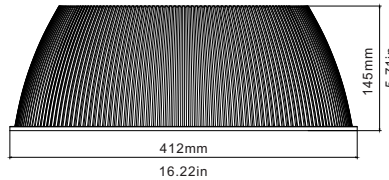
310W, (310/270/240)W



POLYCARBONATE REFRACTOR



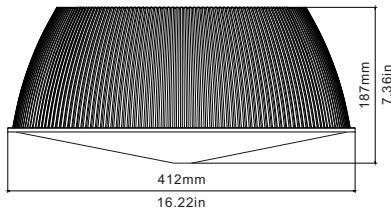
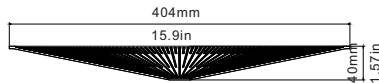
100W, 120W, 150W (150/120/100)W



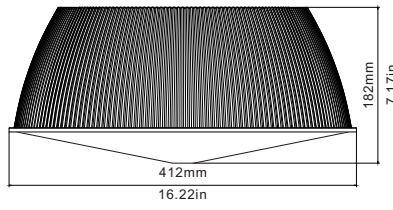
200W, 240W (240/200/180)W
310W, (310/270/240)W



DUST COVER LENS FOR POLYCARBONATE REFRACTOR



100W, 120W, 150W (150/120/100)W



200W, 240W (240/200/180)W





DLC QUALIFIED PRODUCTS

Product ID	Manufacturer	Brand	Model Number	Integral Control Capability
S-N62DD5	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-150W-40K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BLANK;90]-[BK;CC]	LLLC
S-LLHXK1	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-150W-50K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-LHPJCQ	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-150W-HE-40K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-RLS3Z8	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-150W-HE-50K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-HDMXV7	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-240W-40K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-HPSPKV	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-240W-50K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-MC5288	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-240W-HE-40K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-45VX3G	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-240W-HE-50K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-N5FV5V	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-310W-40K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-CB56H6	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-310W-50K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-LL29TW	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-310W-HE-40K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-BDKNFS	Jademar Corporation	JADEMAR LIGHTING	JPHBS-PS-310W-HE-50K-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-PMPJ6G	Jademar Corporation	JADEMAR LIGHTING	JPHBS-100W-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-ORJ66Q	Jademar Corporation	JADEMAR LIGHTING	JPHBS-100W-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-MKN39Z	Jademar Corporation	JADEMAR LIGHTING	JPHBS-100W-HE-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-GDSMG5	Jademar Corporation	JADEMAR LIGHTING	JPHBS-100W-HE-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-XH71DM	Jademar Corporation	JADEMAR LIGHTING	JPHBS-120W-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-VFNHF1	Jademar Corporation	JADEMAR LIGHTING	JPHBS-120W-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-05JV6J	Jademar Corporation	JADEMAR LIGHTING	JPHBS-120W-HE-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-0GJSD8	Jademar Corporation	JADEMAR LIGHTING	JPHBS-120W-HE-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-TNGKSQ	Jademar Corporation	JADEMAR LIGHTING	JPHBS-150W-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-CRX51V	Jademar Corporation	JADEMAR LIGHTING	JPHBS-150W-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-171D2H	Jademar Corporation	JADEMAR LIGHTING	JPHBS-150W-HE-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-86GYCX	Jademar Corporation	JADEMAR LIGHTING	JPHBS-150W-HE-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-DQMCD8	Jademar Corporation	JADEMAR LIGHTING	JPHBS-200W-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-J05YRD	Jademar Corporation	JADEMAR LIGHTING	JPHBS-200W-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-QG0Q18	Jademar Corporation	JADEMAR LIGHTING	JPHBS-200W-HE-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-WG23ZS	Jademar Corporation	JADEMAR LIGHTING	JPHBS-200W-HE-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-RCFNNR	Jademar Corporation	JADEMAR LIGHTING	JPHBS-240W-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-98W12R	Jademar Corporation	JADEMAR LIGHTING	JPHBS-240W-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-V6VTMG	Jademar Corporation	JADEMAR LIGHTING	JPHBS-240W-HE-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-SLLH7M	Jademar Corporation	JADEMAR LIGHTING	JPHBS-240W-HE-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-CXGV7T	Jademar Corporation	JADEMAR LIGHTING	JPHBS-310W-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-GW9R6K	Jademar Corporation	JADEMAR LIGHTING	JPHBS-310W-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-0BZY5J	Jademar Corporation	JADEMAR LIGHTING	JPHBS-310W-HE-40K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC
S-4RB74V	Jademar Corporation	JADEMAR LIGHTING	JPHBS-310W-HE-50K-[BLANK;H]-[BPIR;BMWO;CB-NLC;SR-NLC]-[120D;90D;60D]-[BK;CC]	LLLC

