

JADEMAR LIGHTING®

JPRHB-NID SERIES PREMIUM PARKING GARAGE LUMINAIRE WITH BLUETOOTH CONTROL ENABLED



Integrated Wireless Mesh Network,
Motion Sensor, and Daylight Sensor

PRODUCT DESCRIPTION

The JPRHB-NID Series of Natatorium Rated Premium High Bays are equipped with a plug-and-play sensor option. The user can easily scale the luminaire from an ordinary fixture to an intelligent fixture in three seconds.



The JPRHB-NID has a plug and play motion sensor with automatic dimming capabilities and on-demand lighting. Equipped with a wireless daylight sensor option, the daylight harvesting automatically regulates the use of the electric lighting in response to the amount of daylight available.

PRODUCT FEATURES AND CONSTRUCTIONS DETAILS

- **Ingress Protection:** IP67 Rated
- **Impact Resistant:** IK10 Rated
- **Housing Construction:** Cast Aluminum with stainless steel screws and with AkzoNobel Powder Coat Painting Durable for Harsh Conditions
- **Corrosion Resistant:** 168 Hours of Salt Spray Testing per ASTM-B117-73
- **Occupancy Sensing:** Results in energy savings from 15-50% annually
- **Auto Scheduling:** With Smart Sensor updates to the schedule can be done right from a smart device
- **Task Tuning:** Programming the output of an individual or group of luminaires to the level that provides just the right amount of light for the space
- **Daylight Harvesting:** Regulates the lighting in response to the amount of daylight available
- **Load Shedding:** Temporarily reduces the load of a system to avoid energy costs when they are at their highest
- **Zoning and Group Control:** Group Luminaires and form unique control zones
- **1/2" Threaded hole** for pendant mounting

OTHER OPTIONS FOR MOUNTING AVAILABLE



Adjustable U-Bracket

Indirect Mount

1/2" NPT Pipe Mount

Pole Mount for Post Top Light

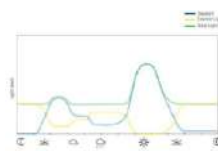
PERFORMANCE SUMMARY

Input Power:	50W, 75W, 100W, 120W, 145W, 180W
Efficacy:	up to 180 lm/w
CCT:	3000K, 4000K, 5000K
CRI:	>73 standard (>80 optional)
Input Voltage:	100-277VAC and 249-528VAC
Controls Options:	Motion Sensor, Daylight Sensor, ZigBee Mesh Network, DALI Driver Option, App Controlled
Lifetime Based on TM21:	L70 ≥ 174,000 Hrs / L80 ≥ 129,000 Hrs / L90 ≥ 81,000 Hrs
Certifications & Compliance:	cETL Listed / IP67 / IK10 / ASTM-B117-73 Corrosion Testing
Warranty:	10 years Limited

CERTIFICATIONS AND COMPLIANCE



CONTROLS AND NETWORK CAPABILITIES



Automatic Dimming and On-Demand Lighting



Nighttime: Even Light Distribution



Daytime: Lower Light Distribution by windows



Factory Installed Option
UPLIGHT KIT
Eliminates dark Ceilings and Corners



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Values are nominal.
Revised 09/2022

SPECIFICATION SUBMITTAL DETAIL



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

JPRHB-NID SERIES IP67 & NATATORIUM RATED PREMIUM ROUND HIGH BAY

ORDERING INFORMATION / Example: [JPRHB-NID-120W-H-30K-120D-DS-PM-BK-12F](#)

Product	Input Voltage	CCT	CRI	Light Distribution	Controls & Dimming	Mounting Options	Finish	Accessory Options
JPRHB-NID-50W-HE JPRHB-NID-75W-HE JPRHB-NID-100W-HE JPRHB-NID-120W-HE JPRHB-NID-145W-HE JPRHB-NID-180W-HE	Blank (100-277VAC)	30K (3000K) 40K (4000K) 50K (5000K)	Blank (70 CRI)	120D (120° PC Optic) Standard AISLE (50°x100° Aisle Optic) 60D (60° PC Optic) 90D (90° PC Optic) F120D (PC Frosted Lens Cover 120-Degree)	Blank (0-10V Dimming Standard) MWD (MCWONG DRIVER) MWD-TBC-TBP (MCWONG DRIVER + CONTROLLER) MWD-TBP-PIR (MCWONG DRIVER + PIR SENSOR WITH BT) MWD-TPB-TBM (MCWONG DRIVER + MICROWAVE SENSOR WITH BT)	Blank (Open-Eye Hook Mount) UB (Adjustable U-Bracket Mount) IM (Indirect Mount) NPM (NPT Pipe Mount) PM (Pole Mount) MJBOX-1/2 (Metal J-box with 1/2 inches conduit) MJBOX-3/4 (Metal J-box with 3/4 inches conduit)	BK (Black) Standard WH (White) Special Order	UL (Uplight Option) NPP (NEMA Power Plug) CC (IP68 Power Cable Connector) 12F (12ft 277V, 5 conductor black color power cord) SPU (Surge Protection Device 100-277VAC 20KW) SPH (Surge Protection Device 200-480VAC 20KW)
JPRHB-NID-50W JPRHB-NID-75W JPRHB-NID-100W JPRHB-NID-120W JPRHB-NID-145W JPRHB-NID-180W	H (347-480VAC)		80 (80 CRI)					

FIELD INSTALLED OPTIONS

JPRHB-NID-AR	Aluminum Reflector
JPRHB-NID-PRDL	Prismatic Reflector & Drop Lens
JPRHB-NID-PCR	PC Reflector
JEMBBU-25	External Li-ion EM pack 25W
JEMBBU-40	External Li-ion EM pack 40W
JPRHB-NID-SC	Safety Chain
JPRHB-NID-CC	Cable Connector
JPRHB-NID-NPTC	NPT Converter 1/2" to 3/4"
JPRHB-HS-xx*	Half Shield

RCS-75-34	34 (3/4") Swivel Canopy 4" for Round/Octagonal J-BOX with cover
SCS-75-34	34 (3/4") Swivel Canopy 4" for Square J-BOX with cover
RSC-RM-34-18P	34 (3/4") with 18" pipe Swivel Canopy 4" for Round/Octagonal J-BOX Rapid Mount w/Hinged Door
SSC-RM-34-18P	34 (3/4") with 18" pipe Swivel Canopy 4" for Square J-BOX Rapid Mount w/Hinged Door

For Mounting Options See Page 3

**must specify color - BK, WH or SV*



MJBOX-1/2 & MJBOX-3/4



Aluminum Reflector



Prismatic Reflector & Drop Lens



Motion Sensor



Daylight Sensor



PC Reflector



Cable with Plug



Plug



Steel Chain



Cable Connector



1/2" NPT to 3/4" NPT Converter

ELECTRICAL & PERFORMANCE DATA TABLE

Product Number	JPRHB-NID-50W	JPRHB-NID-75W	JPRHB-NID-100W	JPRHB-NID-120W	JPRHB-NID-145W	JPRHB-NID-180W
Nominal watts	50W	75W	100W	120W	145W	180W
Nominal Efficacy (lm/W)	155	155	145	142	145	140
Lumen Output (lm)	7,750	10,800	14,500	17,000	21,000	25,200
Product Number	JPRHB-NID-50W-HE	JPRHB-NID-75W-HE	JPRHB-NID-100W-HE	JPRHB-NID-120W-HE	JPRHB-NID-145W-HE	JPRHB-NID-180W-HE
Nominal watts	50W	75W	100W	120W	145W	180W
Nominal Efficacy (lm/W)	182	182	170	170	170	170
Lumen Output (lm)	9,100	12,750	17,000	20,400	24,650	30,500
Input Voltage	100-277VAC or 277-480VAC					
CRI	>73 (>80 Optional)					
Power Factor	>0.95					
CCT	3000K / 4000K / 5000K					
Standard Control Specification	0-10V Dimming					
Beam Angle/Field Angle	60° / 90° / 120°, Aisle Optic 50° x 100°					
Lifetime Based on TM21	L70 ≥ 174,000 Hrs / L80 ≥ 129,000 Hrs / L90 ≥ 81,000 Hrs					
Ambient Working Temp	-25°C to +55°C (-13°F ~ +131°F) Ambient					
Certifications & Compliance	cETL Listed / RoHS / IP67 / IK10 / ASTM-B117-73 Corrosion Testing					
Limited Warranty	10 Years Limited					



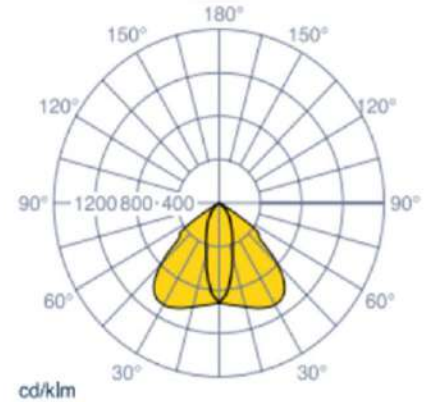
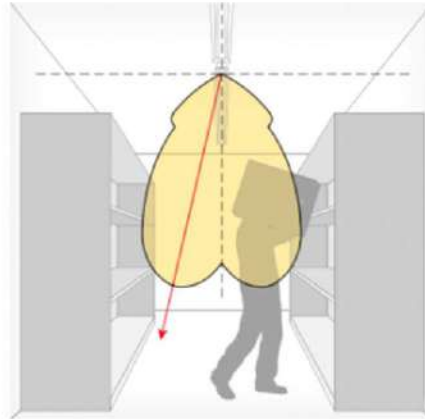
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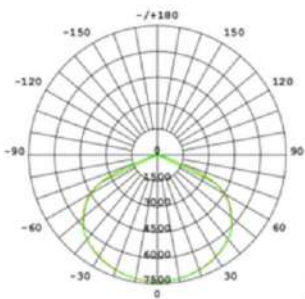
AISLE OPTICS

Suitable for storage spaces, warehouses or retail with narrow spaces between racks

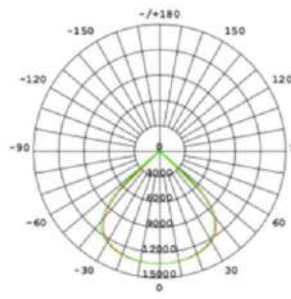


Wide, Medium, Narrow, and Dome Lens options offer versatility

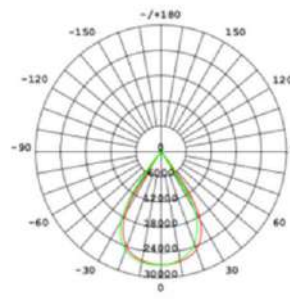
Snap-On design lens can be replaced easily for different applications



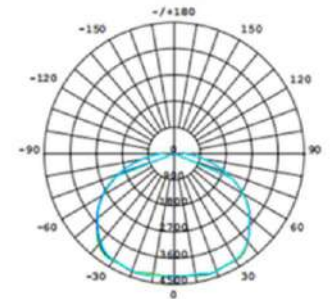
120° Wide Angle
for Factories/Gymnasiums,
and Athletic Centers



90° Medium Angle
for Large Open Areas

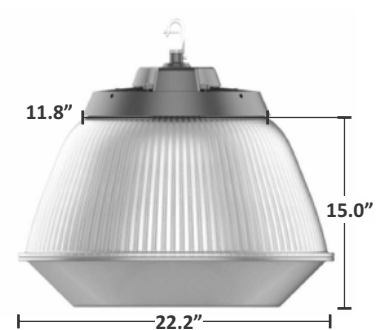
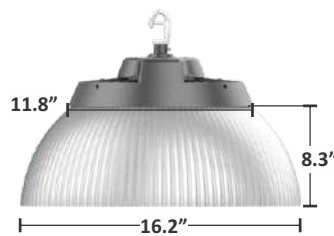


60° Narrow Angle
for Highly Installed Areas
or Narrow Areas

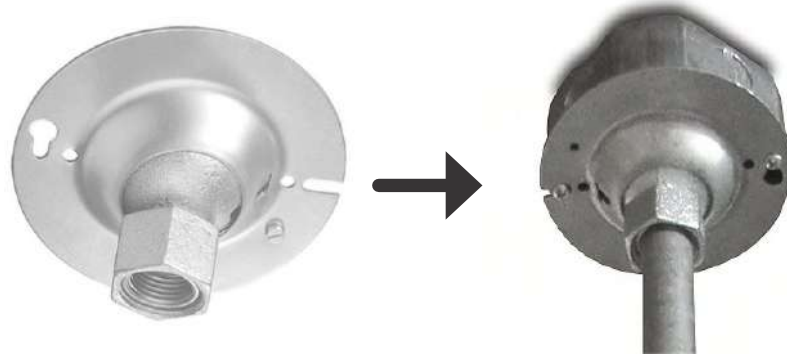


Dome Lens

PRODUCT DIMENSIONS



MOUNTING OPTIONS - PENDANT SWIVEL CANOPY TYPES



Swivel Canopy 4" for Round/Octagonal J-BOX with cover:
RCS-75-12 or 34 (1/2" / 3/4)



Swivel Canopy 4" for Square J-BOX with cover:
SCS-75-12 or 34 (1/2" / 3/4)

