

JPRHB-NFH SERIES

PREMIUM ROUND HIGH BAY

NSF/IP69K/IK08 RATED SAFE

FOR THE FOOD INDUSTRY AND

HARSH ENVIRONMENTS

PRODUCT DESCRIPTION

JPRHB-NFH Series meets the NSF design requirements, the surface is smooth, convenient to wipe and clean. It is IP69K protection, can be washed with water, meet the requirements for food factories, and can also use in the places where require dust and water resistance. This series products have reserved sensor socket that can install the sensors in 3 seconds, plug and play, no need wiring, hugely save labor costs. You can easily get the function you need by insert the correspond sensors like Microwave, PIR, Bluetooth sensor etc. Customers can easily install and replace sensors themselves, very convenient and practical.

STANDARD FEATURES

Construction and Materials

- Dust and Water Resistant Die Cast Aluminum Alloy Housing
- Impact and UV resistant polycarbonate lens

Optical System

- 105° Light Distribution Angle

Electrical System

- Wattage: 150W / 240W
- CCT Options: 3000K / 3500K / 4000K / 5000K
- Input Voltage: 120-277VAC / 277-480VAC
- Efficacy: up to 160 lm/W
- Power Factor: >0.9
- CRI: >80
- Operating Temp: -40°F to 131°F (-40°C to 55°C)
- Total Harmonic Distortion: <25%
- Integral Surge Protection: L-N 4KV, LN-PE 2KV

Dimming and Controls

- 0-10V Dimming Standard

Certifications and Compliance

- UL Listed for Wet Locations
- NSF Rated for safety in the food industry
- IP65/IP69K Rated for Water and Dust Resistance
- IK08 Rated polycarbonate lens for impact resistance
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Emissions

Mounting:

- Eye-hook mounting (standard)

Lifetime Based on TM21:

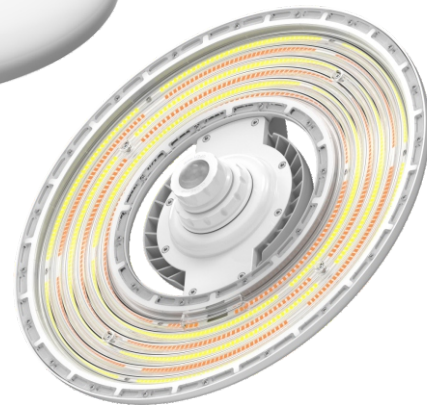
- L70@174,000 Hrs
- L80@129,000 Hrs
- L90@81,000 Hrs




Optional Remote Controlled
Plug & Play Bi-Level Occupancy Sensor



SILVAIR
CASAMBI



PERFORMANCE SUMMARY

Input Power:	150W / 240W
Efficacy:	up to 160 lm/W
CCT:	3000K / 4000K / 5000K
CRI:	>80 Standard
Input Voltage:	120-277VAC & 277-480VAC Options
Dimming:	0-10V Dimming Standard
Controls:	Optional Photocell / Motion Sensor
Construction:	Die Cast Aluminum and Polycarbonate Lens
Certifications:	UL Listed for Wet Locations / NSF Rated / IP65 & IP69K Rated / IK08 Rated
Lifetime Based on TM21:	L70 @ ≥ 174,000 / L80 @ ≥ 129,000 / L90 @ ≥ 81,000 Hrs
Warranty:	10 Years Limited

OPTIONAL FEATURES

- 90° and 60° Polycarbonate Optic Lens Options
- High Voltage Options (277-480V)

Mounting

- G-Hook Mount
- Suspension Chain
- Pipe Mount Adapter (no pipe included)
- Swivel Canopy for 4" Round or Square/Octagonal J-BOX with cover & 18" double threaded pipe

Controls Options

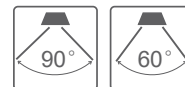
- Plug and Play Bi-Level Microwave Occupancy Sensor
- PIR High Bay Sensor
- Remote Control for Sensors

Emergency Battery Backup

- External Field Installed Li-ion Em Pack 25W and 40W

Power Cords and Plugs

- Additional Feet of Power Cord available upon request
- NEMA Type Power Plugs available (125V-480V, 2-Pole, 3-Wire Grounding, 15Amp and 480V, 3-Pole, 4-Wire Grounding, 20Amp options)



Quotations: quotes@jademar.com
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PROJECT NAME:	
MODEL NUMBER:	
DATE:	

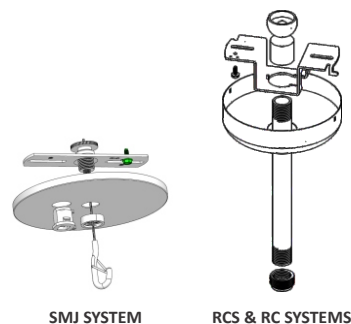
JPRHB-NFH SERIES PREMIUM ROUND HIGH BAY NSF & IP69K RATED SAFE FOR FOOD INDUSTRY AND HARSH ENVIRONMENTS

ORDERING INFORMATION / EXAMPLE: **JPRHBN-NFH-150W-40K-90D-D-BMWO-WH-PMA**

JPRHB-NFH						D	
Product Series	Wattage	Input Voltage	CCT	Optic Options	CRI	Dimming Options	Control Options
JPRHB-NFH	150W 240W	Blank 120-277VAC H 277-480VAC	30K 3000K 40K 4000K 50K 5000K	Blank 105° PC Optics (Standard) 90D 90° PC Optics 60D 60° PC Optics	Blank 80 CRI (Standard)	D 0-10V Dimming (Standard)	Blank No Sensor BPIRO Bi-level PIR Occupancy Sensor - Plug & Play Screw-In BMWO Factory setting for this sensor options is: 50% dim, 20 minutes delay then off. For different factory settings, description must be noted on the order BMWO-BT-SA Factory setting for this sensor options is: 50% dim, 20 minutes delay then off. For different factory settings, description must be noted on the order (Stand-Alone Sensor Controlled by Bluetooth Smart Device App) JBTC DLC Listed Integrated Single Channel Silvair Bluetooth Controller CB-NLC Casambi Bluetooth Control System DLC Listed SIG Certified SR-NLC Silvair BLE Mesh Network Bluetooth Lighting
Housing Colors		Mounting Options		Other Options			
WH White Standard BK Black CC Custom Color - Special Order Replace CC with desired RAL Color	Blank Chain/Eyehook Mount PMA Pendant Mount Adapter	Blank 6FT Power Cord with Dimming Cables Standard PWCx-C Additional Power Cord Length (x=Length & C=Color) * NEMA-x-y Nema Plug options (x=Voltage and y=Amperage) *					
							* For both Power Cord and Nema Plug options, see price book or contact your sales rep.

FIELD INSTALLED OPTIONS

BMWO-RC	Hand Held Remote Control for BMWO Sensor - We suggest one per job/location
BPIRO-RC	Hand Held Remote Control for BPIRO Sensor - We suggest one per job/location
SMJH-AC20	Ceiling mount J-hook with Aircraft Cable 1/16" or 3/32" Cable with a single hook end. 20' Cable Length.
SMJH-AC10	Ceiling mount J-hook with Aircraft Cable 1/16" or 3/32" Cable with a single hook end. 10' Cable Length.
RSC-RM-34-18P-WH	Round 42" Swivel Canopy Set 3/4" IP with 18" Stem 1/2" IPS White
RSC-RM-12-18P-WH	Round 42" Swivel Canopy Set 1/2" IP with 18" Stem 1/2" IPS White
RC-RM-34-18P-WH	Round Canopy - No-Swivel with Reducing Bushing for 3/4" Hubs to 1/2" IP Stems, with 18" Stem 1/2" IPS White
RC-RM-12-18P-WH	Round Canopy - No-Swivel 1/2" IP Stems, with 18" Stem 1/2" IPS White
JEM-30W	30W Emergency Battery Pack
JEM-40W	40W Emergency Battery Pack
JEM-60W	60W Emergency Battery Pack

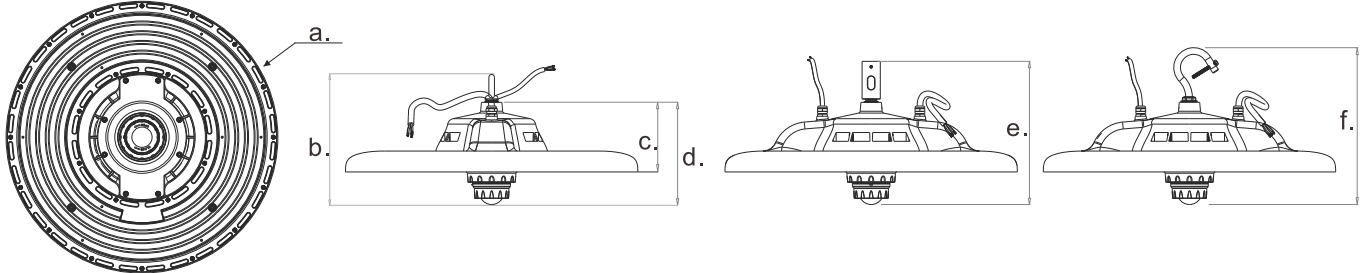


LUMEN PERFORMANCE AND ELECTRICAL DATA TABLE

Model Number	JPRHB-NFH-150W			JPRHB-NFH-240W		
Nominal Wattage	150W			240W		
Color Temperature (CCT)	3000K	4000K	5000K	3000K	4000K	5000K
Nominal Efficacy (lm/W)	Up to 160 lm/W					
Lumens	19,500	20,700	21,000	31,200	33,200	33,600
Frequency @ 120-277VAC	50/60Hz, Max 1.80A			50/60Hz, Max 2.70A		
Frequency @ 277-480VAC	50/60Hz, Max 0.85A			50/60Hz, Max 1.40A		
Max Dimensions (in)	ø13.7" x 7.48" x 5.9"			ø16.57" x 7.56" x 5.98"		
Beam Angle	105° Polycarbonate Optics Standard / 90° & 60° Polycarbonate Optics Optional					
Impact Resistance Rating	IK08					
Ingress Protection Rating	IP65 / IP69K					
Certifications & Compliance	NSF Rated and ETL Listed					
Dimming	0-10V Dimming Standard					
Control Options	Bi-Level Plug & Play Microwave Occupancy Sensor w/ Hand-held Remote Control / Bi-Level Plug & Play PIR Sensor / Bi-level Microwave Stand-Alone Sensor Controlled by Bluetooth Smart Device App / DLC Listed Integrated Single Channel Silvair Bluetooth Controller / CASAMBI Bluetooth Netowrk Lighting Control System / DLC Listed SIG Certified Silvair BLE Mesh Network TruBlu Bluetooth Lighting					
CRI	80 CRI Standard					
Power Factor	≥0.90					
THD	≥15%					
L70 Lifespan (TM21 Calculated)	L70 @ 174,000Hrs. / L80 @ 129,000Hrs. / L90 @ 81,000Hrs.					
Housing Material	Wash-down/Steam Clean, Corrosion and Impact Resistant Aluminum Alloy / Polycarbonate Lens Standard Eye-Hook Ring for Chain Mount and 5FT Power Cord					
Ambient Working Temp	-40°C to +55°C (-40°F ~ +131°F) Ambient					
Limited Warranty	10 Years					



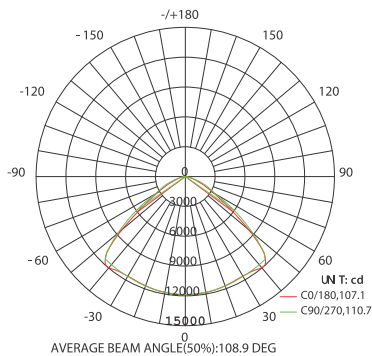
PRODUCT DIMENSIONS



Identification	150W	240W
a.	348mm, 13.7"	421mm, 16.57"
b.	190mm, 7.48"	192mm, 7.56"
c.	98mm, 3.86"	100mm, 3.94"
d.	150mm, 5.90"	151.8mm, 5.98"
e.	203mm, 7.99"	204.8mm, 8.06"
f.	230mm, 9.05"	231.8mm, 9.13"

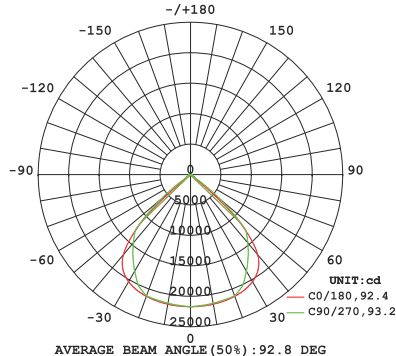
PHOTOMETRY

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



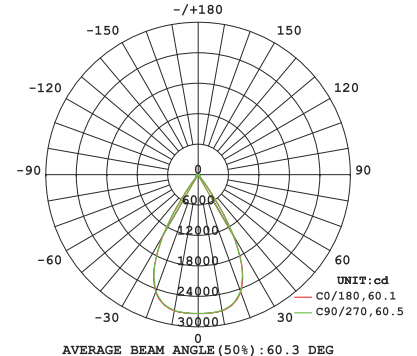
105deg

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



90deg

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

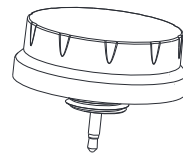
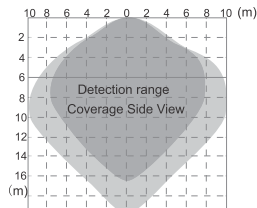


60deg

MOTION SENSING PARAMETERS

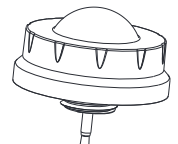
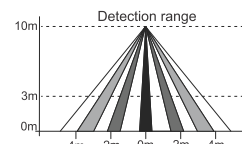
MICROWAVE MOTION SENSOR

- Operating voltage: 12V
- Microwave frequency: 5.8GHz
- Transmitting power: <1mW
- Mounting height: 12m Max.
- Detection radius: 4m
- Detection speed : 0.5-1.5m/s



PIR MOTION SENSOR

- Operating voltage: 12V
- Mounting height: 12m Max.
- Detection radius: 4m
- Detection speed : 0.5-1.5m/s



SENSOR REMOTE

ELECTRIC PARAMETERS

- Working Voltage: AAA battery* 2pcs (2.2-3V)
- Screen OFF Duration: 60S
- Icon Flicking Duration: 5S
- S(start) button ON Duration: 10S
- M(Memory) button Flicking Duration: 3S
- Carrier Frequency: 38KHz $\pm$ 2KHz
- Operation Distance Max. 15M/49ft (3V)
- Emission Angle: < 30 degree
- Standby Current: <1.2uA
- Working Current: < 5mA
- Peak Current: <30mA
- Working Temp: -20°C - +60°C
- Storage Temp: -30°C - +85oc



⚠ WARNING

Remove the batteries from compartment if the remote will not be used in 30 days.

As the control angle of the Infrared Remote Controller is fixed (15°), If the distance between sensors is too close, the sensors in the signal range will be set at the same time Please refer to the below chart for the distance of the installation of the sensor. There may have slight deviations between dimension in the diagram and the real one! Infrared remote control can not only transmit in a straight line, but also be reflected by objects. Different environments have different effects. The following is only for reference.

