FRHBNSF

FOOD GRADE HIGHBAY

Fidelux FRHBNSF Food Grade Highbay luminaires provide high efficiency and energy savings in a rugged yet contemporary NSF-Certifed IP66 / IP69K die cast aluminum housing. The FRHBNSF series is primarily designed to operate in environments for food handling, food processing, and food preparation, as well as other applications requiring direct, high-pressure washdowns.

With light output of up to 150 lm/W, the FRHBNSF Series also offers a wide operating temperature range, corrosion-resistant tempered glass lenses, and a option for versatile motion and light sensing. Microwave motion / ambient sensing can be field programed with handheld remote.

- Corrosion-resistant tempered glass lens
- Energy-efficient performance up to 150 lm/W
- Die-cast aluminum housing
- Durable powder coated white finish
- >60,000 hour operating life (L70)
- Sensing and control options

Project _____

Catalog Number _____

Type _____

Date _____

5.625"

17.125"

UL LISTED WET LOCATION

NSF

IP66 IP69K

RoHS COMPLIANT

DLC QPL LISTED PREMIUM

5 YEARS WARRANTY

HOUSING Corrosion resistant IP66 / IP69K die-cast aluminum housing with powder coated white finish.

LENS Corrosion resistant tempered glass

LEDS Beam spread 120˚ standard. LM-80 tested. CRI >80. Operating life >60,000 hours (L70).

ELECTRICAL 120-277V standard with 277-340V option; 50/60 Hz. Power factor 0.95. THD <10%. Drive current 2400 mA. 10KV Surge protection standard.

CONTROLS AND SENSORS 0-10V dimmable standard. Motion and ambient light sensor and remote control available.

TEMPERATURE The FRHBNSF series is designed to operate in temperatures of -40˚F to 113˚F (-40˚C to 45˚C).

ACCESS / WIRING Factory-installed SW3 IP67 wiring connector included. Power (5') and dimming leads (1') factory installed. Direct wiring to leads or via Pendant Mount adapter PM or pendant+junction box PJB (IP66).

MOUNTING Hook (included), pendant via mounting adapter, and pendant+junction box. Tether secured to housing for ease of installation and safety.

WEIGHT 9.6 lbs
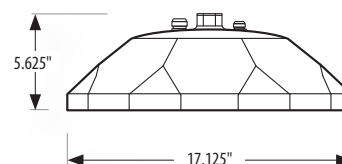
LISTINGS DLC Premium. UL Wet Location. IP65. IP69K. NSF.
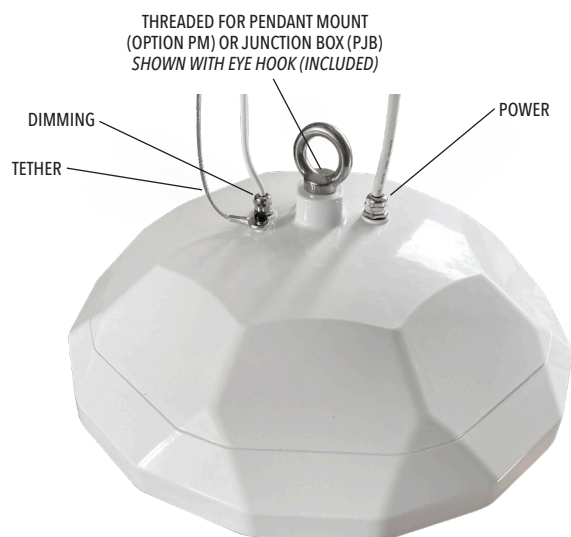
WARRANTY 5 year limited warranty.

Ordering Guide

Example: FRHBNSF-100W-50K-120D-UNV-D-S2

Series	Wattage	CCT	Beam Angle	Input Voltage	Controls[1]	Mounting Options	Accessories
FRHBNSF	80W 100W 150W 200W	30K 3000K 40K 4000K 50K 5000K	120D 120˚	UNV-D 120-277V with 0-10V dimming (STD) H-D 277-480V with 0-10V dimming	0-10V Dimming (STD) S2 Microwave motion / ambient light sensing	PM Pendant mount adapter PJB 3/4" NPT Junction Box for pendant mounting	Order Separately FRHBNSF-S2RC Remote

[1] Sensor Default Factory Settings: Sensitivity: 100%; Daylight Sensing: Disabled; Hold Time: 5 min; Standby time: 10 min; Standby dimming level: 30%
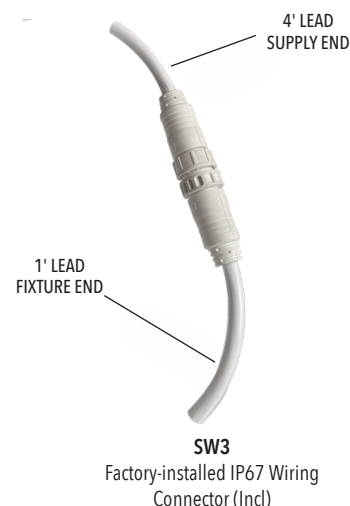
Settings can also be preset to your specifications by factory before delivery. Please note your preferred preference when submitting the purchase order.

THREADED FOR PENDANT MOUNT (OPTION PM) OR JUNCTION BOX (PJB)
SHOWN WITH EYE HOOK (INCLUDED)

DIMMING

TETHER

POWER

4' LEAD SUPPLY END

1' LEAD FIXTURE END

PM
Pendant Mount Adapter

PJB
3/4" NPT Junction Box

SW3
Factory-installed IP67 Wiring Connector (Incl)

V2 2/15/2022 *SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.*

203 774 5653 • www.fidelux.com • *For custom options and accessories, contact factory*

Photometrics   UNITS @5000K
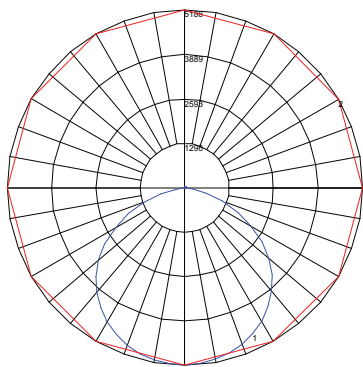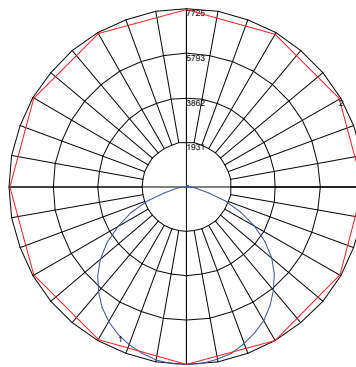
FRHBNSF-80W

Polar Graph

Maximum Candela = 4216.44
Located At Horizontal Angle = 0,
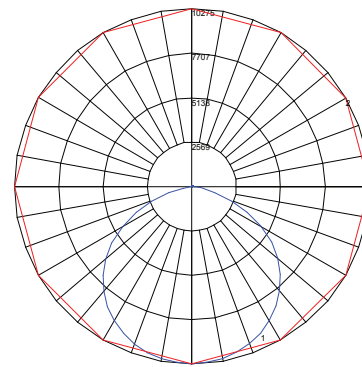Vertical Angle = 0

FRHBNSF-100W

Polar Graph

Maximum Candela = 5185.66
Located At Horizontal Angle = 0,
Vertical Angle = 0

FRHBNSF-150W

Polar Graph

Maximum Candela = 7724.53
Located At Horizontal Angle = 0,
Vertical Angle = 0

FRHBNSF-200W

Polar Graph

Maximum Candela = 10275.49
Located At Horizontal Angle = 0,
Vertical Angle = 0

FRHBNSF Series Specification Summary

|	FRHBNSF-80W	FRHBNSF-100W	FRHBNSF-150W	FRHBNSF-200W
DLC Primary Use	High-Bay Luminaires for Commercial and Industrial Buildings			
Wattage	80W	100W	150W	200W
Efficacy lm/W @ 5000K	150 lm/W			
3000K DLC Product ID	PLQRIPC8582U	PLC1TZX2HQK6	PLHO5ZUA1T2Q	PL76GXK2JUP3
Lumens @ 3000K	11038	14161	20514	26509
4000K DLC Product ID	PL7RJDH0X1CH	PLEZ5U26VZIK	PLM7EJOZBIL7	PLE9YCDLS0DW
Lumens @ 4000K	11440	14300	21450	28600
5000K DLC Product ID	PLRPF0R0G2A0	PLI7T33MK26J	PLJ1BK2IGBVC	PLFJ7A6EACHG
Lumens @ 5000K	11913	14793	21975	29812
CRI	>80			
THD @ 277VAC	<10%			
Color Temperatures	3000K / 4000K / 5000K			
Dimming	0-10V			
Input Voltage Options	100-277V; 277-480V			
Power Factor	.95			
Beam Spread	120°			
L70 Lifespan (TM21)	>60,000 hours			
Ambient Working Temp	-40°F to 113°F (-40°C to 45°C)			
Max Dimensions (in)	17.125" Dia. x 5.625" H			
Total Weight	9.6 lbs			
Limited Warranty	5 Yrs.			

Values are nominal

S2 12V Low Voltage Programmable Occupancy Sensor
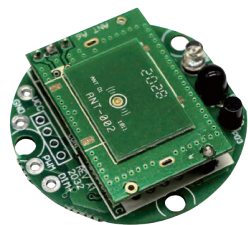
The S2 Sensor provides occupancy and ambient light level sensing capabilites
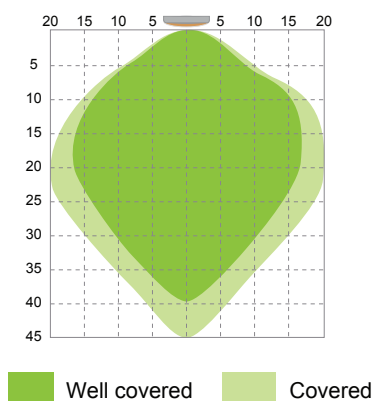
## S2RC Hand-held Remote

Features
- Motion / Light Sensor Control
- Scenes
- Detection Range
- Output Power: 0% to 100%, 5% Increments
- Daylight Threshold
- Hold Time
- Stand-by Period
- Stand-by Dimming Level
- Test Mode

The S2RC Hand-Held Remote provides easy and wireless sensor programming and testing

Detection Pattern

- Well covered
- Covered

Sensor Operation and Configurability

S2 Sensors are designed to provide excellent performance out of the box. They are also highly programmable, allowing the user to adjust Detection Range, Daylight Threshold, Output Power - 0% to 100% in 5% Increments, and Hold Time, Stand-by Period, and Stand-by Dimming Level.

These features enable a dynamic, highly energy-efficient means to create a well-lit and safe environment throughout a very wide range of applications.

Natural light

Lux off

light on automatically

light off automatically

Lux on
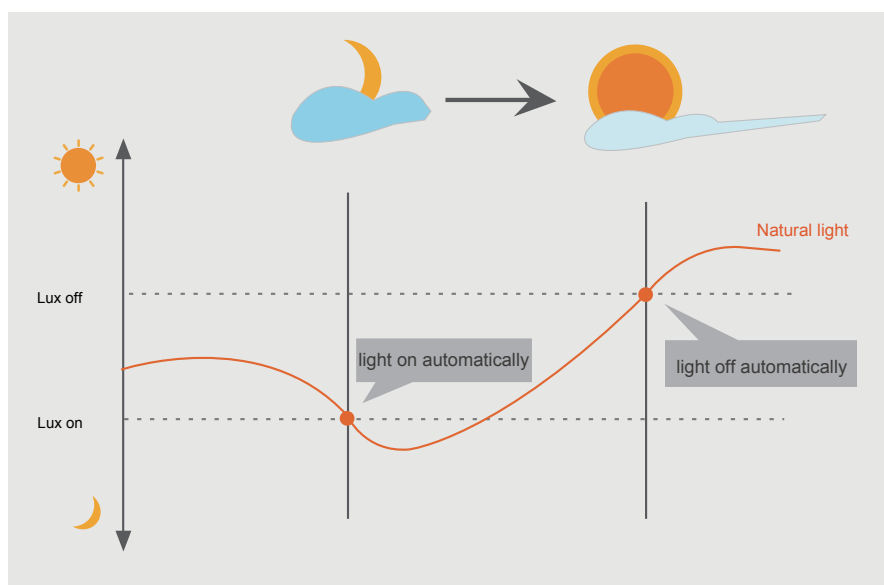
Factory Defaults

- Detection Range: 100%
- Output Power: 100%
- Daylight Threshold: Disabled
- Hold Time: 5 min
- Stand-by Period: 10 min
- Stand-by Dimming Level: 30%

Available Settings

- Detection Range: 100%, 75%, 50%, 25%
- Output Power: 0-100%; 5% increments
- Daylight Threshold (lux): Disabled, 2, 10, 30, 50, 80, 120
- Hold Time: 5s, 30s, 1m, 3m, 5m, 10m, 20m, 30m
- Stand-by Period: 0s, 10s, 30s, 1m, 5m, 10m, 30m, Infinite
- Stand-by Dimming Level: 0%, 10%, 30%, 50%

Customization

Settings can also be preset to your specifications by factory before delivery.

Please note your preferred preference when submitting the purchase order.