

**HBNSF SERIES NSF CERTIFIED BAY LIGHT**

Client:  
 Project:  
 Type:  
 Quantity:

**CONSTRUCTION**

Die-cast aluminum housing, driver enclosure detached from luminaire, increases airflow, maximizes heat dissipation and life expectancy of the luminaire. IP66 & IP69 rated protection against dust and powerful, high temperature water jets. IK08 rated protected against 5 joules impact, equivalent to impact of 1.7kg mass dropped from 300mm above impacted surface. Suitable for interior/exterior, wet, high pressure washdown applications.

**OPTICS**

High efficient clear Polycarbonate lens protects LEDs against solid and liquid impact, symmetric LED board layout offers maximum uniformity illumination. Distributon available in 60 / 90 / 120DEG.

**ELECTRICAL**

80 CRI Lumileds LED available in 3000K / 4000K / 5000K CCT  
 -30°C up to 50°C (-22°F up to 122°F) maximum operating temperature.  
 Long-life 131,000 hr @ L70, Ta = 25C.  
 Universal Input 100-277V, 0-10V dimming, with 12V AUX output, 50/60Hz, <15% THD, 0.95 power factor.

**SENSORS (OPTIONAL)**

SENSOR-ANT-5-2 Integral Microwave on/off/dimming/photosensing.  
 SENSOR-BLE-5-2 Integral Microwave ALS Control bluetooth/on/off/dimming/photosensing.

**MOUNTING**

Standard Ring Hook w/10" Safety Cable included.  
 Optional Pendant Mount Adapter.

**STANDARD FINISH**

Corrosion resistant semi-gloss White finish.

**CERTIFICATION**

National Sanitation Foundation Certified & Listed.  
 IP66 & IP69 Wet location label standard. IK08 Rated.  
 Meets Buy America Act requirements, Available for BAA Compliant projects.  
 All luminaires are built to UL1598 standards and bear appropriate cETLus labels.  
 For Emergency application, equipment with UL924 certified battery packs.  
 DLC® Premium (DesignLights Consortium Qualified)

**WARRANTY**

5 year warranty, see Limited Warranty for additional information.



**SHIPPING DATA**

Product	Measurement	Weight
HBNSF-100	16"L x 16"W x 9"H	10 lb
HBNSF-120	16"L x 16"W x 9"H	10 lb
HBNSF-150	16"L x 16"W x 9"H	11 lb
HBNSF-200	16"L x 16"W x 9"H	12 lb



**HBNSF SERIES NSF CERTIFIED BAY LIGHT**

ORDER INFORMATION				EXAMPLE : HBNSF 100 40 60 WH UD		
Fixture	Series	Power & LM	CCT	Lens	Finish	Input
	<b>HBNSF</b>				<b>WH</b>	<b>UD</b>

<b>A</b>	SERIES	
	<b>HBNSF</b>	NSF Certified Bay Light

<b>B</b>	POWER & LM			
	Code	Power	LM	LPW
	<b>100</b>	100W	14,000lm	140lm/W
	<b>120</b>	120W	16,800lm	140lm/W
	<b>150</b>	150W	21,000lm	140lm/W
	<b>200</b>	200W	28,000lm	140lm/W

<b>C</b>	CCT	
	<b>30</b>	3000K
	<b>40</b>	4000K
	<b>50</b>	5000K

<b>D</b>	LENS	
	<b>60</b>	60DEG
	<b>90</b>	90DEG
	<b>120</b>	120DEG

<b>E</b>	FINISH	
	<b>WH</b>	White

<b>F</b>	INPUT	
	<b>UD</b>	120-277V, 0-10V Dimmable

**HBNSF SERIES NSF CERTIFIED BAY LIGHT**

**ORDER INFORMATION (CONTINUED)**

Mounting

Accessories  
 Options

**G MOUNTING**

blank Ring Hook w/10" Safety Cable (standard)  
 MOUNT-HBNSF-P 3/4" Pendant Mount Adapter

**H ACCESSORIES/OPTIONS**

BAA Assembled in America, compliant with BAA (COTS)  
 SENSOR-ANT-5-2\* Integral Microwave on/off/dimming/photosensing  
 SENSOR-BLE-5-2\* Integral Microwave Bluetooth on/off/dimming/photosensing (ALS Control Mobile App)  
 REMOTE-RC100 Handheld Remote Commissioning Tool for SENSOR-ANT (1 per job)  
 EMB-40W\* Wet Location Self-Diagnostic Emergency Battery 40W 100-347VAC Input 170VDC Output  
 -CORD 18-3 300V 6 Foot Cord  
 -PLUG 6 Foot Cord and 3 Prong Plug  
 TWIST-LOCK Specify Plug Type: **L515P / L715P / HBL5929 / L8-20P**

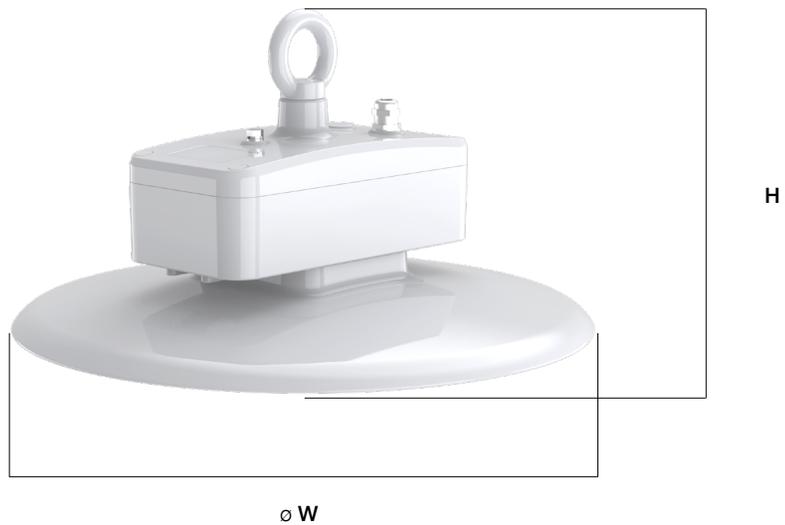
\*see page 6 for sensor spec

**HBNSF SERIES NSF CERTIFIED BAY LIGHT**

**DIMENSIONS**

Model	H	W
HBNSF-100		
HBNSF-120	8.30" (211mm)	∅ 15.66" (398mm)
HBNSF-150		
HBNSF-200		

**Luminaire**



**HBNSF SERIES NSF CERTIFIED BAY LIGHT**

**PERFORMANCE**

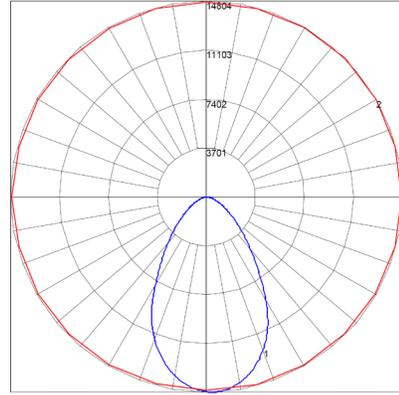
**HBNSF-150 @ 150W 5000K 60DEG**

Zone	Lumen	Luminaire%
0-30	9765	49.60
0-40	13769	70.00
0-60	18308	93.00
0-90	19681	100

Lumen: 19680  
 Input Watts: 148.63 W  
 Efficacy: 132 LPW

Maximum Candela = 14804 Located At Horizontal Angle = 45, Vertical Angle = 2  
 # 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

IES: HBNSF-1505060 @ 150W 5000K 60 DEG



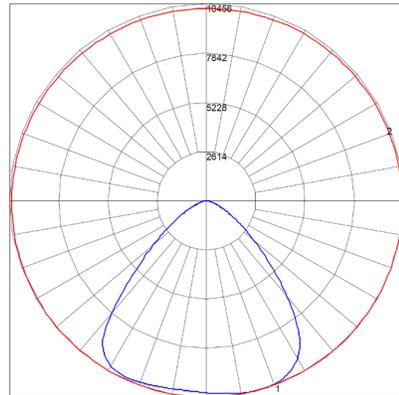
**HBNSF-150 @ 150W 5000K 90DEG**

Zone	Lumen	Luminaire%
0-30	8638	40.00
0-40	14148	65.60
0-60	20232	93.80
0-90	21575	100

Lumen: 21575  
 Input Watts: 150.33 W  
 Efficacy: 144 LPW

Maximum Candela = 10456 Located At Horizontal Angle = 292.5, Vertical Angle = 15.5  
 # 1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (15.5) (Through Max. Cd.)

IES: HBNSF-1505090 @ 150W 5000K 90 DEG



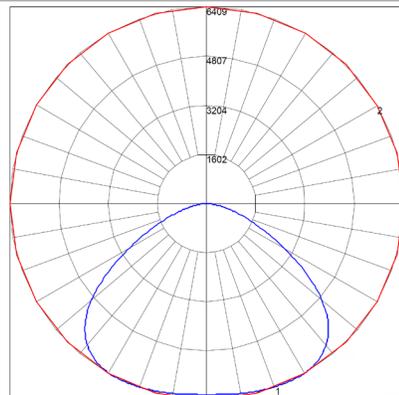
**HBNSF-150 @ 150W 5000K 120DEG**

Zone	Lumen	Luminaire%
0-30	5361	26.70
0-40	9292	46.30
0-60	17082	85.00
0-90	20085	100

Lumen: 20085  
 Input Watts: 150.59 W  
 Efficacy: 133 LPW

Maximum Candela = 6408.9 Located At Horizontal Angle = 0, Vertical Angle = 26  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (26) (Through Max. Cd.)

IES: HBNSF-15050120 @ 150W 5000K 120 DEG



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**SENSOR SPEC**

Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-ANT-5-2	Microwave	up to 40FT	30FT radius	12V DC	On/Off/Dimming	REMOTE-RC100
SENSOR-BLE-5-2 (see page 7 for detail)	Microwave	up to 40FT	30FT radius	12V DC	Bluetooth Mesh On/Off/Dimming Daylight Harvesting	ALS Control Bluetooth Mobile App

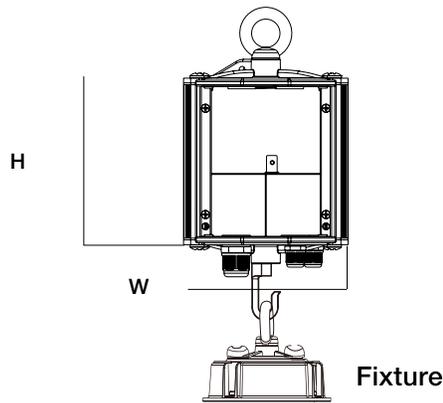


SENSOR-ANT-5-2  
 SENSOR-BLE-5-2

**HBNSF SERIES NSF CERTIFIED BAY LIGHT**

**EMERGENCY BATTERY**

Model	H	W	Compatible
EMB-40W	6.80" (173.00mm)	ø 5.47" (139.00mm)	120W and above

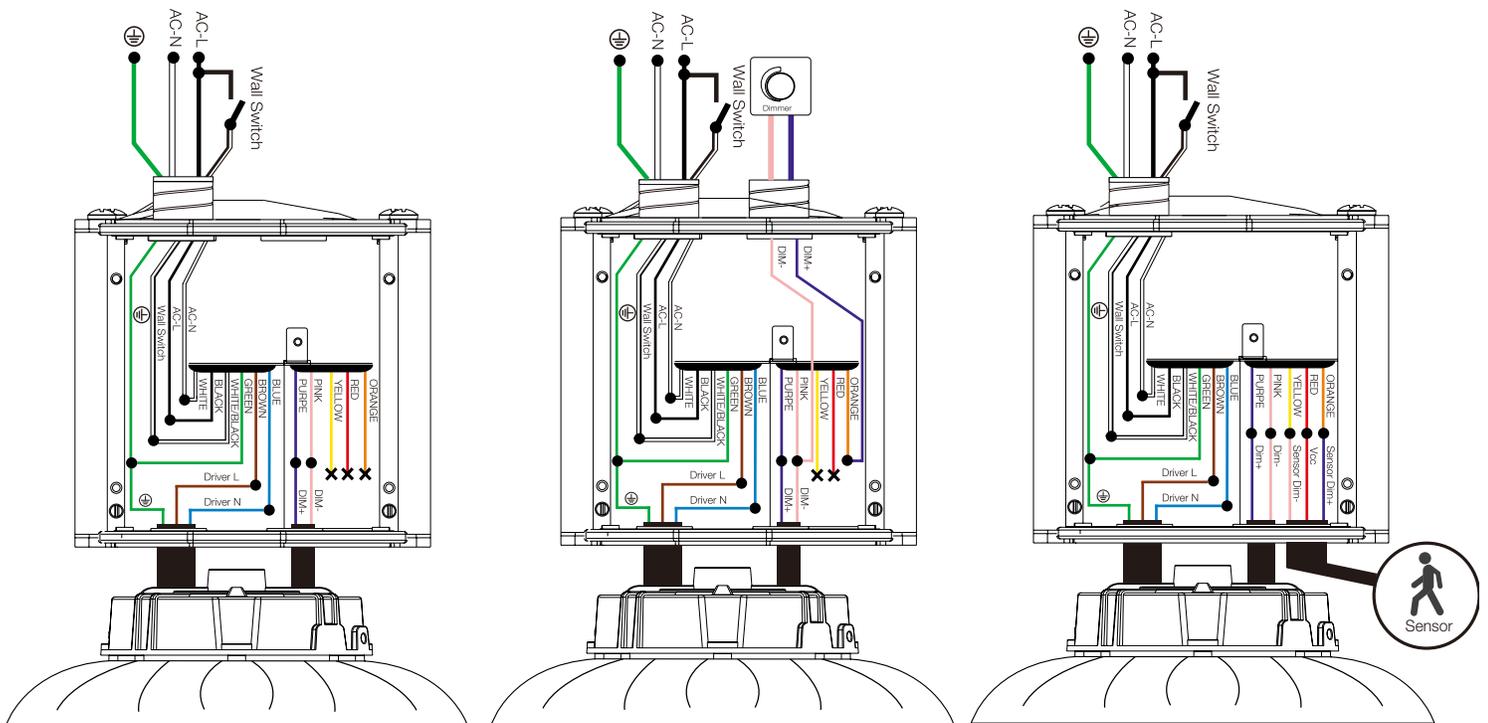


**EMERGENCY BATTERY DIAGRAM**

**On/Off**

**w/0-10V Dimmer**

**w/DC Sensor  
 SENSOR-ANT-6-4T**



**FEATURE**

- **Installation:** Factory Install - Integral to Fixture
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** Hold time, High-Low setting, continuous Bi-level dimming, Code-compliant manual-on or auto-off capability
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight Harvesting
- **Room and Zone Control:** Zoning and Grouping control, Scheduling

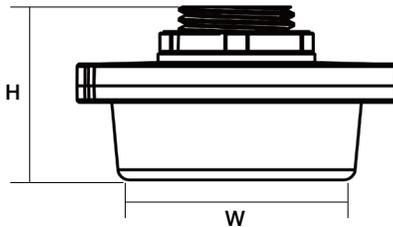


**SPECIFICATIONS**

**SENSOR TYPE:** Microwave  
**WIRELESS STANDARDS:** Bluetooth SIG Mesh  
**INPUT VOLTAGE:** 12-24VDC, >50mA  
**CONTROL OUTPUT:** 0-10V  
**OPERATING TEMP:** -4°F ~ +140°F (-20°C ~ +60°C)

**COMMISSIONING RANGE:** 50FT  
**BLUETOOTH RANGE:** Integral antenna up to 164FT  
**DETECTION ANGLE:** 360°  
**MOUNTING HEIGHT:** Up to 40FT  
**WARRANTY:** 5 years  
**IP RATING:** IP65

**DIMENSIONS**



H	W
1.2" (31mm)	Ø 1.7" (Ø 43mm)

**COVERAGE PATTERNS**

