

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	
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Fixture	Series	Power & LM	CCT	Lens	Finish	Input
	HBNSF				WH	UD

A SERIES

HBNSF	NSF Certified Bay Light
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B POWER & LM

Code	Power	LM	LPW
100	100W	14,000lm	140lm/W
120	120W	16,800lm	140lm/W
150	150W	21,000lm	140lm/W
200	200W	28,000lm	140lm/W

C CCT

30	3000K
40	4000K
50	5000K

D LENS

60	60DEG
90	90DEG
120	120DEG

E FINISH

WH	White
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F INPUT

UD	120-277V, 0-10V Dimmable
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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

AIA	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

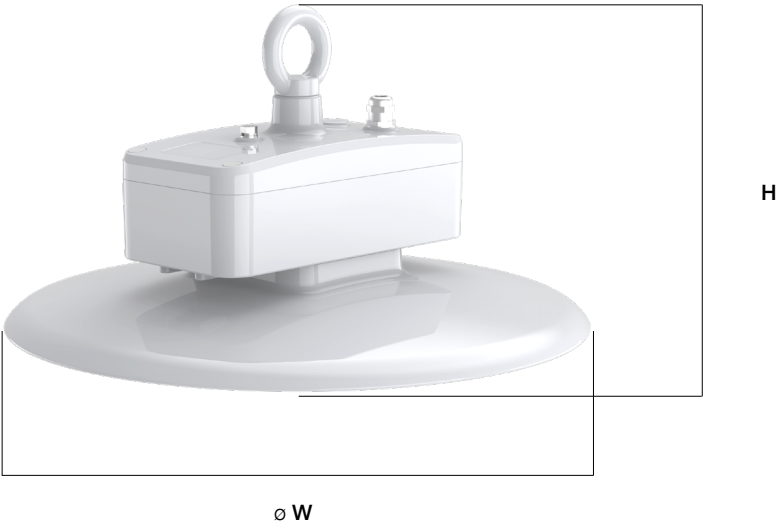
*see page 6 for sensor spec

HBNSF SERIES NSF CERTIFIED BAY LIGHT

DIMENSIONS

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

Luminaire



HBNSF SERIES NSF CERTIFIED BAY LIGHT

PERFORMANCE

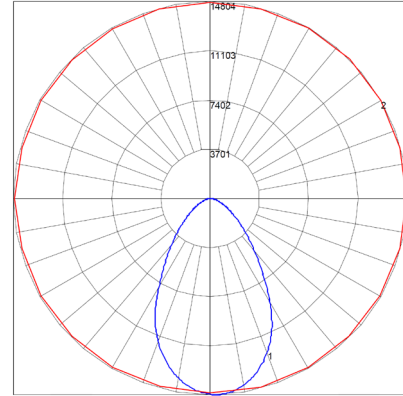
HBNSF-150 @ 150W 5000K 60DEG

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



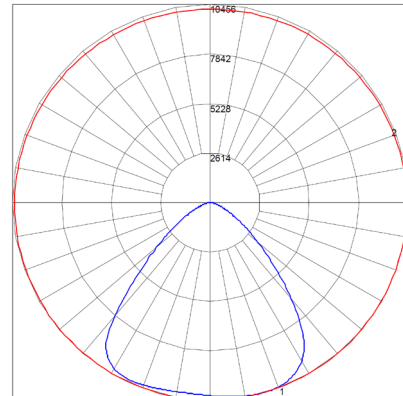
HBNSF-150 @ 150W 5000K 90DEG

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



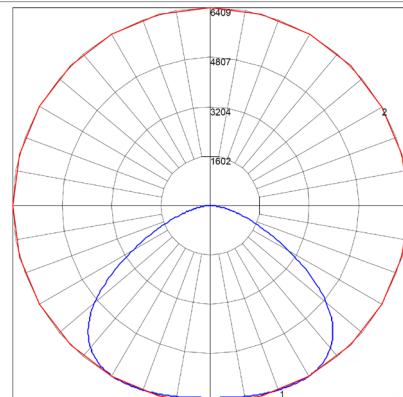
HBNSF-150 @ 150W 5000K 120DEG

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

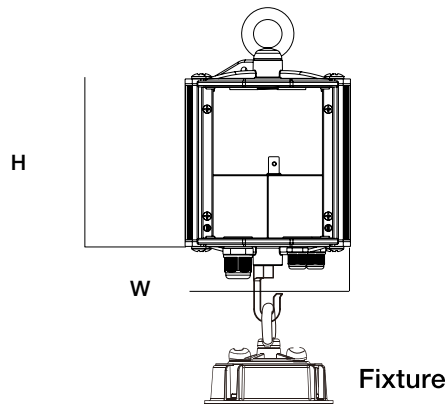


SENSOR-ANT-5-2
 SENSOR-BLE-5-2

HBNSF SERIES NSF CERTIFIED BAY LIGHT

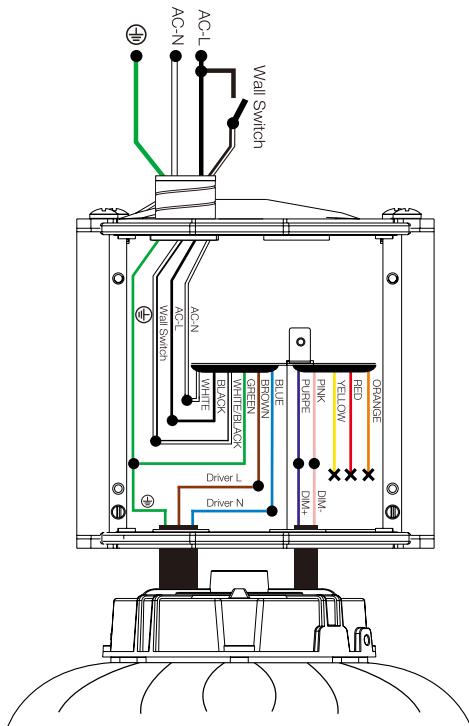
EMERGENCY BATTERY

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

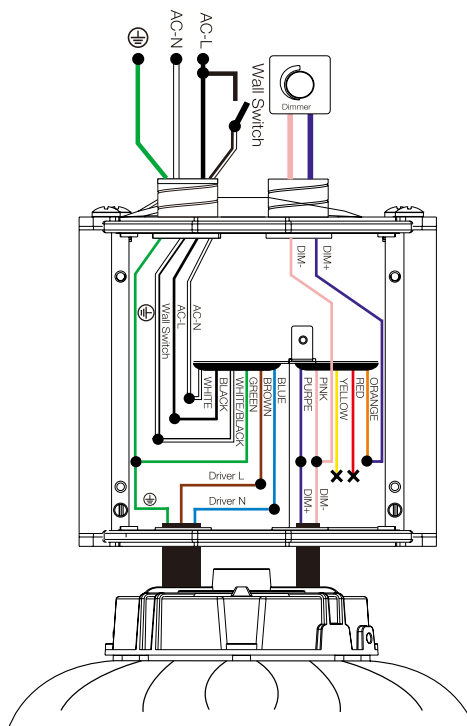


EMERGENCY BATTERY DIAGRAM

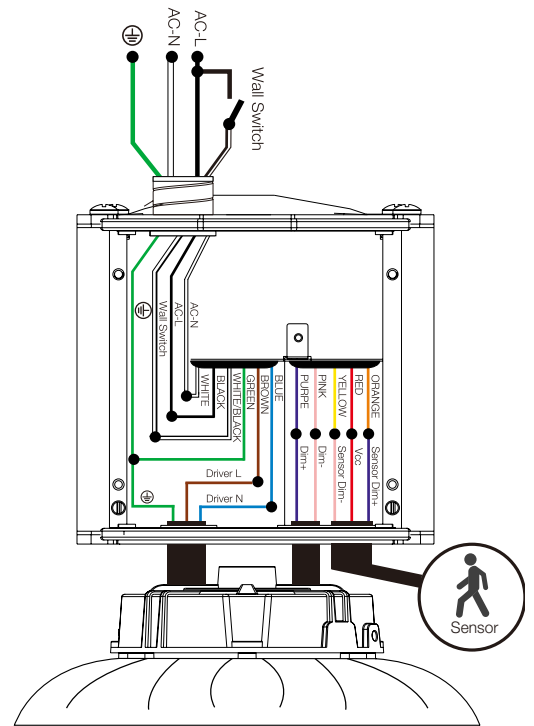
On/Off



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

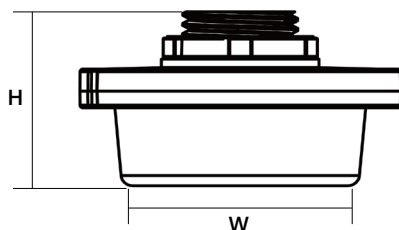


SPECIFICATIONS

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

