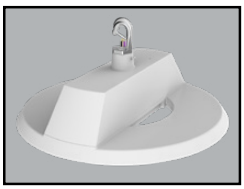
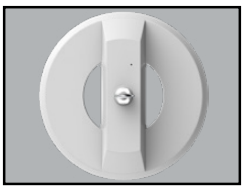
LITETRONICS®

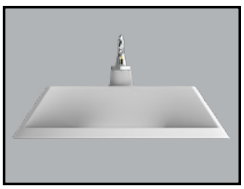
PROJECT:			
CATALOG #			
TYPE:		DATE:	

LED NSF HIGH BAY PRO

WATT AND CCT SELECTABLE WITH SENSOR SOCKET







DESCRIPTION

Meet the LED NSF High Bay Pro—a high-performance lighting solution built for environments where cleanliness, durability, and reliability are non-negotiable. NSF-certified, NEMA 4X, and IP69K-rated, it is completely dust-tight and engineered to withstand high-pressure, high-temperature washdowns. Its sleek, sanitary design features a smooth housing with no exposed hardware or crevices, helping minimize the buildup of moisture, dirt, and bacteria while supporting the strictest hygiene standards.

Designed to do more with less, the LED NSF High Bay Pro delivers outstanding versatility through selectable wattage and CCT, paired with a patented all-in-one 120–480V driver. This innovative combination provides up to nine performance configurations in a single fixture, making it easier to meet the needs of a wide range of applications while simplifying inventory and installation. A rugged polycarbonate lens with 3 beam angle selections and durable construction ensure dependable performance in even the harshest operating conditions.

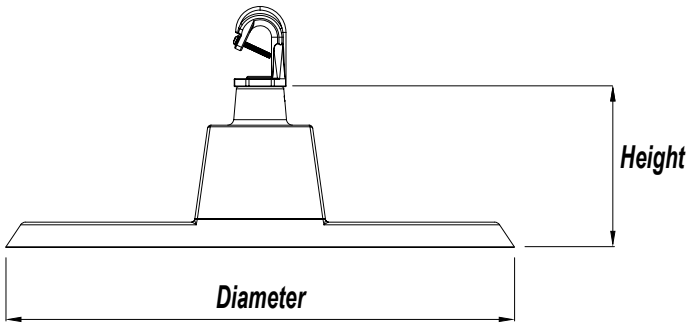
Backed by a 100,000-hour rated life and a 10-year warranty, the LED NSF High Bay Pro delivers exceptional lighting performance, reduced maintenance, and long-term value.

MOUNTING

- Hook (Standard)
- Pendant

DIMENSIONS / WEIGHT

Order Code	Diameter	Height	Weight
HBFP200	16.61″	5.28″	11.68 Lbs.



MARKETS

- Food & beverage processing
- Commercial kitchens
- Power plants
- Marinas
- Manufacturing facilities
- Cold storage and freezer facilities

FEATURES

- 120–480V
- Watt & CCT Selectable
- 3 beam angle selections: 60° | 80° | 100°
- NSF certified
- IP69K rated
- Wet location rated
- 10-year warranty
- 100,000-hour rated life
- Non-toxic, corrosion-resistant aluminum body
- Shatter-resistant polycarbonate lens
- 0–10V dimming
- Smooth, easy-to-clean body
- Remote Controls & Commissioning Tools:
  SCR053 (Sold Separately)
  SCR054 (Sold Separately)
- Sanitary design with concealed hardware
- 10′ cord
- 160 LPW
- Pre-installed safety cable
- DLC 6.0 Premium
- NEMA 4X

CERTIFICATIONS

DLC LISTED PREMIUM · NSF · INTERTEK ETL LISTED US · FEDERAL COMMUNICATIONS COMMISSION FC USA · RoHS COMPLIANT

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SPECIFICATIONS

Life (@L70): 100,000 hours
Warranty: 10 years

PERFORMANCE

Operating temp: -40°F to 122°F (-40°C to 50°C)
Efficacy (LPW): 160
CRI: ≥80

ELECTRICAL

Input voltage: 120–480V
Input frequency: 50/60Hz
PF: >0.9
THD: <20%
Surge protection: 6kV
Dimming: 0–10V
Whip/Cord: 10'
Sensor Options: Optional Plug-In PIR Sensor or Bluetooth PIR Sensor with IR

OPTICAL

Beam Angle: Selectable 60° | 80° | 100°
Lens: Polycarbonate
UGR: N/A

PHYSICAL

Finish: Powder-coated
Color: White
Housing: Aluminum

INDUSTRY STANDARDS/RATINGS

IP: IP69K
IK: IK08
Location: Wet Location
NSF: Yes
ETL: Yes
FCC: Yes
RoHS: Yes
DLC: 6.0 Premium

ORDERING INFORMATION

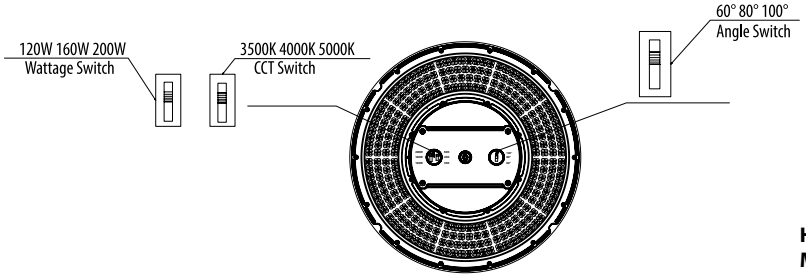
Main Fixture

Ordering Code	Description	Watts	Volts	CCT (K)	Lumens
HBFP200	NSF High Bay Pro Watt and CCT Selectable with Sensor Socket	120 | 160 | 200	120–480V	3500 | 4000 | 5000	19,200 | 25,600 | 32,000

PRODUCT OVERVIEW AND INSTALLATION

Watt, CCT and Beam Angle Adjustment

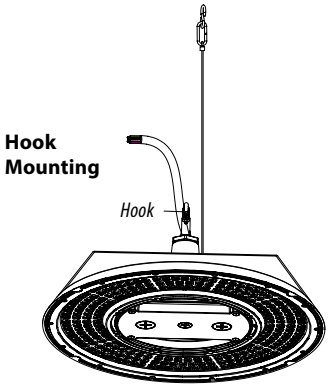
Field-selectable wattage, CCT, and beam angle for fast, flexible customization—protected by a waterproof cover for reliable performance.

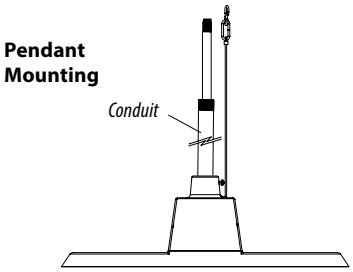


Hanging the NSF High Bay Pro

Includes standard hook mounting with optional chain or cable suspension for installation flexibility.

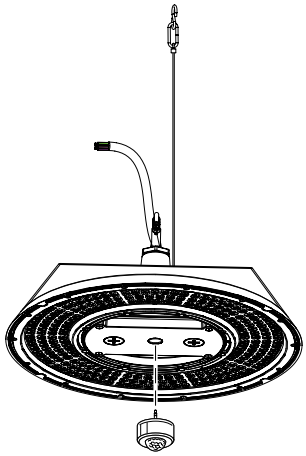
For pendant mounting, remove the hook and thread a 3/4" conduit directly onto the fixture.





Sensor Capable

Optional PIR and Bluetooth PIR sensors (sold separately) provide occupancy sensing and daylight harvesting for enhanced energy savings.



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ACCESSORIES

Accessories - Emergency Battery Backup

Ordering Code	Image	Description	Usage
EB40PAM		40W Emergency Battery Backup Pro (120–480V)	Supplies 90 minutes of battery backup to the fixture in times of a power outage. • This unit is compatible with fixtures using ≥80W and ≤300W. • Adhesive mounted indicator module (EBAM). Field installed.
TR01		Test Remote Control	Used for testing and demonstrating the functionality of EB40PAM emergency battery backup.

Note: Emergency battery backup and indicator module need to be mounted in a dry location.

Accessories - Sensors & Controls

Ordering Code	Image	Description	Usage
SC005		Plug-in PIR Sensor For Up to 40 ft. max. Mounting Height	Enable occupancy sensing and daylight harvesting on pluggable fixtures. Settings can be easily adjusted via remote control SCR053, sold separately. Maximum operating height 40 ft. max.
SC008		Plug-in Bluetooth PIR Sensor with IR For Up to 40 ft. max. Mounting Height	This sensor enables wireless control of fixtures or groups of fixtures through the LiteSmart mobile app. Maximum operating height 40 ft. max.
SC016		Plug-in PIR Sensor For Up to 50 ft. max. Mounting Height	This sensor enables occupancy sensing and daylight harvesting. Settings can be easily adjusted via remote control SCR053, sold separately. Maximum operating height 50 ft. max.
SCR053		Remote Control for plug-in PIR and Microwave sensors	Used to adjust sensor settings after installation, from the ground. (For use with SC005, SC016)
SCR054		Remote Control for Bluetooth plug-in PIR and Microwave sensors	Used to commission Litetronics' next-generation LiteSmart IR-enabled sensors. (For use with SC008)

Accessories - Bluetooth Control Switches

Ordering Code	Image	Description	Usage
BCS03		Bluetooth battery-powered wall switch	Provides on/off, dimming, daylight harvesting, and scene selection control with battery power.
BCS05		Bluetooth AC-powered wall switch 120-277V	Control functionality of the fixture; on/off, dimming and scene selection with AC power.

Note: Switches don't have CCT or wattage selectable capability.

WIRELESS CONTROL WITH PLUG-IN SENSORS

Optional PIR sensors, (SC005 and SC016) can be configured using remote control SCR053 for quick setup and adjustment of individual fixtures.

The Bluetooth PIR sensors with IR (SC008) use the SCR054 remote (sold separately) to commission Litetronics' next-generation LiteSmart IR-enabled sensors.

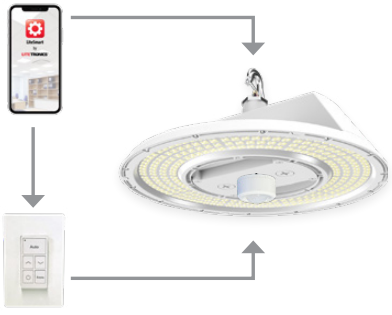
LITESMART

Download on the App Store

GET IT ON Google Play

LiteSmart is a mobile app that provides complete control of your lighting system from your smartphone or tablet. Within the app, all functionality can be set up and controlled; on/off, dimming, grouping, scene creation and time scheduling. Adjustments can also be made to the occupancy sensor and daylight harvesting settings, then implemented across an entire group in seconds.

- Total control over your lighting system
- Quickly apply changes across individual fixtures or entire groups
- Further energy savings through occupancy sensing, daylight harvesting, and maximum wattage control
- Ability to create custom scenes based on specific needs
- Time scheduling that sets hours of operation per day



Set up and manage your space with LiteSmart.
Use a wireless wall switch for convenient everyday control.

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