



# 90W LED Highbay Fixture

Order Code: HB71420



## Description

Venture Lighting's Modern Highbay luminaires are low profile, durable, and designed for long life and low maintenance. They are designed to quickly and easily upgrade existing H.I.D and fluorescent fixtures.

## Construction

The high performance LED source is mounted to an aluminum heat sink which is designed to ensure proper thermal management of the system. This design allows for a cooler running LED chip which leads to longer lifetime, better efficacy, and color consistency. Fixtures are rated for an ambient operating temperature range -22°F to 122°F (-30°C to 50°C). Modern high bay luminaires are water and dust resistant, with IP65 rating.

## Optics

The 90W unit comes with a standard 120 degree beam spread for lower mounting heights, but can be adjusted in the field using the 90 degree lens.

## Electrical

The power supply has a range of 120-277V, 50/60 Hz. 0-10V DC dimming capability is standard. The luminaire is rated for damp and dry locations.

DLC Model# HW-090N8-AA

## Product Performance

|                                         |                                |
|-----------------------------------------|--------------------------------|
| Wattage                                 | 90W                            |
| Lumen Output                            | 9500                           |
| Correlated Color Temperature (CCT)      | 4000K                          |
| Color Rendering Index (CRI)             | 80                             |
| Lumen Maintenance @50,000 hours*        | 92%                            |
| Calculated L70 @ 25°C Ambient in Hours* | 240,000                        |
| Replaces HID Wattage                    | 250W                           |
| Spacing Criterion (0-180)               | 1.3 x mtg height               |
| Spacing Criterion (90-270)              | 1.3 x mtg height               |
| Beam Angle (°)                          | 120°                           |
| Operating Temperature Range             | -22°F to 122°F (-30°C to 50°C) |

## Physical Characteristics

|                     |            |
|---------------------|------------|
| Input Cable Length  | 5ft.       |
| Safety Cable Length | 3ft.       |
| Fixture Color       | White      |
| Weight              | 6.7 lbs    |
| Length              | 10.4" dia. |
| Height              | 6.8"       |

## Electrical Characteristics

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Amperage Draw (Input Volts/Amps) | 120/0.76 208/0.45 240/0.40 277/0.36 |
| Surge Protection                 | 4kV                                 |

## Regulatory Qualifications

cULus Listed

DLC Qualified - Model# HW-090N8-AA

## Accessories

LN13528 - 90 DEGREE PLASTIC LENS FOR 90W HIGHBAY

LN13597 - CLEAR PLASTIC LENS FOR 90W HIGHBAY

RF13376 - 10.4" Dia. Alum. Shield for 90W Highbay (Silver)

AC78182 - 90W Pendant Mount Kit (White) for ¾" NPT

Add suffix "-S1" to order code for a factory installed fixture with a MOTION ONLY Sensor part # PH41623

Add suffix "-S2" to order code for a factory installed fixture with a MOTION/DIM/PHOTOCELL Sensor part # PH77409

Add suffix "-S3" to order code for a factory installed fixture with a WET & LOW TEMP. RATED MOTION ONLY Sensor (Part # PH21458)

Add suffix "-S4" to order code for a factory installed fixture with a WET & LOW TEMP. RATED MOTION/DIM/PHOTOCELL Sensor (Part # PH27419)

For factory installed plug options see below

For plug options see accessories tab (NOT FACTORY INSTALLED)

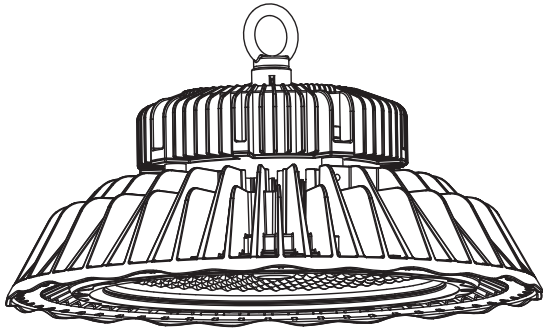
## NOTE:

\*Lumen maintenance data is based on LED testing per IESNA LM-80-08 and projected per IESNA TM-21-11



VENTURE  
LIGHTING

# Venture 90W LED Highbay Fixture



LN13597



LN13528

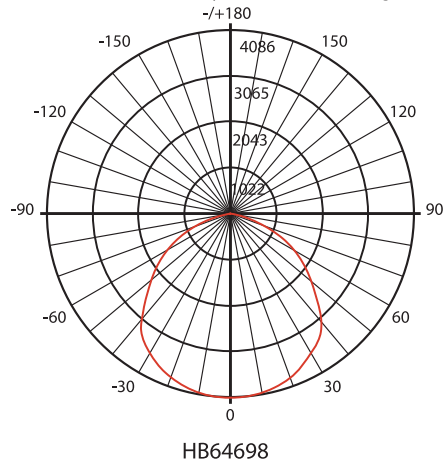


RF13376



S1/S2 Factory Installed Sensor

Luminous Intensity Distribution Diagram



NEMA L5-15



NEMA L18-20P



NEMA L6-15



NEMA L7-15P

## Plug Options\*

"-P1" - NEMA L5-15P for 120V

"-P2" - NEMA L6-15P for 240V

"-P3" - NEMA L7-15P for 277V

"-P5" - NEMA L18-20P for 208V

## Molded Plug Options with 11ft Cable\*

"-P6-C" - NEMA L5-15P for 120V w/ Cable

"-P7-C" - NEMA L6-15P for 240V w/ Cable

"-P8-C" - NEMA L7-15P for 277V w/ Cable

"-P10-C" - NEMA L18-20P for 208V w/ Cable

NOTE: \* Add Suffix to Part# for Factory Installed option

Factory installed plug options

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