LEDSION

300W Linear Highbay LED Light

Date:---------- Location: ----------

Product:----------Project:----------

Quantity:----------Catalog#----------



Motion Sensor / EBU optional.

FEATURES

- 4ft long fixture for wider illumination area, plug-and-play sensor optional.
- Aluminum alloy housing with best heat dissipation, replace 1000w Metal halide.
- Easy aircraft cable for hassle-free installation.
- DLC UL LISTED, life time 50,000 hours.

SUITABLE APPLICATIONS

- Warehouse lighting
- Basement lighting
- Shopping mall lighting
- Facility lighting

CONSTRUCTION

Heavy-duty die-cast aluminum alloy housing with a white powder-coated finish for enhanced sturdiness and corrosion resistance
Frosted polycarbonate (PC) optical lens for uniform, glare-free light distribution

ELECTRICAL SPECIFICATIONS

Wide voltage input range: 120–277V AC
Operating temperature range: -20°C to 45°C

OPTICAL SYSTEM

High-brightness Lumileds LED chips for superior luminous efficiency
100° beam angle

INSTALLATION&MOUNTING:

Flexible installation options: Suspended or ceiling-mounted
Simple mounting design for quick and hassle-free setup

WARRANTY

5-year limited warranty
Note: Actual product performance may vary depending on end-user operating environment and application conditions

PERFORMANCE

Model NO	Motion Sensor Detection Distance	Wattage	Voltage/CurrentInput		Light Efficiency	Kelvin Options
			120V	277V		
AST-PHB08F-300W BMP3A2-abdf	max 40FT	300W	2.5A	1.08A	140LM/W	5000K

OPTIONAL ACCESSORIES



Remove the cap and insert the sensor



Emergency Battery Backup.Model no: LSA40FY-170

PRODUCT ORDERING GUIDE

AST-PHB08F-300WBMP3A2-abdf
1 2 3

AST - PHB08F - 300WBMP3A2 - abdf

☑ ATS Company name

☑ PHB08F Product series, LED Linear High Bay Light

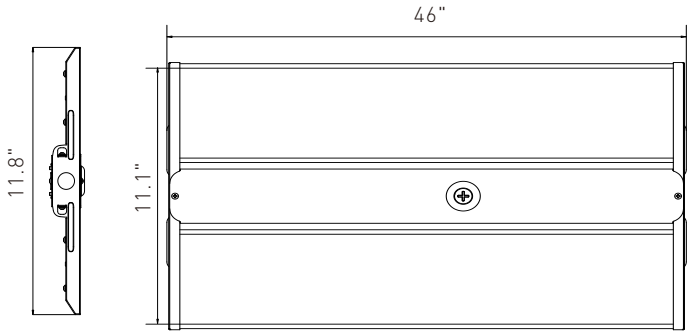
300WBMP3A2

☑ 300W Power 300W
CCT:5000K

Electric Characteristic

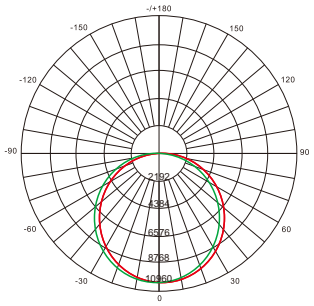
Specification/Model	AST-PHB08F-300WBMP3A2-abdf
LED Driver	LF-FAA320
Input power	300W
Lumens output	42000LM
Efficiency	140LM/W
CRI	＞80
Color Temperature	5000K
Input voltage	120-277V/AC
Light distribution type	90D
Working temperature	-20+40℃
Junction temperature	＜75℃
lamps efficiency	≥90%
Certificate	UL CUL DLC
Equivalent	300-900W MH/HPS

DIMENSION



DISTRIBUTION DIAGRAM

AST-PHB08F-300WBMP3A2-abdf



AVERAGE BEAM ANGLE(50%): 90°

UNIT:CD

C0/180,113.7
C30/210,100.1
C60/240,108.6
C90/270,130.9

Lumens:42000LM
Test Number:300W
Test Number:5000K

A.Hanging Installation:(Chain/Cable)

Step1.Attach the chain in place. [Figure 1]
Step2.Connect the chain to the fixture. [Figure 1]
step3.Secure the chain to the mounting rail, and adjust the chain length to the desired length. [Figure 1]
Step4.Once the chain is fixed, select an appropriate wiring knockout, then wire the fixture in compliance with local electrical standards and codes.

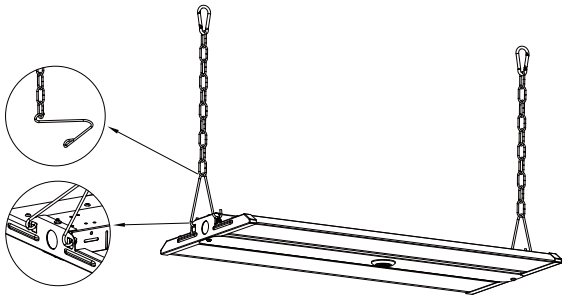


Figure 1

B. 3/4" NPT Installation

Step1.Mount the bracket onto the 3/4" NPT port. [Figure 2]
Step2. Secure the fixture onto the bracket. [Figure 3]
Step3. Wire the fixture in compliance with local electrical standards and codes.
Step4. Tighten the side brackets using a screwdriver. [Figure 4]



Figure 2

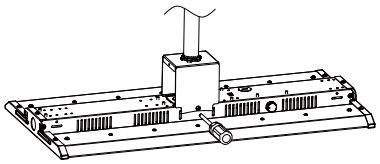


Figure 3

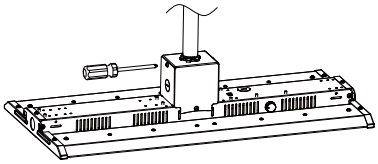


Figure 4

C. Surface Mounting:

[Note: If this bracket is used for the fixture, the backup driver option is not available.]

Step1.Mount the bracket onto the mounting surface and secure it firmly.
Step2.Fasten the fixture onto the mounted bracket.
Step3.Connect the wires in compliance with local electrical standards and codes.

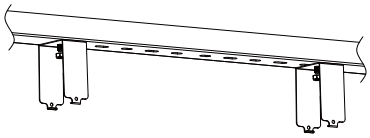


Figure 5

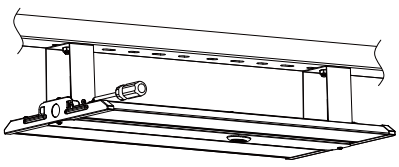


Figure 6

Extra Accessory Option Installation

1.Wire Guard 2.Motion Sensor / PIR Sensor 3.Backup Driver

Wire Guard

[Note: Purchase the wire guard of the correct size from the manufacturer.]

1.Wire Guard: (Purchase the correct size wire guard from manufacturer)
Step1.Unscrew the two screws on the front of the lamp;(Figure 7)
Step2.Place the wire guard on the lamp and fix it with screws.(Figure 8)

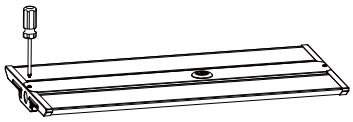


Figure 7

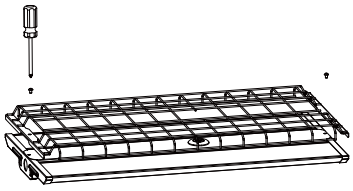


Figure 8

2-1. Motion Sensor/PIR Sensor

(Note: Both sensors share the same installation procedure)

Step1.Use a screwdriver to remove the face cover of the fixture. [Figure 9]
Step2.Knock out the side cover, mount the sensor onto the side mounting position, and wire the sensor in accordance with the instructions provided on the sensor itself. [Figure 10]
Step3.Replace the face cover and secure it with the screwdriver. [Figure 11]

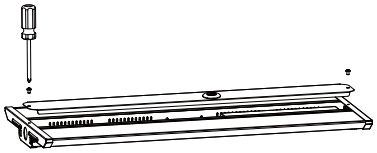


Figure 9

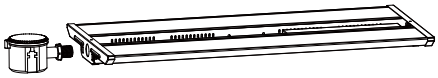


Figure 10

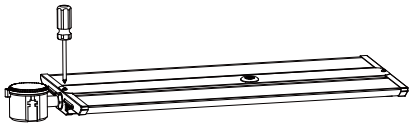
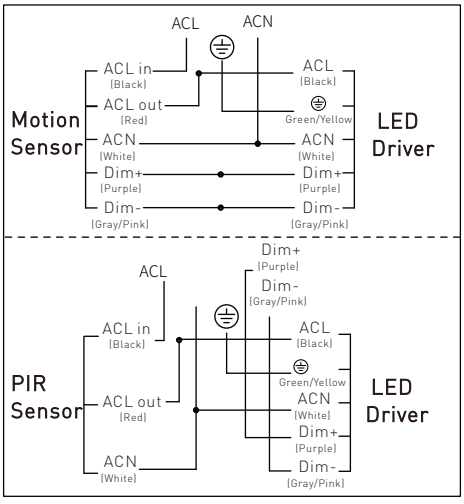


Figure 11

Wiring Instruction



2-2. DC Motion Sensor / PIR Sensor

(Note: Both sensors adopt the same installation method)

Step1.Use a screwdriver to remove the 1/2" plug from the sensor. [Figure 12]
Step2.Twist and lock the DC sensor onto the base to ensure it functions properly, then use the remote control to adjust the working mode as required. [Figure 13]

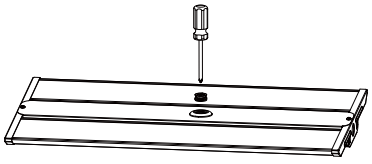


Figure 12

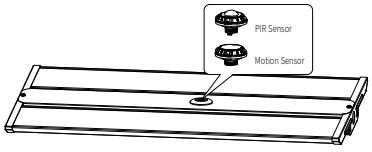


Figure 13