



300W Linear Highbay LED Light



Motion Sensor / EBU optional.



Date:_____ Location: _____

Product:_____ Project:_____

Quantity:_____ Catalog# _____

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

OPTICAL SYSTEM

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

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

ELECTRICAL SPECIFICATIONS

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

INSTALLATION&MOUNTING:

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

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

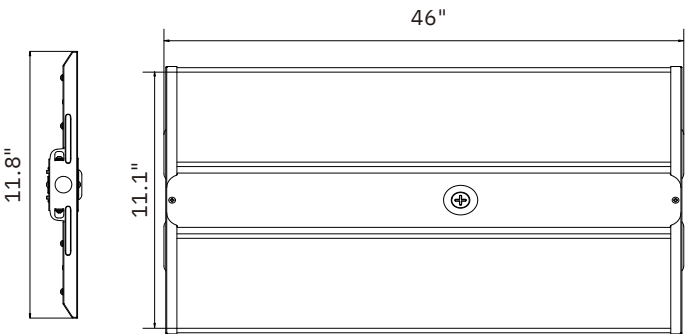
300WBMP3A2

☒ 300W Power 300W
CCT 5000K

➤ Electric Characteristic

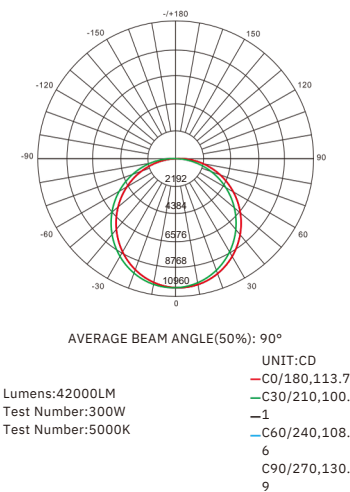
Specification/Model	AST-PHB08F-300WBMP3A2-abdf
LED Driver	LF-FAA320
Input power	300W
Lumens Output	42000LM
Efficiency	140LM/W
CRI	>80
Color Temperature	5000K
Input voltage	120-277V/AC
Light distribution type	90D
Working temperature	-20+40℃
Junction temperature	<75℃
lamps efficiency	≥ 90%
Certificate	UL CUL DLC
Equivalent	300900W MH/HPS

➤ DIMENSION



DISTRIBUTION DIAGRAM

AST-PHB08F-300WBMP3A2-abdf



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.

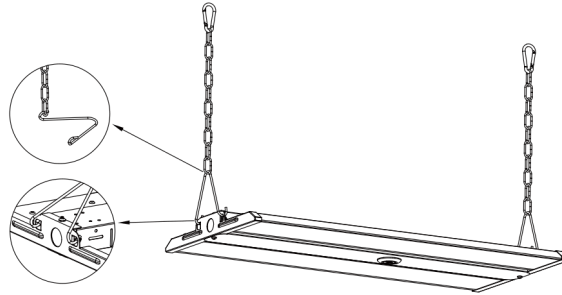


Figure 1

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

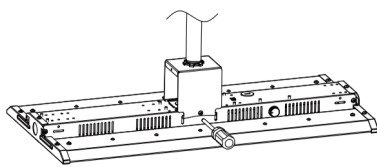


Figure 3

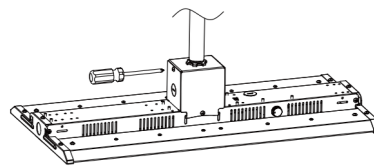


Figure 4

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.

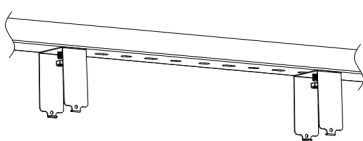


Figure 5

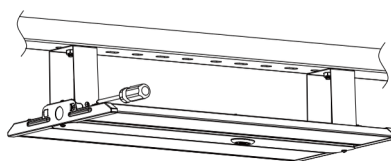


Figure 6

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)

Step 1. Unscrew the two screws on the front of the lamp; (Figure 7)

Step 2. Place the wire guard on the lamp and fix it with screws. (Figure 8)

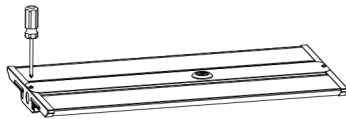


Figure 7

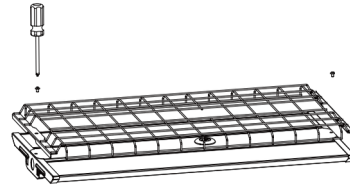


Figure 8

2-1. Motion Sensor/PIR Sensor

(Note: Both sensors share the same installation procedure)

Step 1. Use a screwdriver to remove the face cover of the fixture. [Figure 9]

Step 2. 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]

Step 3. Replace the face cover and secure it with the screwdriver. [Figure 11]

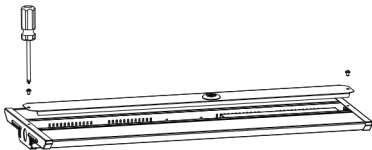


Figure 9

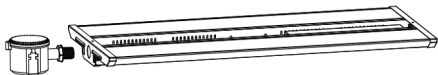


Figure 10

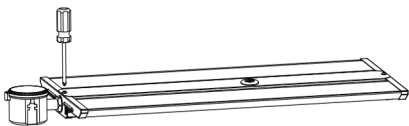
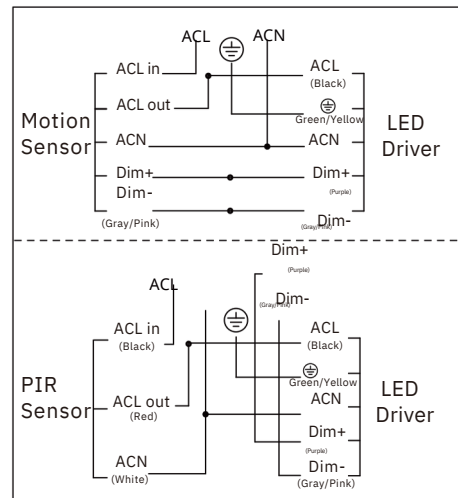


Figure 11

Wiring Instruction



2-2. DC Motion Sensor / PIR Sensor

(Note: Both sensors adopt the same installation method)

Step 1. Use a screwdriver to remove the 1/2" plug from the sensor. [Figure 12]

Step 2. 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]

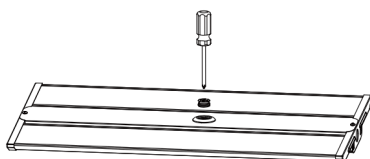


Figure 12

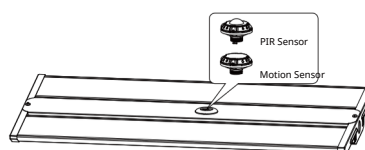


Figure 13