LEDSION

4FT 360/380/400W Linear Highbay LED Light

Date:..... Location: .....

Product:..... Project:.....

Quantity:..... Catalog# .....





FEATURES

- 4ft 360/380/400w Tunable.50K color.
- Emergency driver motion sensor available.
- Die-casting aluminum alloy, good heat dissipation.
- Air-craft hanging cables easy installation.

SUITABLE APPLICATIONS

- Warehouse Lighting
- Base room lighting
- Shopping mall lighting
- Factory lighting

CONSTRUCTION:

Heavy die-cast aluminum alloy housing with white powder-coated finish. Frosted PC optics lens.

ELECTRICAL:

Available as 120-277V input. -20°C to 45°C.

OPTICAL SYSTEM:

High brightness Lumileds chips. 90° beam angle.

INSTALLATION&MOUNTING:

Suspended or Ceiling Mounting for easy installation

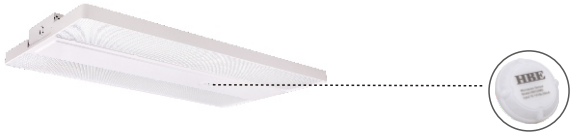
WARRANTY:

5-year limited warranty. Actual performance may differ as a result of end-user environment and application.

PERFORMANCE

Model NO	Motion Sensor Detection Distance	Wattage	Voltage/CurrentInput		Light Efficiency	CCT Tunable
			120V	277V		
AST-PHB10-400WXYL1A1	40FTto50FT	400/380/360W	3.3A/3.16A/3A	1.44A/1.37A/1.3A	140-145LM/W	5000K

OPTIONAL ACCESSORIES



Turn off the cap and insert the sensor

PRODUCT ORDERING GUIDE

AST-PHB10-400WXYL1A1
1 2 3 4

AST - PHB10 - 400W XYL1A1

☑ ATS Company name

☑ PHB10 Product series, LED Linear High Bay Light

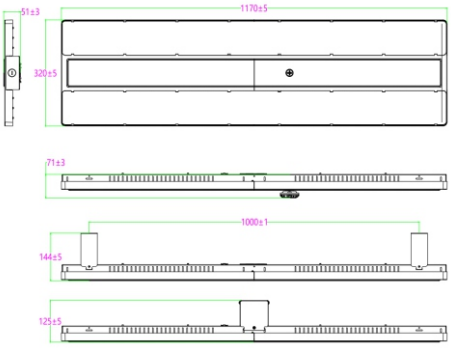
☑ 400W Rating Power 400/380/360W

☑ XYL1A1 5000K

Electric Characteristic

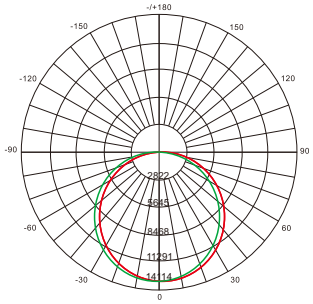
Specification/Model	AST-PHB10-400WXYL1A1
LED Driver	UL Driver
Input power	400/380/360W
Lumens output	56000-58000LM
Efficiency	140-145LM/W
CRI	＞80
Color Temperature	4000K 4500K 5000K 5700K
Input voltage	120-277V/AC
Light distribution type	90D±15D
Working temperature	-20+40℃
Junction temperature	＜75℃
lamps efficiency	⩾90%
Certificate	UL CUL DLC
Equivalent	720–1500W MH/HPS

DIMENSION



DISTRIBUTION DIAGRAM

AST-PHB10-400WXYL1A1



AVERAGE BEAM ANGLE(50%): 100°

UNIT:CD

Lumens:54000-58000LM
Test Number:360-400W
Test Number:5000K

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

LED Linear High Bay
Installation instruction

Cautions:
1. Do not use any electric generator to test the LED light.
2. Please abide by related country, regional and local law and regulations when installing this fixture.
3. Please turn off the power before installation or maintenance
4.Proper earth grounding is required to ensure safety

Notice:
1. To avoid possibility of electrical shock or fire, the installation personnel must have professionalelectric knowledge.
2.Please wear gloves to avoid injury before installation.
3. If any smoke or spark of the wire happened, please tum off the power immediately and notifyrelevant personnel.
4. Please use listed strain relief bushing when connecting the supply cord to the outlet box.

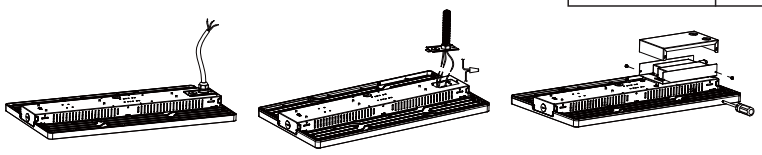
Attention:
1. Please check if there is any damage during shipping. if so, please contact manufacturer timely
2.Please read the nstalationinstruction carefully to check whether a the accessories are complete
After confirmation, install the fixture according to installation steps.

Description :
This product is 0/1-10V dimming,below dimmers are recommended:

Brand	Model
LUTRON	NTSTV-DV
LEVITON	DS710 /IP710
LEGRAND	RH4FBL3P TC

Wiring Diagram & Instruction:
3 dimming functions are available in this high bay light.
1.Constant current can be achieved by 0/1-10VDC dimming,
2.PWM signal dimming;
3. Variation of resistance unit dimming

Wiring Instruction
L:Black,
N:White,
⏚Green/Yellow
DIM +
DIM -
(As for the wire color of DlM+ and DlM-, pls check the light label.)



Please choose the appropriate dimming way according to your needs. You can also choose not to use this function.
*The product can not be connected to a dimming device when it's equipped with Motion Sensor.
Three Installation: Chain/Cable linstallation, 3/4"NPT Installation, Surface Mounting
(Please choose the most suitable installationmethod for the purchased product as per yourneeds)

A.Hanging Installation:(Chain/Cable)
Step1.Hook up the chain; (Figure 1)
Step2.Connect the chain with fixture; (Figure 1)
Step3. Fix the chain on the rail, adjust the chain length as per need; (Figure 1)
Step4.After fixed , choose suitable wiring knock out, connect the wires according to localstandard and code.

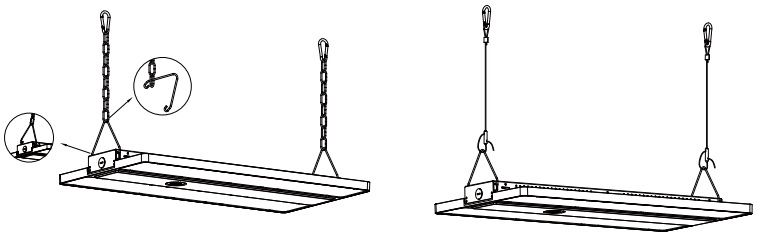


Figure 1

B.3/4"NPT Installation:
Step1. Mount the bracket on 3/4"NPT; (Figure 2)
Step2. Lock fixture on the bracket; (Figure 3)
Step3.Connect the wires according to local standard and code.
Step4.Lock side brackets with screw driver. (Figure 4)



Figure 2

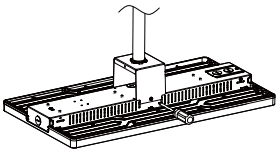


Figure 3

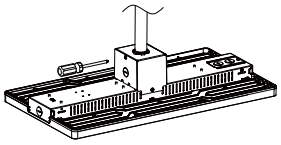


Figure 4

C.Surface Mounting: (If this bracket is used for the fixture, backup driver solution cannot be chosen)

Step1.Mount the bracket on the rail or ceiling; (Figure 5)
Step2.Assemble the lamp on the bracket and fix it with screws; (Figure 6)
Step3. After mounting, choose suitable wiring knock out and connect the wires according to localstandard and code.



Figure 5

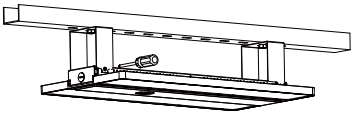


Figure 6

Extra Accessory Option Installation: 1:Wire Guard, 2:Motion Sensor / PIRSensor, 3: Backup driver, 4: Wattage Adjustment.
1.Wire Guard: (Purchase the correct size wire guard from manufacturer)
Place the wire guard on the lamp and fix it with screws. (Figure 7)

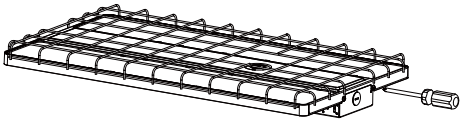


Figure 7

2-1. Motion Sensor/ PIR Sensor: (Both sensor are with same installation)
connect the wires according to the wiring diagram.(Figure 8)

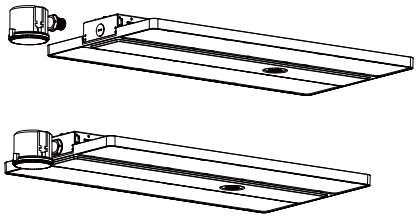
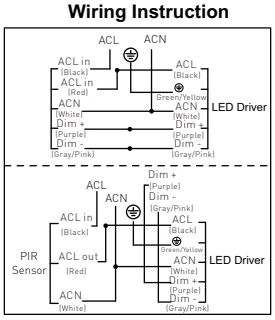


Figure 8



2-2. DC Motion Sensor / PIR Sensor (Both sensors are with the same installation method)
Step1. Use a screwdriver to remove the 1/2 plug from the sensor; (Figure 9)
Step2. Twist-lock the DC sensor to the base to make it work properly, use a remote control to adjust the working mode as per demand. (Figure 10)

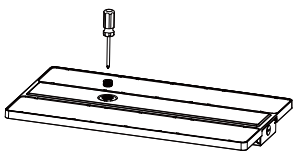


Figure 9

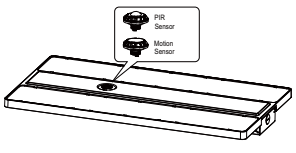


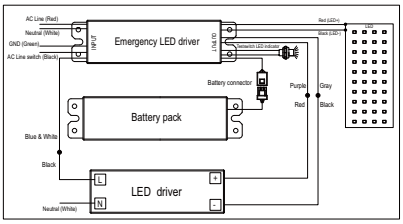
Figure 10

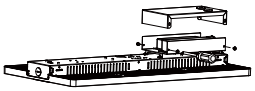
3: Backup driver

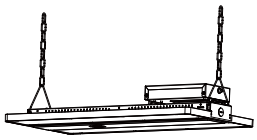
Step1. Open junction box with screw driver.

Step2. Connect the input wires on each backup driver and fixture driver via suitable knock out, then complete the junction.

Wiring diagram (Maintained)







4: Wattage Adjustment

Wattage adjustment switch

