LINEAR HIGH BAY

Installation Guide

⚠ WARNING

PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION

- To prevent personal injury or product damage only licensed electricians should install.
- To avoid electric shock or component damage disconnect power before attempting installation or servicing.
- This product must be installed in accordance with the national electric code (NEC) and all applicable federal, state and local electric codes and safety standards.
- Disconnect product and allow cooling prior to servicing.
- Any alteration or modification of this product is expressly forbidden as it may cause serious personal injury, death, property damage and/or product malfunction.
- To prevent product malfunction and/or electrical shock this product must be properly grounded.
- This luminaire is designed to operate at ambient temperatures ranging from -40°C to 65°C (160/260W), -40°C to 55°C (320W), -40°C to 50°C (200/315/400W). Surface mount/ Yoke mount ambient temperature range: -40°C to 55°C (160/260W), -40°C to 45°C (320W), -40°C to 40°C (200/315/400W), and 0°C to 40°C (emergency mode). It shall be installed horizontally with the LEDs facing downward.
- Min 90°C supply conductors.
- This product is not available for several special environments, such as places with corrosive gas liquids or high pressure water vapor.

Chain Mounting (Default)

Inspect the fixture condition and accessories before installation.

1. Remove four silicone plugs from the mounting holes.
2. Insert the hook's anti-slip component into the fixture's mounting hole.
3. Make electrical connections according to the wiring diagram (refer to the label to ensure the line voltage is within the fixture's operating voltage range).

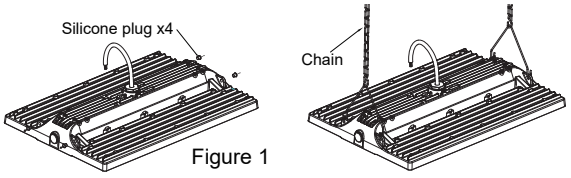


Figure 1

Surface Mounting (Optional)

1. Remove the eight plastic screws from the bracket holes of the heat sink. Secure the small sheet metal brackets to the heat sink's screw holes using M4×10 screws; torque to 5.2 – 10.4 in-lbs. Install each bracket in the orientation specified in the instruction manual. Fit one toothed lock washer onto each bracket prior to fastening it to the heat sink.
2. Cut openings in the ceiling per the mounting hole spacing of the surface mount bracket. Refer to the surface mount bracket drawing in the manual for accurate hole spacing dimensions.
3. First secure the U-bracket to the ceiling. Hang the lamp fixture with pre-assembled brackets onto the U-bracket snap slots through the bracket holes,then tighten them firmly with M4×6 screws, torque to 5.2 – 10.4 in-lbs
4. After assembly, seal all exposed screw threads with silicone plugs.

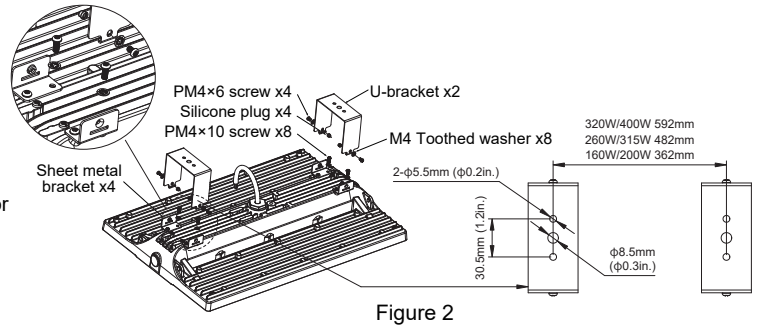


Figure 2

Conduit Pendant (Optional)

1. Remove the 3/4" pipe plug from the bottom of the heat sink to expose the mounting hole.
2.Thread the exiting power cables through 3/4" conduit. (Note: Conduit is not included and shall be provided by others. Exiting power cables are 1 meter long.)
3.Install 3/4" conduit tightly into the mounting hole at the bottom of the heat sink.
4. Secure the conduit with M4×6 screw; torque to 5.2 – 10.4 in-lbs. Refer to Figure 3 for installation details.
5. Complete all required wiring strictly in accordance with the wiring diagram. Verify the product label before wiring to ensure the input voltage matches the luminaire rated voltage range.

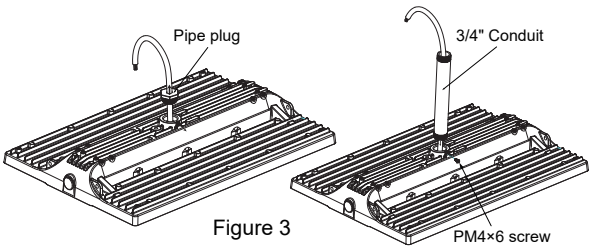


Figure 3

Trunnion Mounting (Optional)

1. Secure the rotating yoke-mount brackets to the screw holes on the heat sink using PM4×10 screws; torque to 5.2 – 10.4 in-lbs. Ensure the brackets are installed in the correct orientation as indicated in the instruction manual. Fit one toothed lock washer onto each bracket before mounting it to the heat sink.
2. Cut openings in the ceiling per the hole spacing of the yoke-mount bracket. Refer to the yoke-mount bracket drawing in the manual for exact hole spacing dimensions.
3. Align the mounting holes of the rotating yoke-mount brackets with the side fixing holes of the U-bracket, then secure them with M5×10 screws; torque to 5.2 – 10.4 in-lbs.
4. Adjust the U-bracket to the desired angle, then lock it in place with M4×8 set screws; torque to 5.2 – 10.4 in-lbs. Refer to the installation diagrams for proper assembly.
5. Complete all required wiring strictly in accordance with the wiring diagram. Verify the product label before wiring to ensure the input voltage matches the luminaire rated voltage range.
6. After assembly, seal all exposed screw threads with silicone plugs.

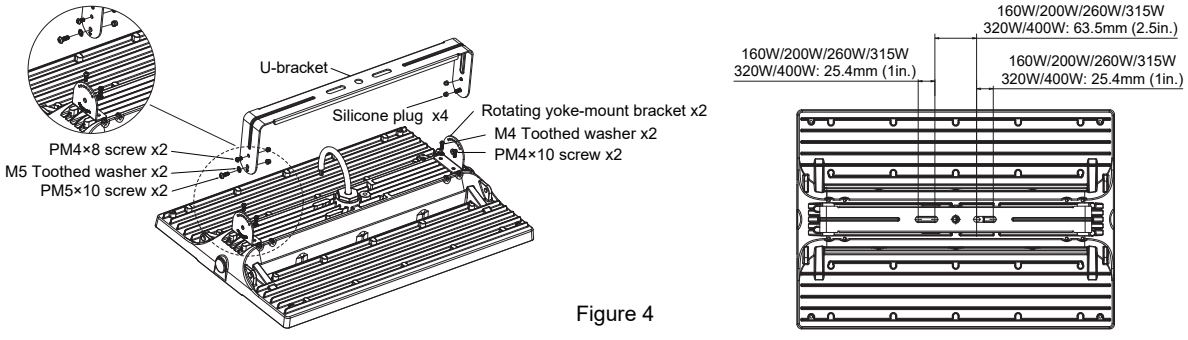


Figure 4

Wattage, CCT and Distribution Setting

1. To access Power and CCT selection controls, remove the 1/2" screw plug from the fixture.
2. Select relevant functions based on the switch positions shown in Figure 5.
3. After making your selection, reinstall the 1/2" screw plug with a flathead screwdriver and tighten to 10.04 – 17.36 in-lbs.

WARNING: Always disconnect power before opening the fixture or adjusting settings. Due to the small diameter of the color temperature and power adjustment apertures, a miniature screwdriver may be required to make adjustments.

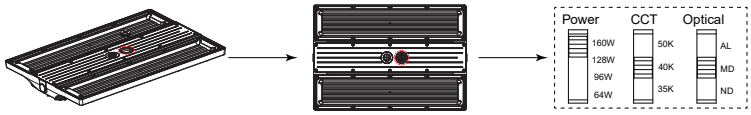
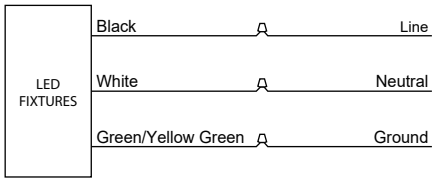


Figure 5

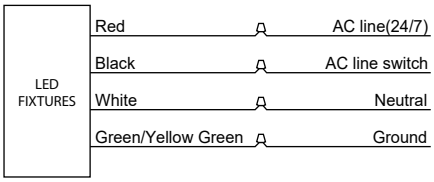
SETTING	POWER						CCT	Distribution
LV1	160W	200W	260W	315W	320W	400W		
LV2	128W	160W	208W	252W	256W	320W	5000K	Aisle
LV3	96W	120W	156W	189W	192W	240W	4000K	Medium
LV4	64W	80W	104W	126W	128W	160W	3500K	Narrow

Wiring Diagram

WITHOUT EMERGENCY BATTERY



WITH EMERGENCY BATTERY



Sensor (Optional)

1. When installing the sensor, remove the fixture's screw plug, insert the sensor, then tighten it clockwise as shown in the figure below.

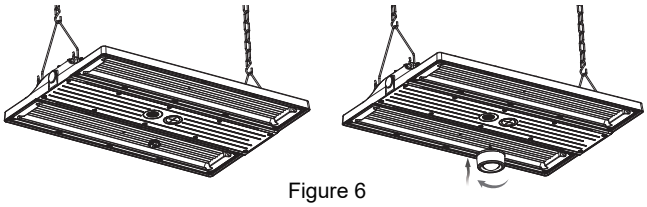


Figure 6

Accessory List

Mounting Type	Accessory Name	Accessory Model	Quantity
Chain mount kit	Chain	Chain 3.7' with hook	2
Surface mount (160W/200W)	Brackets	LH07-210W-L88W40H82.5T1.2 -bright white-brackets	2
	Bracket Pressure Plates	LH10-160W-L35W20H20T1.5-RAL9016 bracket pressure plates	4
	Screw	PM4×10, stainless steel-pan head flat bottom machine screw	8
	Screw	PM4×6, stainless steel-pan head flat bottom machine screw	4
	Toothed washer	M4 Stainless Steel Toothed Washer	8
	Silicone plug	LH06-D5.5H6.5-(W)-55°-150°C-white silicone plug	4
Surface mount (260W/315W)	Brackets	LH07-210W-L88W40H82.5T1.2 -bright white-brackets	2
	Bracket Pressure Plates	LH10-160W-L35W20H20T1.5-RAL9016 bracket pressure plates	4
	Screw	PM4×8, stainless steel-pan head flat bottom machine screw	8
	Screw	PM4×6, stainless steel-pan head flat bottom machine screw	4
	Toothed washer	M4 Stainless Steel Toothed Washer	8
	Silicone plug	LH06-D5.5H6.5-(W)-55°-150°C-white silicone plug	4
Surface mount (320W/400W)	Brackets	LH07-210W-L88W40H82.5T1.2 -bright white-brackets	2
	Bracket Pressure Plates	LH10-320W-L35W17H20T1.5-RAL9016 bracket pressure plates	4
	Screw	PM4×8, stainless steel-pan head flat bottom machine screw	8
	Screw	PM4×6, stainless steel-pan head flat bottom machine screw	4
	Toothed washer	M4 Stainless Steel Toothed Washer	8
	Silicone plug	LH06-D5.5H6.5-(W)-55°-150°C-white silicone plug	4
Trunnion mount (160W/200W)	Brackets	LH10-160W-L414W40H97T2-RAL9016-TR bracket	1
	Bracket Pressure Plates	LH10-160W-L50W45H20T2-RAL9016 bracket pressure plates	2
	Screw	PM4×8, stainless steel-pan head flat bottom machine screw	2
	Screw	PM4×10, stainless steel-pan head flat bottom machine screw	4
	Screw	PM5×10, stainless steel-pan head flat bottom machine screw	2
	Toothed washer	M4 Stainless Steel Toothed Washer	2
	Toothed washer	M5 Stainless Steel Toothed Washer	2
	Silicone plug	LH06-D5.5H6.5-(W)-55°-150°C-white silicone plug	2
	Silicone plug	LH06-D6H6.5-(W)-55°-150°C-white silicone plug	2
Trunnion mount (260W/315W)	Brackets	LH10-260W-L534W40H97T2-RAL9016-TR bracket	1
	Bracket Pressure Plates	LH10-160W-L50W45H20T2-RAL9016 bracket pressure plates	2
	Screw	PM4×10, stainless steel-pan head flat bottom machine screw	6
	Screw	PM5×10, stainless steel-pan head flat bottom machine screw	2
	Toothed washer	M4 Stainless Steel Toothed Washer	2
	Toothed washer	M4 Stainless Steel Toothed Washer	2
	Silicone plug	LH06-D5.5H6.5-(W)-55°-150°C-white silicone plug	2
	Silicone plug	LH06-D6H6.5-(W)-55°-150°C-white silicone plug	2
Trunnion mount (320W/400W)	Brackets	LH10-320W-L644W40H97T2-RAL9016-TR bracket	1
	Bracket Pressure Plates	LH10-160W-L50W45H20T2-RAL9016 bracket pressure plates	2
	Screw	PM4×8, stainless steel-pan head flat bottom machine screw	4
	Screw	PM4×10, stainless steel-pan head flat bottom machine screw	2
	Screw	PM5×10, stainless steel-pan head flat bottom machine screw	2
	Toothed washer	M4 Stainless Steel Toothed Washer	2
	Toothed washer	M5 Stainless Steel Toothed Washer	2
	Silicone plug	LH06-D5.5H6.5-(W)-55°-150°C-white silicone plug	2
	Silicone plug	LH06-D6H6.5-(W)-55°-150°C-white silicone plug	2