LED LINEAR HIGH BAY NG-LHB06

PRODUCT OVERVIEW

FEATURES

- Available in 165W - 400W power range
- Voltage rating: AC120~277V / AC277~480V
- Plug-and-play sensor-ready design; 0-10V dimming
- Rugged cold-rolled steel housing
- Adjustable CCT and power
- **Optional:** Occupancy / Microwave / Daylight sensors;
  Bluetooth control / Emergency battery backup
  Third-party smart network compatible
- Distribution options: Prismatic diffuser / Aisle optics / Narrow lens
- 100,000-hour lifespan & 5-year warranty

CCT Adjustable

CCT 5000K
4000K

Power Adjustable

W 100%
80%
60%
40%

PRODUCT FAMILY



2FT 3FT 4FT

DLC LISTED PREMIUM | c ETL us Intertek | 5 YEARS WARRANTY | CE | RoHS | 120-277VAC 277-480VAC | 100,000Hrs

SPECIFICATION PARAMETERS

Model	Lumen (±10%LM)	Efficacy (±10%)	Beam Angle	LED/ Qty.		Power (±10%)	Voltage/ Frequency	Color Temperature
NG-LHB06-165W	24750	150LM/W	120°	288pcs	SMD3030	165W	Input Voltage 120-277VAC 277-480VAC 50/60 Hz Power Factor (PF) > 0.9	WW 3000K NW 4000K DW 5000K CW 5700K
NG-LHB06-240W	36000	150LM/W	120°	600pcs	SMD3030	240W		
NG-LHB06-300W	45000	150LM/W	120°	486pcs	SMD3030	300W		
NG-LHB06-350W	52500	150LM/W	120°	780pcs	SMD3030	350W		
NG-LHB06-400W	60000	150LM/W	120°	1008pcs	SMD3030	400W		

Certifications	IP Rating	Warranty	Lifespan	Housing	Ambient Temperature	Surge Protection	Color Rendering Index	Intelligent Dimming
DLC / ETL CE /RoHS	IP20	5 Years	100,000Hrs	Sheet Steel	-40°C to 45°C (-40°F to 113°F)	6 kV (10 kV optional)	Ra>70 Ra>80 Ra>90	0-10V Dimming Microwave Sensing Selectable ON/OFF Photocell

ORDERING GUIDE

Example:NG-LHB06-200WH-XXYY-XX

Code	Fixture Type	Power	Voltage	CCT	CCT Selectable	Power Selectable	Sensor	Internal Code
NG company code	**LHB06** Linear high bay	**165W** 165Watts **240W** 240Watts **300W** 300Watts **350W** 350Watts **400W** 400Watts	**Blank** 120-277V **H** 277-480V	**45** Selectable Color Temperature **40** 4000K **50** 5000K	**Blank** Non-adjustable **C** Selectable Color Temperature	**Blank** Non-adjustable **D** Selectable Power	**M** Motion Sensor **T** Remote Dimming Function **Blank** Without Sensor	**Blank** Alphanumeric

ACCESSORIES

STANDARD

Type	Accessory Name	Accessory Model	Quantity
Chain and bracket kit	Aircraft cable	15X1500mm, A set of aircraft cable	2
Mounting box	Square junction box	L125W101H37.5, Square junction box	1
	Adjustable board for J-BOX installation	L107W106H59, adjustable board for J-BOX installation	1
	Screw	HWM5*8, thicker hexagon head cross screw	2
	Screw	M4*8, fly-headed flat bottom screw	4

SOLD SEPARATELY


Sensor

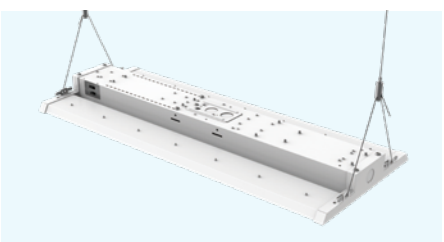

Pendant Hanger

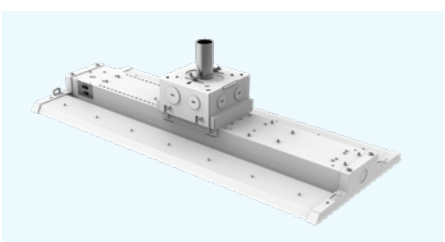

Emergency Battery

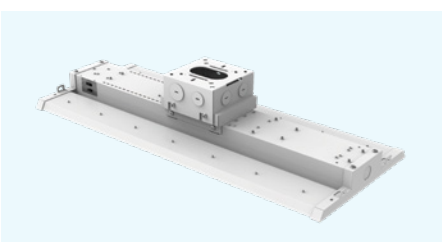

Emergency Battery Backup


Wire Guards

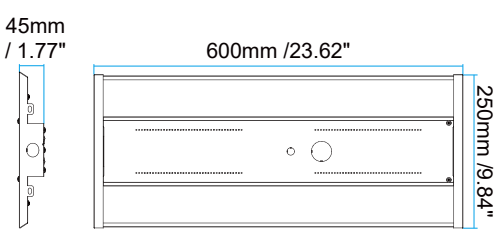
MOUNTING


Steel Wire Rope Mounting

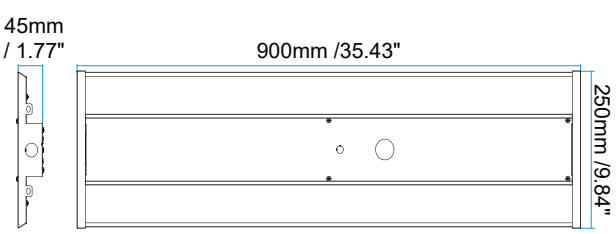

Conduit Pendant Mount


Surface Mounting

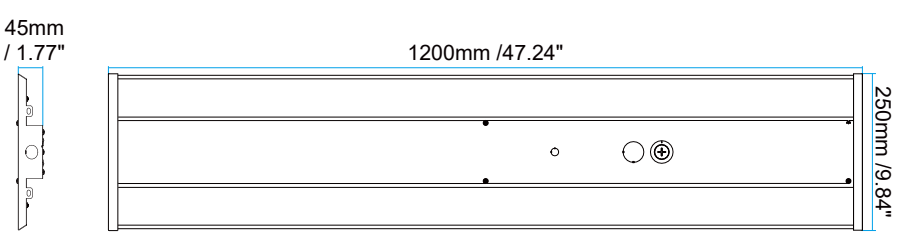
DIMENSIONS



165/240W (2FT)



300W (3FT)



350W/400W (4FT)

INSTALLATION INSTRUCTIONS

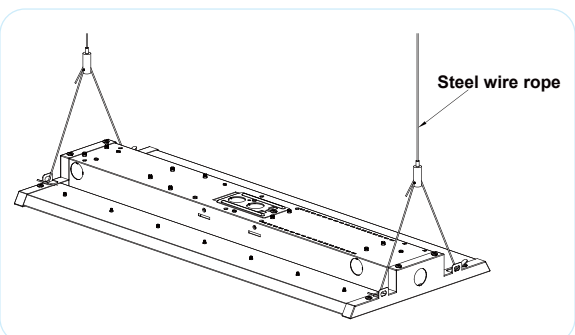
WARNING

- Turn power off before inspection,installation or removal.
- The installation should be performed by qualified electricians or lighting technicians.
- Before conducting any installation,maintenance,or removal,disable all power to the luminaries and wait until the fixture cool down.
- Do not touch the fixture while it is in service.
- If there is any problem with the fixture,DO turn off power and DO NOT attempt repair unless you are a qualified technician or the customer
- service member.
- This product is not available for several special environments,such as places with corrosive gas liquids or high pressure water vapor.

Mounting With Steel Wire Rope (Default)

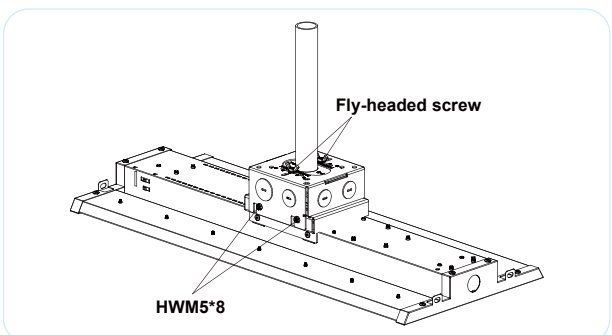
Inspect the fixture condition and accessories before installation.

1. Attach the two steel wire rope hooks to the mounting holes at both ends of the fixture.
2. Remove the access plate,take the wires out of the power driver.
3. compartment and through the hole of access plate,make wiring and re-install the access plate,then plug the flexible conduit into the hole of the access plate.



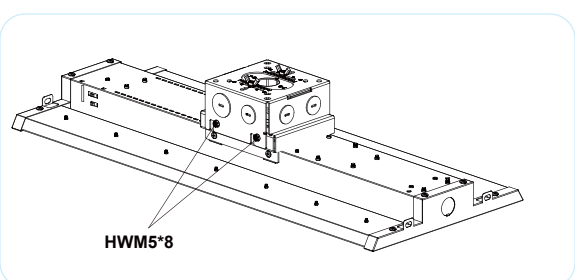
Conduit Pendant (Optional)

1. Installing the adjustable board in square J-BOX with M4*8 fly-headed flat bottom screw,and pass the 3/4"conduit through adjustable board,then fix it with J-BOX.(nutis provided by others)
2. Attach fixture to the hanger of square J-BOX,and connecting wires
3. Placing fixture horizontally,and fix it with J-BOX by using M5*8 screws.



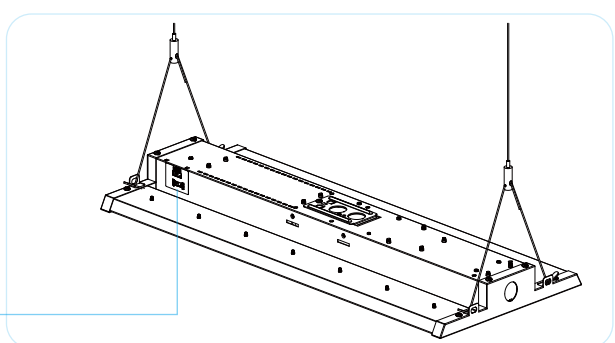
Surface Mounting (Optional)

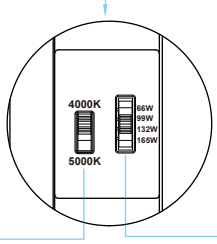
1. Fix the square J-BOX hanger to the ceiling junction box with screws(the screws are matched with the junction box).
2. Hook the fixture of the J-BOX base to the fixed hanger, pull out the wire and complete the wiring.
3. Place the fixture horizontally and secure it with M5*8 screws.



Power and CCT Selectable Version (Optional)

Use the DIP switches to select the desired wattage and color temperature for your application, as shown below.





POWER	POWER	POWER	POWER	POWER
66W	96W	120W	140W	160W
99W	144W	180W	210W	240W
132W	192W	240W	280W	320W
165W	240W	300W	350W	400W



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CLEANING & MAINTENANCE

CAUTION: Be sure fixture temperature is cool enough to touch.
Do not clean or maintain while fixture is energized.

TROUBLESHOOTING

1. Check that the line voltage at the fixture is correct. Refer to wiring directions.
2. Make sure the fixture is properly grounded.
3. Be sure the motion sensor,if used,is functioning properly.
4. The 165W and 210W with external emergency batteries installed are only suitable for steel wire rope mounting.

WIRING DIAGRAM

For dimming version,please check wiring diagram below.

WIRING DIAGRAM

WITHOUT EMERGENCY BATTERY

LED FIXTURES	Black	Line
	White	Neutral
	Green/Yellow Green	Ground
	Purple	DIM+
	Pink	DIM-

WITH EMERGENCY BATTERY

LED FIXTURES	Red	AC line(24/7)
	Black	AC line switch
	White	Neutral
	Green/Yellow Green	Ground
	Purple	DIM+
	Pink	DIM-

APPLICATIONS

Widely used in offices, workshops, hospitals, shops, corridors, parking lots, showrooms, clubs and other indoor places.

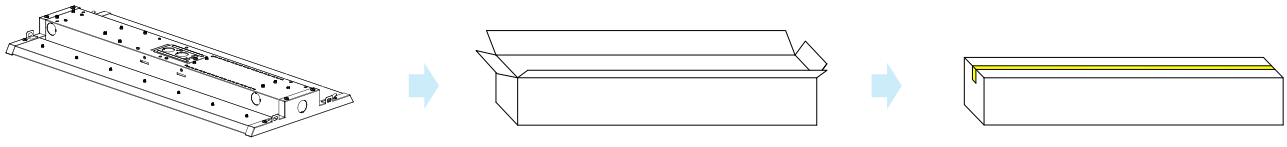

Showroom


Office


Workshop


Shop

PACKAGE



Power	Unit	Size	Gross Weight	Volume
NG-LHB06-165W	2 PCS	665x265x120mm / 26.18"*10.43"*4.72"	5.2 KG / 11.46 lbs	0.021m³
	6 PCS	680x280x400mm / 26.77"*11.02"*15.75"	17.5 KG / 38.58 lbs	0.076m³
NG-LHB06-240W	2 PCS	715x265x120mm / 28.15"*10.43"*4.72"	6.8 KG / 14.99 lbs	0.023m³
	6 PCS	735x285x410mm / 28.94"*11.22"*16.14"	20.8 KG / 45.86 lbs	0.086m³
NG-LHB06-300W	2 PCS	930x280x110mm / 36.61"*11.02"*4.33"	8.3 KG / 18.3 lbs	0.029m³
	4 PCS	950x300x260mm / 37.4"*11.81"*10.24"	19.5 KG / 42.99 lbs	0.074m³
NG-LHB06-350W NG-LHB06-400W	2 PCS	1230x280x110mm / 48.43"*11.02"*4.33"	11.15 KG / 24.58 lbs	0.038m³