

FLHBV - Fidelux Linear High-Bay Value Series

Product Description

Fidelux Linear High-Bay Value meets the challenging maintenance, safety, and performance requirements of industrial environments through an unbeatable combination of efficacy and lumen output. Featuring custom control options giving you more energy savings. The fixtures are designed to replace T8 and T5 fluorescent, as well as HID fixtures, in locations with 10 to 40 foot ceilings, including big box retailers, gymnasiums, manufacturing facilities and warehouses.

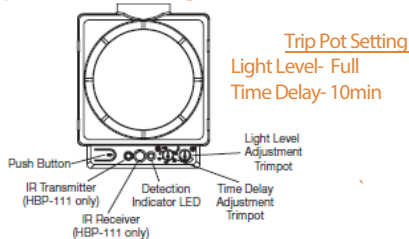
Features & Benefits

- Fidelux suggests PIR sensor for all Warehouse applications , See options below
- High quality isolated driver 1-10V dimming; Flicker free
- PF>0.90, driver efficiency>87%, THD<20%
- Suitable for dry/damp locations
- Designed for warehouses, gymnasiums and industrial spaces
- 7yrs with option for 10 year warranty (consult customer service for cost & details)

Applications

- Warehouses
- Gymnasiums
- Industrial spaces

Trim-pot Default Settings (HBP-112)



Mounting Options

- Suspension Mount Kit (**SUK**) (Comes Standard with all fixtures)
- Pendant Hanger Bracket (**PHB**) (Ordered as a separate Line item)
(PHB Bracket is fastened to back of fixture and comes with 1/2" KO for 1/2" Rigid pipe or Connector Pipe & Conn not supplied)...See page 3

Regulatory & Voluntary Qualifications

- UL, DLC Premium
- Most of our products are DLC listed, qualifying them for the highest rebates. Please check individual product specs for DLC status. Refer to DLC website by clicking this link: <https://www.designlights.org>



Performance Summary

Efficacy up to: 134 l/pw

CRI: 80-83.2

CCT: 3000K / 3500K (No DLC) / 4000K / 5000K

Dimming: 1-10V

Operating Temp: -20°C ~ +40°C

Input Voltage: 120-277vac

Operating Frequency: 50 / 60Hz

L70 Lifespan: 100,000+ hours (based on TM21)

Dimension: **80w-110w** (23.82" x 12.60" x 0.83"),

140w (23.82" x 17.32" x 0.83") **165w-225w**(45.87" x 12.60" x 0.83")
45.87" x 23.82" x 0.83"



E359288

FLHBV Series Specification Summary

DATA SOURCE	DLC	DLC	DLC	DLC	DLC	DLC
Product Number	FLHBV-80W	FLHBV-110W	FLHBV-140W	FLHBV-165W	FLHBV-225W	FLHBV1-320W
Efficacy l/pw @ 5000K	131 l/pw	132 l/pw	133 l/pw	133 l/pw	133 l/pw	134 l/pw
Wattage @ 5000k	77.34	106.1	142.96	154.7	224.2	346.2
Lumens @ 4000K	9630	13,646	18,439	20,000	29,000	46,000
Lumens @ 5000K	10,091	13,940	18,896	20,940	29,830	46,415
THD @ 120VAC	<11.6%	<15%	<13.77%	<20%	<20%	<20%
CRI	81.2	80	83.2	80	80	80
Qualifications	UL, DLC (Premium 4.4)					
Power Factor	> 0.95	>0.90	> 0.91	> 0.90	> 0.90	> 0.90
Input Voltage Options	120-277vac					
CCT/Kelvin Temp Options	30K / 35K (No DLC) / 40K / 50K					
Dimming	1-10V, Flicker Free					
Operating Temp	-20°c to +40°c					
L70 Lifespan (TM21)	100,000+ hours					
Max Dimensions (in)	23.82" x 12.60" x 0.83"		23.82" x 17.32" x 0.83"	45.87" x 12.60" x 0.83"		23.82" x 17.32" x 0.83"
Total Weight	33.5 lbs		45.9 lbs	30.4 lbs		35.3 lbs
Limited Warranty	7 year Warranty provided. (10 year warranty option available, Consult customer service for cost & details)					

Notes

Values are nominal unless noted +/- 5%
Specifications change without notice

FLHBV Series Product Ordering Guide

Example: FLHBV-140W-40K-SOSD -EM20-PHB

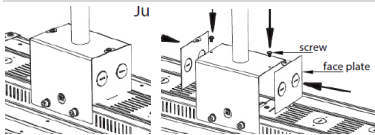
Product	CCT/Color Temp	Voltage	Controls & Dimming	Emergency Backup	Mounting Options
FLHBV-80W	30K (3000K) <i>*No DLC</i>	Blank (120-277vac) STD	Blank (0-10v Dimming) STD	EM20 (20watt, Self Diagnostic, External, EM Pack) 80w-165w	SUK (Suspension Mounting Kit) STD
FLHBV-110W	35K (3500K) <i>*No DLC</i>		HBP-112 (PIR on/off External Sensor / Trim Pot - See default settings)		PHB (Pendant Hanger Bracket) 1/2" KO only, Pipe and Conn not supplied
FLHBV-140W	40K (4000K)		HBP-111 (PIR on/off External IR sensor, Remote programming only)	EM30 (30watt, Self Diagnostic, External, EM Pack) 225w-320w	
FLHBV-165W	50K (5000K)		SOSD (PIR step Dim External IR sensor, Remote programming only)*		
FLHBV-225W			FSIR-100- (Hand-held Remote Control HBP & SOSD Sensor) order as separate line item		
FLHBV1-320W			Consult Factory for Pre-Wired in box sensor set-up		

* Special Order, Consult Customer Service

Mounting Options (order using part number in ordering bar)

SUK Suspension Mounting Kit (Includes 2 hooks & 3' Iron Chain) *Standard with all fixtures*

PHB Pendant Hanger Bracket (single bracket with 1/2" KO for a 1/2" rigid pipe or pendant pipe) *Rigid connector and Pipe not supplied*



Wire Guards, (Field Installed, order as separate line item)

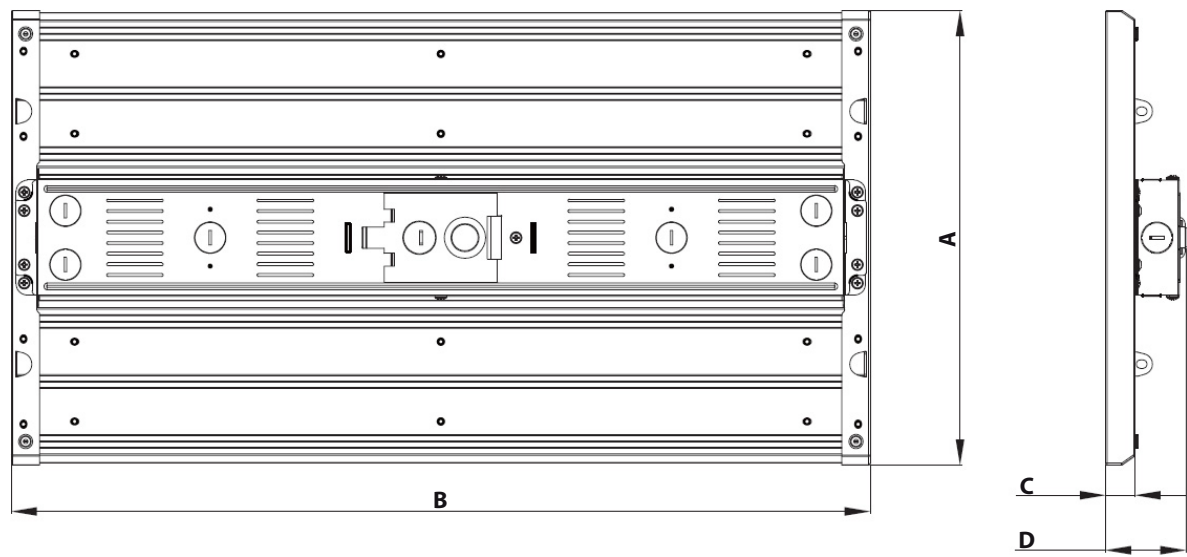
WG80/110 One Piece wire Guard for 1x2 80w & 110w fixtures

WG140 One Piece wire Guard for 1x18 140w fixture

WG165/225 One Piece wire Guard for 1x4 165w & 225w fixtures

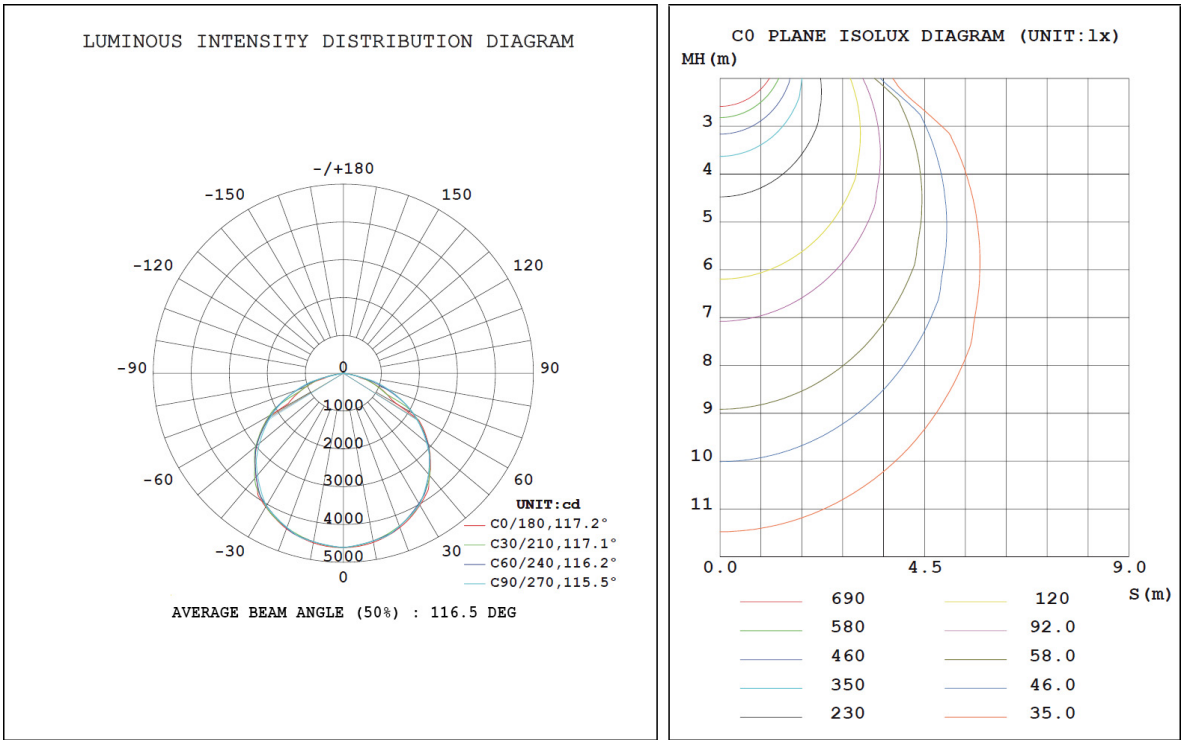
WG320 One Piece wire Guard for 2x4 320w fixture

FLHBV Series Design Details



Products	A	B	C	D
FLHBV-80W, FLHBV-110W	12.60"	23.82"	0.83"	2.2"
FLHBV-140W	17.32"	23.82"	0.83"	2.2"
FLHBV-165W, FLHBV-225W	12.60"	45.87"	0.83"	2.2"
FLHBV1-320W	17.32"	45.87"	0.83"	2.2"

FLHBV Series Photometry



FLHBV Series Installation Instructions

For all FLHBV Series Mounting

WARNING:

To avoid the risk of fire, or electric shock this product should be installed, inspected, and maintained by a qualified electrician only. Installation should be completed by an individual familiar with the construction and operation of the luminaire. Installation of luminaire must be in accordance with national and local building and electrical codes.

Safety Warning: To avoid electric shock: Be certain electrical power is OFF before and during installation and maintenance. Luminaire must be supplied by a wiring system with an equipment grounding conductor.

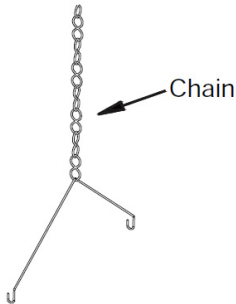
To avoid burning hands: Make sure lens and housing are cool when performing maintenance.

To avoid product degradation: Make sure the wire supply voltage is the same as the luminaire supply. Use proper supply wiring as specified on the luminaire nameplate. Avoid use in environments containing sulfur, chlorine or other halides, methyl acetate or ethyl acetate, cyanoacrylates, glycol ether, formaldehyde or butadiene.

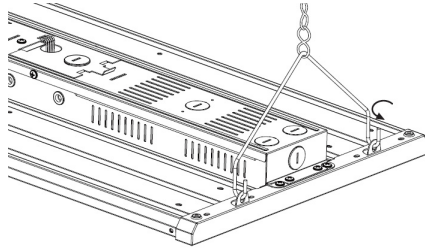
Notes: Instructions do not cover all details and all possible product configurations. Do not restrict luminaire ventilation. Ensure LED luminaire is not covered with material that will prevent convection or conduction cooling. Ensure LED luminaire has the correct polarity before installation. Avoid exposing wiring to metal edges and sharp objects.

Maintenance: Perform visual, electrical and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However it is recommended that checks be made at least once a year. Electrically check to make sure that all connections are clean and tight. Mechanically check that all parts are properly assembled.

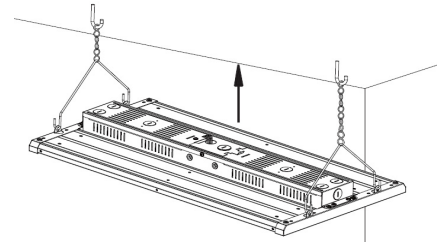
Suspension Mounting Instructions



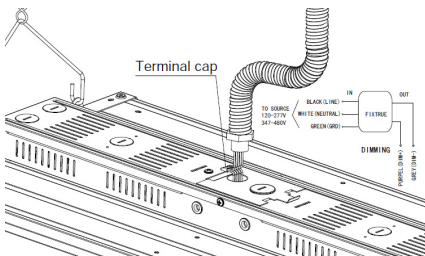
1. Hook the chain as at picture above



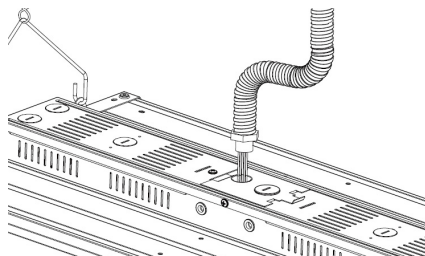
2. Insert the hook into the slotted holes, as shown above



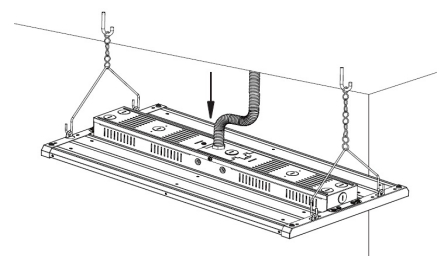
3. Hook up the chain on the ceiling anchor



4. Turn off power and make wiring connections with terminal cap (see wiring instruction above)



5. Insert the terminal cap and wires into the driver box

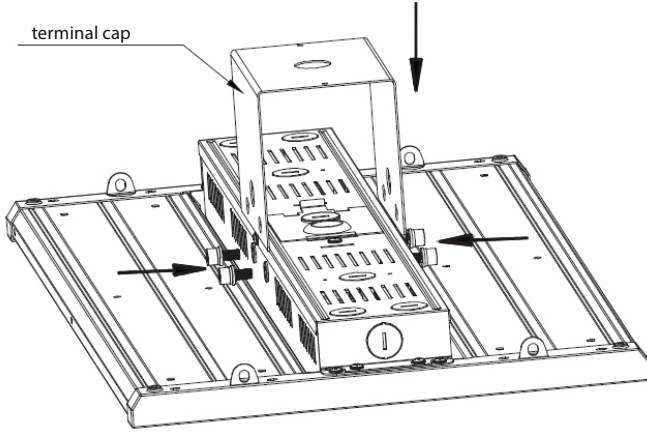


6. Insert the wire terminal joint to the wire entry. Installation complete.

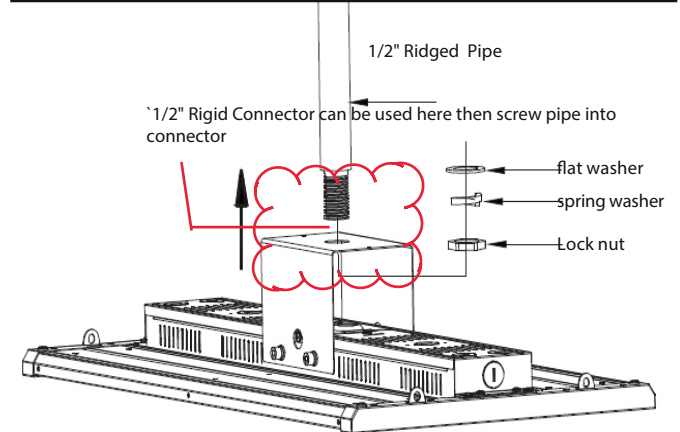
FLHBV Series Installation Instructions

For all FLHBV Series Mounting

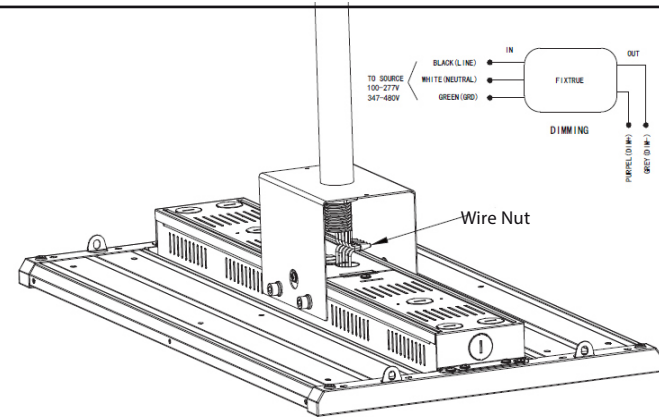
(PHB) Pendant Hanger Bracket Installation Instructions



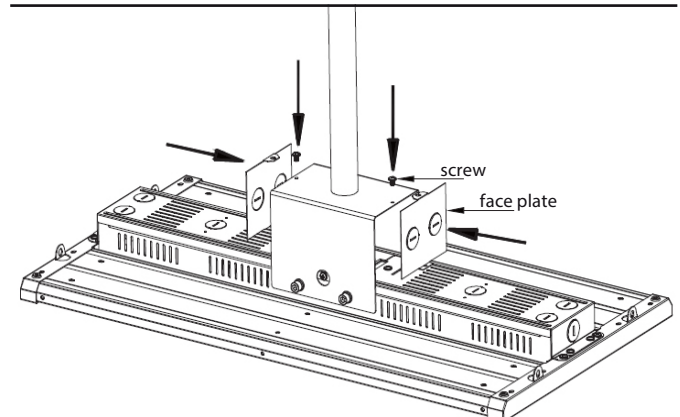
1. Fixed the junction box on the fixture with the provided hardware



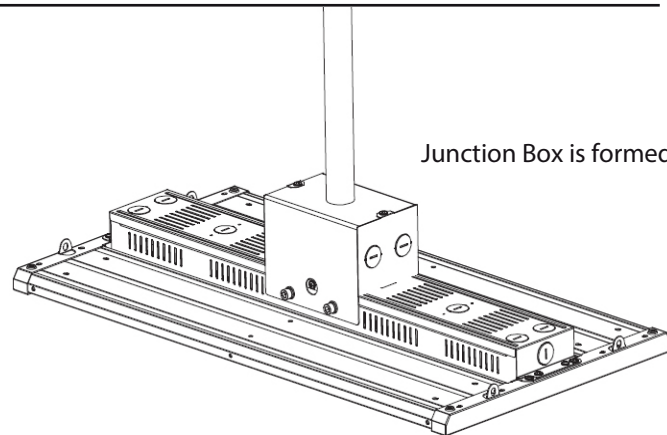
2. Fixed the high bay on the steeve with the provided hardware



3. Turn off power, and make wiring connections with terminal cap (see wiring instruction above)



4. Attach both face plates to the junction box with the provided hardware



5. Installation complete