

LHB02 Series Linear High Bay

Commercial & Industrial Buildings

OVERVIEW

Wattage (W)	90W, 115W, 180W, 240W, 270W, 360W 130/105/90W Selectable 155/130/115W Selectable 210/180/155W Selectable 310/270/240W Selectable 420/360/310W Selectable
Lumen Package (lm)	Up to 71,920 lm
Color Temperature (CCT)	4000K, 5000K, or 4000K/5000K Selectable
Efficacy (lm/W)	Up to 170 lm/W



90W, 115W, 130W, 155W, 180W, 210W



240W, 270W, 310W



360W, 420W

DETAILS

LHB02 LED linear high bays ensure the perfect amount and coverage of light for any space with ceilings from 15 feet to over 40 feet in height, but what makes these luminaires stand out is the flexibility they offer, with fixed or selectable wattages and CCTs, beam angles for both open areas and aisle lighting needs, your choice of higher CRI or higher luminous efficacy, and 120V or 480V input.

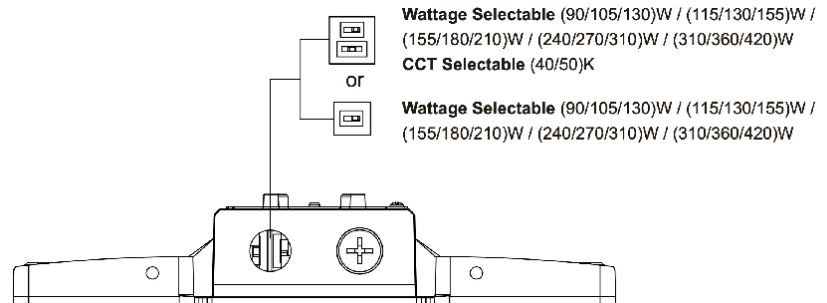
KEY FEATURES

- Lumen Output Up to 71,920 lm
- Power & CCT Selectable
- Stock one SKU for different applications
- Easy plug-in motion sensor
- Emergency Battery Backup Available

APPLICATIONS

- Warehouse
- Factory
- Industrial Facility
- Sports Facility
- Storage Facility
- Gymnasium

DIP SWITCH



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SPECIFICATIONS

Wattage & Lumens	90W, 13,500 lumens 115W, 17,250 lumens 180W, 27,000 lumens 240W, 36,000 lumens 270W, 40,500 lumens 360W, 54,000 lumens 130W Selectable (130/105/90W), Up to 20,020 lumens 155W Selectable (155/130/115W), Up to 26,800 lumens 210W Selectable (210/180/155W), Up to 36,270 lumens 310W Selectable (310/270/240W), Up to 53,500 lumens 420W Selectable (420/360/310W), Up to 71,920 lumens
Efficacy	150 lm/W (Standard), 170 lm/W (High Lumen)
CCT	4000K, 5000K, or 4000K/5000K Selectable
CRI (Ra)	80 (Standard), 70 (High Lumen)
Controls	0-10V Dimming Integral Sensor Receptacle CCT & Power Selectable
Input Voltage	120-277VAC / 120-347VAC / 277-480VAC, 50/60Hz
Power Factor	>0.9
LED Type	LED 2835
Average Lifetime	L90: 44,000 hours, L70: 54,000 hours
Beam Angle	95° (Standard) and 60°x100° for Aisle Application
Mounting	Suspension Mount, Surface Mount, Pendant Mount
Operating Temperature	-40°C to +50°C (-40°F to +122°F)
Material	Die-cast Aluminum Housing, High Transmittance Polycarbonate Lens
Fixture Color	White
Finish	Powder Coating
UGR Level	<28
Surge Protection	6kV line-line, 10kV line-earth
Emergency Driver	90-210W: 25W Emergency Driver (Available only at 120-277/347VAC) 240-310W: 40W Emergency Driver (Available only at 120-277/347VAC)
Battery	Li-ion battery, 90 minute-discharge, 24-hour recharge
IK Rating	IK08
Certifications	DLC Premium, UL, RoHS
Warranty	5 Years

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ORDERING GUIDE

150 lm/W, 80 CRI (Standard)

 Example: **LLTVLHB02-155W-40**

SKU Root	Wattage / Lumens	Driver Type	CCT	Beam Angle	Voltage	Emergency Backup
LLTVLHB02	-90 - 90W, Up to 13,500 lm -115 - 115W, Up to 17,250 lm -180 - 180W, Up to 27,000 lm -240 - 240W, Up to 36,000 lm -270 - 270W, Up to 40,500 lm -360 - 360W, Up to 54,000 lm	D - 0-10V Dimmable	-40 - 4000K -50 - 5000K	BLANK - 95° (Standard) -LM - 60° x 100° (Aisle Medium Beam)	BLANK - 120-277VAC -347 - 120-347VAC -480 - 277-480VAC	Blank - None -E - Emergency Backup*
	-130 - 130/105/90W, Up to 20,020 lm -155 - 155/130/115W, Up to 23,250 lm -210 - 210/180/155W, Up to 31,500 lm -310 - 310/270/240W, Up to 46,500 lm -420 - 420/360/310W, Up to 63,840 lm	W - Wattage Selectable	-40 - 4000K -50 - 5000K CS - Color Selectable			

170 lm/W, 70 CRI (High Lumen)

 Example: **LLTVLHB02-155W-407H**

SKU Root	Wattage / Lumens	Driver Type	CCT	CRI	Beam Angle	Voltage	Emergency Backup
LLTVLHB02	-155 - 155/130/115W, Up to 26,800 lm -210 - 210/180/155W, Up to 36,200 lm -310 - 310/270/240W, Up to 52,910 lm -420 - 420/360/310W, Up to 71,920 lm	W - Wattage Selectable	-40 - 4000K -50 - 5000K CS - Color Selectable	7H - 70	BLANK - 95° (Standard) -LM - 60° x 100° (Aisle Medium Beam)	BLANK - 120-277VAC -347 - 120-347VAC	Blank - None -E - Emergency Backup*

*Note: 25W Emergency Driver is only available for Small 14" Housing (90-210W). 40W Emergency Driver is only available for Medium 20.5" Housing (240-310W). The large housing does not support the emergency function. Emergency Battery not available for 277-480VAC.

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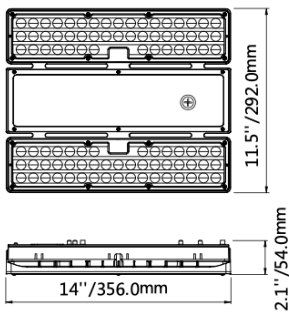
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PRODUCT DIMENSIONS

MODEL	90-210W	240-310W	310-420W
Product Dimension	14" x 11.5" x 2.1"	20.5" x 11.5" x 2.1"	28" x 11.5" x 2.1"
Luminaire Net Weight	2.5 kgs (5.5 lbs)	3.3 kgs (7.3 lbs)	5.2 kgs (11.5 lbs)
Gross Weight	5.5 kgs	7.5 kgs	11 kgs

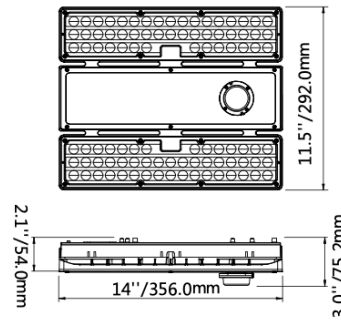
Normal

Small 14" Housing (90-210W)



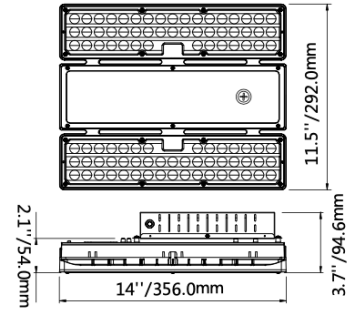
Net Weight: 5.5Lbs/2.5kgs

With Sensor



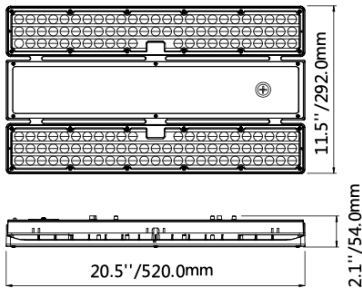
Net Weight: 5.5Lbs/ 2.5kgs

With Emergency Driver

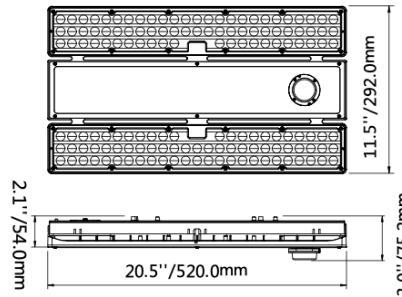


Net Weight: 7.9Lbs/3.6kgs

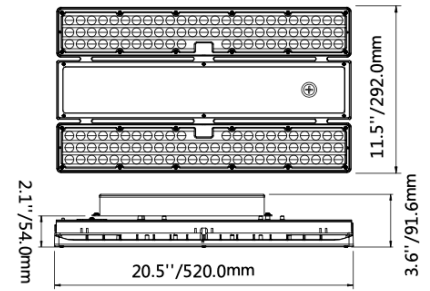
Medium 20.5" Housing (240-310W)



Net Weight: 7.3Lbs/3.3kgs

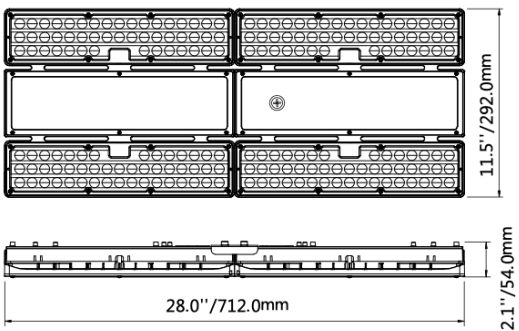


Net Weight: 7.3Lbs/ 3.3kgs

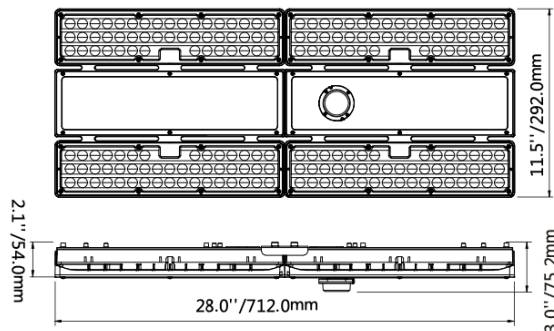


Net Weight: 10.1Lbs/4.6kgs

Large 28" Housing (310-420W)



Net Weight: 11.5Lbs/ 5.2kgs



Net Weight: 11.5Lbs/ 5.2kgs

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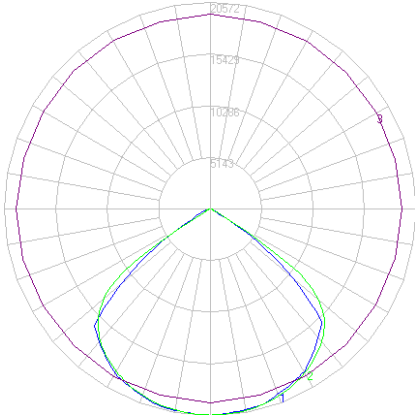
PERFORMANCE

Fixture Size	Model	CRI	Wattage	4000K		5000K	
				Lumens	Efficacy	Lumens	Efficacy
Small 14" (356mm)	LLTVLHB02-90D-XX	80	90	13,500	150	13,410	149
	LLTVLHB02-115D-XX	80	115	17,020	148	17,250	150
	LLTVLHB02-130W-XX LLTVLHB02-130WCS	80	130	20,150	155	20,020	154
	LLTVLHB02-155W-XX LLTVLHB02-155WCS	80	155	22,940	148	23,250	150
	LLTVLHB02-155W-XX7H LLTVLHB02-155WCS7H	70	155	26,350	170	26,350	170
	LLTVLHB02-180D-XX	80	180	26,640	148	27,000	150
	LLTVLHB02-210W-XX LLTVLHB02-210WCS	80	210	31,080	148	31,500	150
	LLTVLHB02-210W-XX7H LLTVLHB02-210WCS7H	70	210	35,700	170	35,700	170
Medium 20.5" (520mm)	LLTVLHB02-240D-XX	80	240	35,520	148	36,000	150
	LLTVLHB02-270D-XX	80	270	39,960	148	40,500	150
	LLTVLHB02-310W-XX LLTVLHB02-310WCS	80	310	45,880	148	46,500	150
	LLTVLHB02-310W-XX7H LLTVLHB02-310WCS7H	70	310	52,700	170	52,700	170
Large 28" (712mm)	LLTVLHB02-360D-XX	80	360	53,280	148	54,000	150
	LLTVLHB02-420W-XX LLTVLHB02-420WCS	80	420	62,160	148	63,000	150
	LLTVLHB02-420W-XX7H LLTVLHB02-420WCS7H	70	420	71,400	170	71,400	170

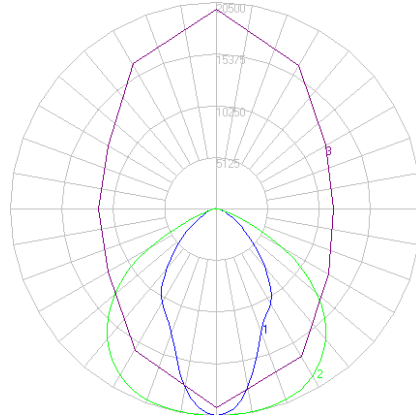
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PHOTOMETRICS

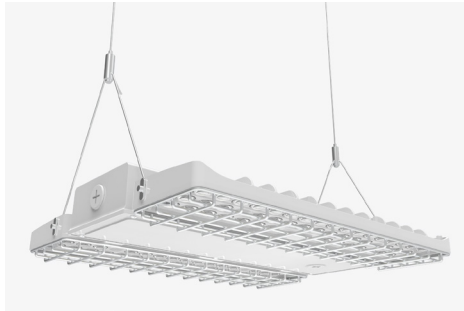


60° x 100° (Aisle Medium Beam)

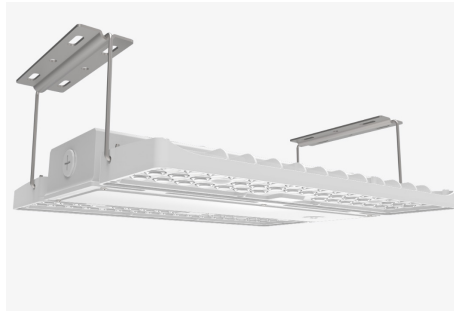


105°

MOUNTING



Suspension Mount (Standard)
Shown with Optional Wire Guard

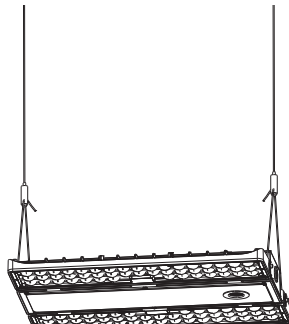
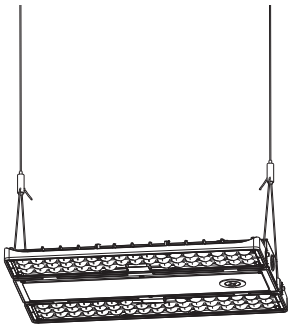


Surface Mount

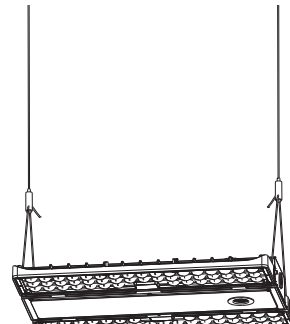


Pendant Mount

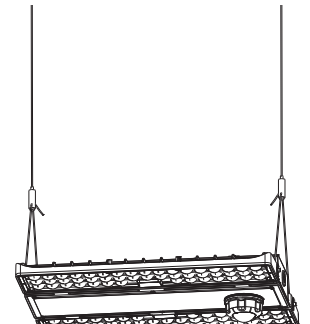
MOTION SENSOR ASSEMBLY



1. Remove the G1/2 plastic plug counterclockwise with a screwdriver.



2. Turn the sensor clockwise into the base.

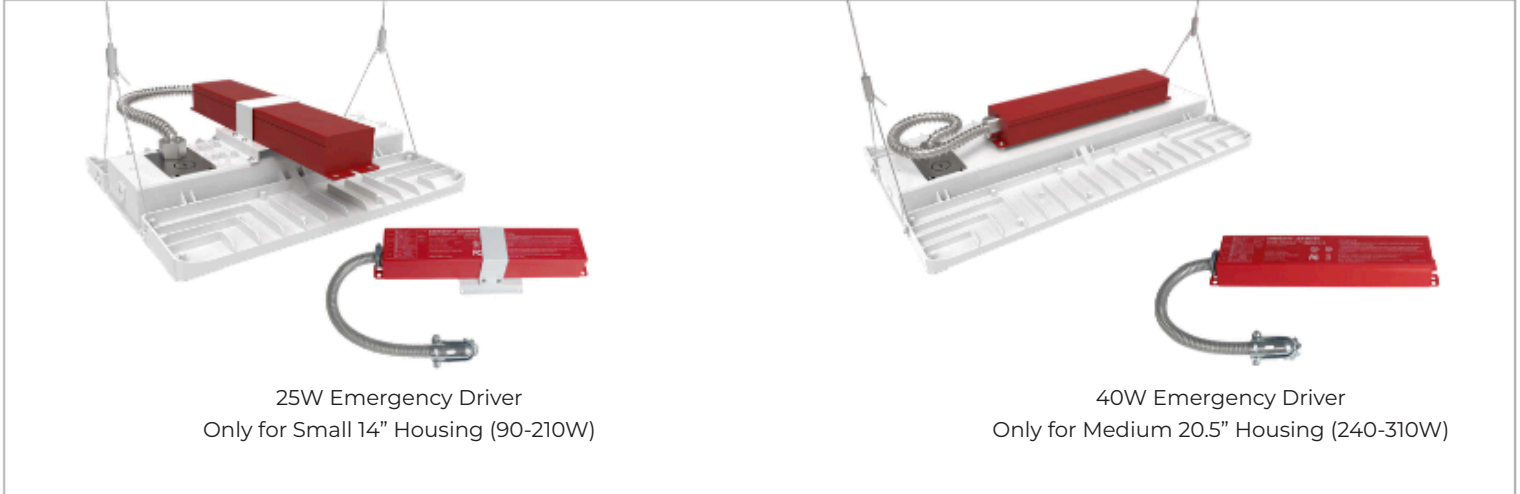


3. The installation is complete.

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EMERGENCY BATTERY




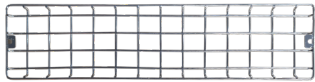



25W Emergency Driver
Only for Small 14" Housing (90-210W)

40W Emergency Driver
Only for Medium 20.5" Housing (240-310W)

Note: The large housing does not support the emergency function. Emergency Battery not available for 277-480VAC.

ACCESSORIES

SKU	Description	Image
LLTASEN-PIR01	Plug-and-play Bi-level PIR Sensor	
LLTASEN-MIC01	Plug and play Bi-level Microwave Motion Sensor	
LLTASEN-RM01	Remote Controller for PIR Sensor and Microwave Motion Sensor	
LLTALHB02-WGS LLTALHB02-WGM LLTALHB02-WGL	Wire Guard for 130W, 155W & 210W Models (Small 14") Wire Guard for 310W Model (Medium 20.5") Wire Guard for 420W Model (Large 28")	
LLTALHB02-SMK	Surface Mount Kit	
LLTALHB02-PMK	Pendant Mount Kit	