

PFX-5220

LHBC SELECTABLE HIGH BAY



INTRODUCTION

- The LHBC Linear High Bay is a super compact design using die-cast housing, with the clean and integral structure.
- Making it save a lot of shipping cost and easier to install. Standard 6,10KV surge protection, making it steady running under the poor power condition.
- LHBC offers two levels efficiency, 150lm/w as standard and 170lm/w for high efficiency version.
- The whole family with two different sizes. Motion sensor and remote controller are available. Also Zhaga base or emergency battery back up is optional.
- It widely used for warehouse and storage, industrial facilities, sports facilities, gyms , etc.

PRODUCT SPECIFICATION

Construction:

- LHBC linear high bay features a die-cast aluminum housing. Powder coat corrosion resistant finish.

Electrical:

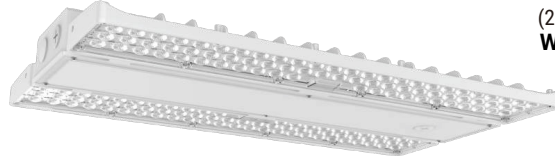
- 0-10V dimmable driver, which can dim from 100% down to off.
- Input voltage 120-277V/277-480V 50/60Hz.
- Designed to withstand surges of up to L/N - PE: 10 kV and L - N: 6 kV (for voltages of 120 - 277V/120 -347V/277 - 480V).

Optics:

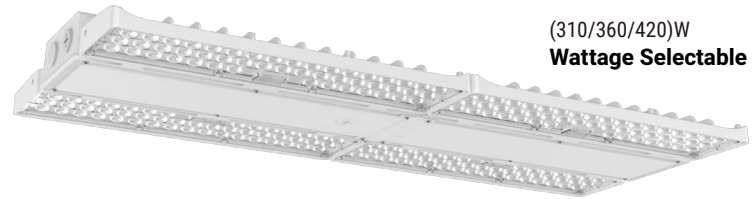
- Selectable CCT 4000K or 5000K (Default setting) , CRI >80.
- Polycarbonate lens with high angle cut-off design, UGR<28 meet DLC 5.1 premium.
- General Optic Lens and Aisle Optic Lens are available.



(90/105/130)W
(115/130/155)W
(155/180/210)W
Wattage Selectable



(240/270/310)W
Wattage Selectable



(310/360/420)W
Wattage Selectable



CCT SELECTABLE

Compliances:

- cULus listed for dry locations.
- DLC® (DesignLights Consortium) Qualified.

Warranty:

- 5-year limited warranty.

Finish:

- White color is standard.

Ambient Temperature:

- -13° F (-25° C) to 122° F (50° C)

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ORDERING GUIDE

EXAMPLE: PFX-5220-HBC(115/130/155)W-(40/50)KLV-SEM

Product series	Wattage1	CCT	Input Voltage 3	Sensor	Emergency Battery	Product code 4
LHBC	XXXW	XXK	Y	X	Y	X
PFX- 5220 LHBC	(90/105/130)W (115/130/155)W (155/180/210)W (240/270/310)W (310/360/420)W	(40/50)K 2 =4000K/5000K	LV=120-277V/347V HV=277-480V	S=with Motion sensor or Daylight sensor Blank=without Motion sensor or Daylight sensor	Blank=without emergency E=with emergency	Internal code M - General Efficacy L - General Efficacy H - High Efficacy

Note: 1. (90/105/130)W=130W, 105W, 90W Selectable, 130W default se. (115/130/155)W=155W (155/180/210)W=210W, 180W, ng. , 130W, 115W Selectable, 155W default se. 155W Selectable, 210W default se. (240/270/310)W=310W, 270W, 240W Selectable, 310W default se. (310/360/420)W=420W, 360W, 310W Selectable, 420W default se.

2. (40/50)K=4000K, 5000K Selectable, 5000K default se.

3. The Input Voltage AC120-277V and AC277-480V is for US Market, AC120-347V is for Canada Market only.

4. General Efficacy=150lm/w, High Efficacy=170lm/w, M code only for (115/130/155)W, (155/180/210)W and (310/360/420)W, and L code for (240/270/310)W.

PERFORMANCE DATA

High Efficacy

Model Number	Lumen Level	Wattage Selectable	Nominal CCT	CCT Selectable	@AC120-277V/120-347V			CRI
					Lumens	Watts	LPW	
PFX-5220 LHBC(115/130/155)W-(40/50)KLV-XYH	1	Yes	4000	Yes	21,160	115	184	>70
			5000		20,840	115	181	
	2		4000		23,600	130	182	
			5000		23,110	130	178	
	3		4000		26,870	155	173	
			5000		26,350	155	170	
PFX-5220 LHBC(155/180/210)W-(40/50)KLV-XYH	1	Yes	4000	Yes	28,480	155	184	>70
			5000		27,900	155	180	
	2		4000		32,450	180	180	
			5000		31,900	180	177	
	3		4000		36,250	210	173	
			5000		35,700	210	170	
PFX-5220 LHBC(240/270/310)W-(40/50)KLV-XYH	1	Yes	4000	Yes	45,200	240	188	>70
			5000		44,490	240	185	
	2		4000		48,490	270	180	
			5000		47,730	270	177	
	3		4000		53,440	310	172	
			5000		52,700	310	170	
PFX-5220 LHBC(310/360/420)W-(40/50)KLV-XYH	1	Yes	4000	Yes	56,690	310	183	>70
			5000		55,680	310	180	
	2		4000		64,590	360	179	
			5000		63,440	360	176	
	3		4000		72,600	420	173	
			5000		71,400	420	170	

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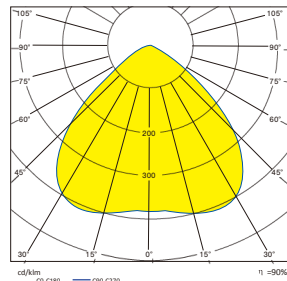


PERFORMANCE DATA

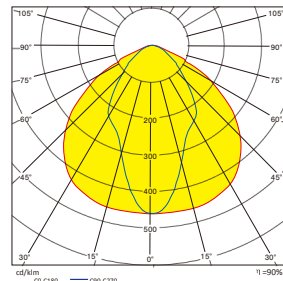
General Efficacy

Model Number	Lumen Level	Wattage Selectable	Nominal CCT	CCT Selectable	@AC120-277V/120-347V			@AC277-480V			CRI
					Lumens	Watts	LPW	Lumens	Watts	LPW	
PFX-5220-LHBC(90/105/130) W -(40/50)KLV/HV-XY	1	Yes	4000	Yes	14,820	90	165	14,570	90	162	>80
			5000		14,410	90	160	14,240	90	158	
	4000		16,960		105	162	16,680	105	159		
	5000		16,500		105	157	16,370	105	156		
	4000		20,150		130	155	19,830	130	153		
	5000		19,640		130	151	19,500	130	150		
PFX-5220-LHBC(115/130/155) W -(40/50)KLV/HV-XYM	1	Yes	4000	Yes	18,580	115	162	18,520	115	161	>80
			5000		18,090	115	157	17,970	115	156	
	4000		20,600		130	158	20,530	130	158		
	5000		20,060		130	154	19,930	130	153		
	4000		23,820		155	154	23,910	155	154		
	5000		23,250		155	150	23,250	155	150		
PFX-5220-LHBC(155/180/210) W -(40/50)KLV/HV-XYM	1	Yes	4000	Yes	25,160	155	162	24,850	155	160	>80
			5000		24,540	155	158	24,440	155	158	
	4000		28,660		180	159	28,310	180	157		
	5000		27,960		180	155	27,850	180	155		
	4000		32,220		210	153	31,950	210	152		
	5000		31,500		210	150	31,500	210	150		
PFX-5220-LHBC(240/270/310) W -(40/50)KLV/HV-XYL	1	Yes	4000	Yes	39,840	240	166	39,880	240	166	>80
			5000		39,010	240	163	38,980	240	162	
	4000		42,740		270	158	42,790	270	158		
	5000		41,850		270	155	41,820	270	155		
	4000		47,400		310	153	47,480	310	153		
	5000		46,500		310	150	46,500	310	150		
PFX-5220-LHBC(310/360/420) W -(40/50)KLV/HV-XYM	1	Yes	4000	Yes	50,290	310	162	50,320	310	162	>80
			5000		49,190	310	159	49,090	310	158	
	4000		57,130		360	159	57,330	360	159		
	5000		56,050		360	156	55,940	360	155		
	4000		64,250		420	153	64,430	420	153		
	5000		63,000		420	150	63,000	420	150		

PHOTOMETRIC



General Optic (as standard offer)



Aisle Optic (lens changing needed)

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POWER SELECTION AND CCT SELECTION CAPABILITY

Low
Medium
High

Power Se«ng

4000K
5000K

CCT Setting



Adjust CCT between 4000/5000K,
5000K default setting.

Size	Power Selection	Default Setting
Small 1.2L	Adjust power between 90/105/130W	130W
	Adjust power between 115/130/155W	155W
	Adjust power between 155/180/210W	210W
Medium 1.7L	Adjust power between 240/270/310W	310W
Small (combined) 2.4L	Adjust power between 310/360/420W	420W


ACCESSORIES

Sensor

Factory-Installable OR Field-Installable (field-installable purchased separately)

	<p>HD09VR-PH Screw-in PIR Sensor</p>		<p>HD09VR-PHB Screw-in PIR Sensor (Networking Wireless Control Version)</p>
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Field-Installable / Field-Use ONLY (purchased separately)

	<p>HD06R Remote Control</p>
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Emergency Battery Backup

Factory-Installable OR Field-Installable (field-installable purchased separately)

	<p>XEBB05-25WAC Emergency battery backup EMA25FY-170 -25W/90min, for LHBC-90W~210W, at AC120-277/347V</p>		<p>XEBB06-40WAC Emergency battery backup EMA40FY-170 -40W/90min, for LHBC-240W~310W, at 120-277/347V</p>
	<p>XEBB19-40WACHV Emergency battery backup EMA-40500DI-HY -40W/90min, for LHBC-90W~210W, at AC277-480V</p>		<p>XEBB20-40WACHV Emergency battery backup EMA-40500DI-HY -40W/90min, for LHBC-240W~310W, at AC277-480V</p>

Mounts and Kits

Field-Installable / Field-Use ONLY (purchased separately)

	<p>XSPM-1.5M-A-LHB Suspension Mount - 1.5m hanging length 2pcs (Default Include)</p>		<p>XSM-A-LHB Surface Mount - 2pcs</p>
	<p>XCM-A-LHB Conduit & Surface Mount</p>		<p>AC-LHBE-CK-A Connection Kits</p>
	<p>XSM-A-LHB Wire Guard - small size, 2pcs /set for LHBC-90W~210W, 310-420W (need 4pcs)</p>		<p>XCM-A-LH Wire Guard- medium size, 2pcs/set for LHBC-240W~310W</p>

Lens

Factory-Installable OR Field-Installable (field-installable purchased separately)

	<p>LHBC-MilkyLS-S-B Milky Optical Lens -small size for LHBC, 1pcs</p>		<p>LHBC-MilkyLS-M-B Milky Optical Lens -medium size for LHBC, 1pcs</p>
	<p>LHBC-AisleLS-S-A Aisle Optical Lens -small size for LHBC, 1pcs</p>		<p>LHBC-AisleLS-M-A Aisle Optical Lens -medium size for LHBC, 1pcs</p>

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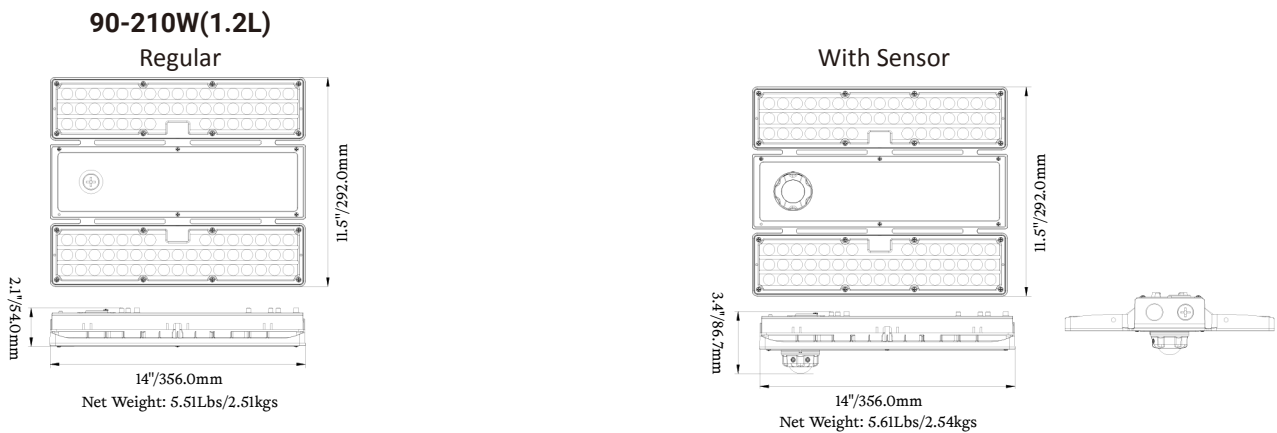
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ELECTRICAL DATA

Model Series	Wattage(W)	Current (A)					
		Input Voltage (V)					
		120	208	240	277	347	480
PFX-5220 LHBC(90/105/130)W	90	0.83	0.48	0.42	0.36	0.29	0.21
	105	0.97	0.56	0.49	0.42	0.34	0.24
	130	1.20	0.69	0.60	0.52	0.42	0.30
PFX-5220 LHBC(115/130/155)W	115	1.06	0.61	0.53	0.46	0.37	0.27
	130	1.20	0.69	0.60	0.52	0.42	0.30
	155	1.44	0.83	0.72	0.62	0.50	0.36
PFX-5220 LHBC(155/180/210)W	155	1.44	0.83	0.72	0.62	0.50	0.36
	180	1.67	0.96	0.83	0.72	0.58	0.42
	210	1.94	1.12	0.97	0.84	0.67	0.49
PFX-5220 LHBC(240/270/310)W	240	2.22	1.28	1.11	0.96	0.77	0.56
	270	2.50	1.44	1.25	1.08	0.86	0.63
	310	2.87	1.66	1.44	1.24	0.99	0.72
PFX-5220 LHBC(310/360/420)W	310	2.87	1.66	1.44	1.24	0.99	0.72
	360	3.33	1.92	1.67	1.44	1.15	0.83
	420	3.89	2.24	1.94	1.68	1.34	0.97

DIMENSIONS



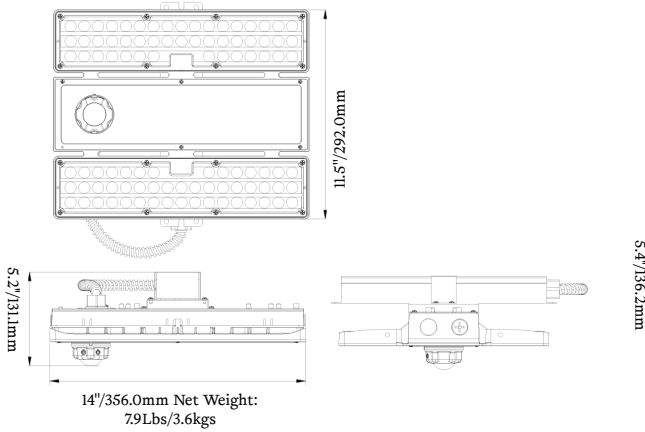
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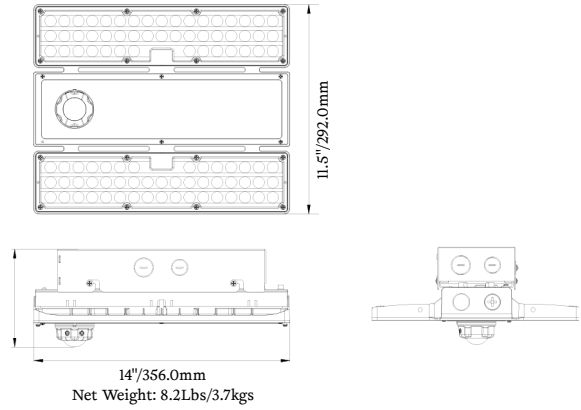


DIMENSIONS

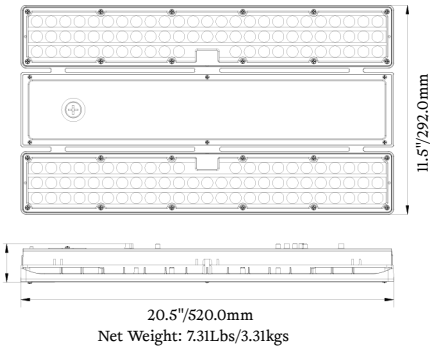
With Emergency Battery Backup & Sensor



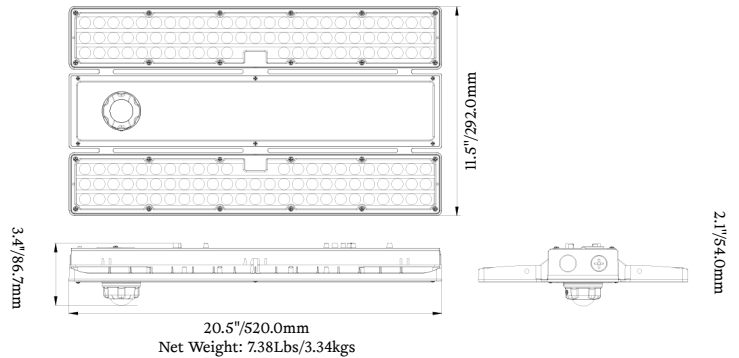
With Conduit & Surface Mount Kit & Sensor



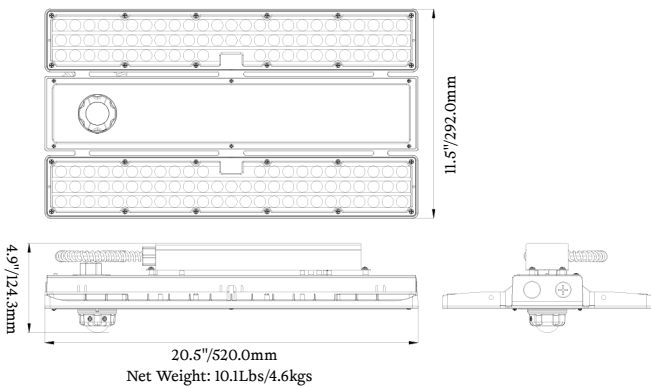
240-310W(1.7L)
Regular



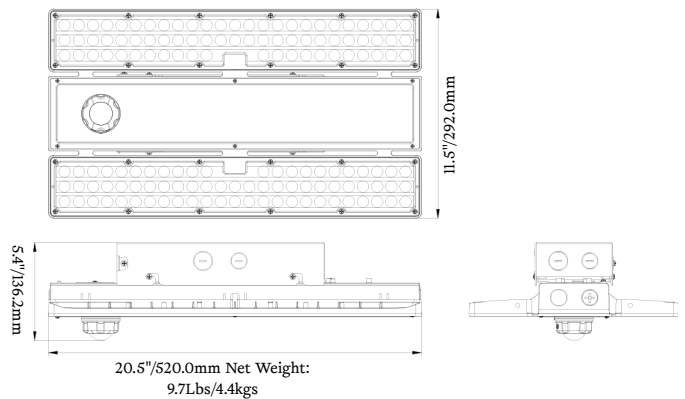
With Sensor



With Emergency Battery Backup & Sensor



With Conduit & Surface Mount Kit & Sensor



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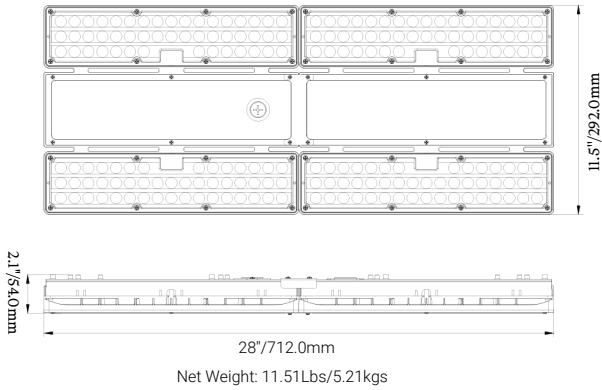
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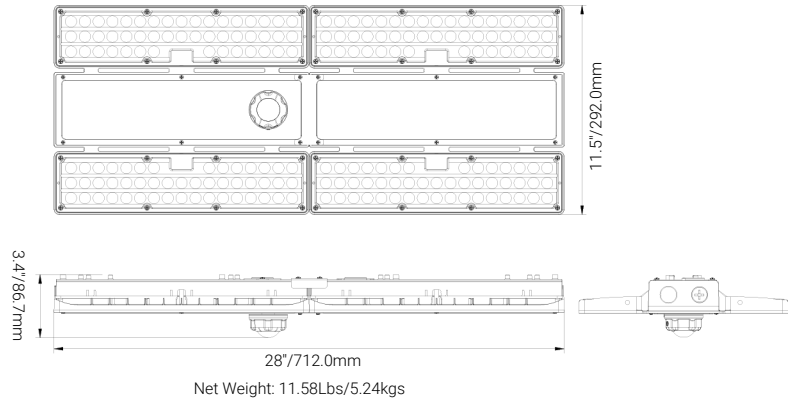
DIMENSIONS

310-420W(2.4L)

Regular



With Sensor



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