



LED LINEAR HIGH BAY (LHB06)

Applications:

Suitable for commercial, retail and institutional applications including cafeterias, gymnasiums, factories and warehouses.

FEATURES

Construction:

- Cold-rolled steel plate corrosion-resistant housing
- Ultra-Compact, sturdy design saves on freight cost and space
- Superior light distribution and uniformity

Optics:

- Lumen output from 11,700 to 39,000 Lumens with efficacy up to 158lm/W
- Fixed CCT (4000K/5000K) and Selectable CCT optional on 210W and 225W Models
- Semi-frosted Diffuser for maximum lumen output
- Prismatic diffuser for maximum glare reduction
- The aisle optics promotes excellent vertical illumination for warehouse applications



210W/225W
Selectable CCT and Wattage

Electrical:

- Universal 120-277 VAC or 347/480 VAC input voltage
- Wattage 90W to 300W, 210W and 225W Selectable Wattage Optional (100%,80%,60%,40%)
- 0-10V Dimming, down to 10%
- 6KV Surge Protection Optional
- Operating temperature is -40°C to 50°C (-40°F to 122°F).

Note: Operating with emergency battery temperature range: 0°C to 50°C (+32°F- +122°F)

Warranty:

- Five-year limited warranty

Controls:

- PIR sensor, Bluetooth sensor and Emergency Battery Optional

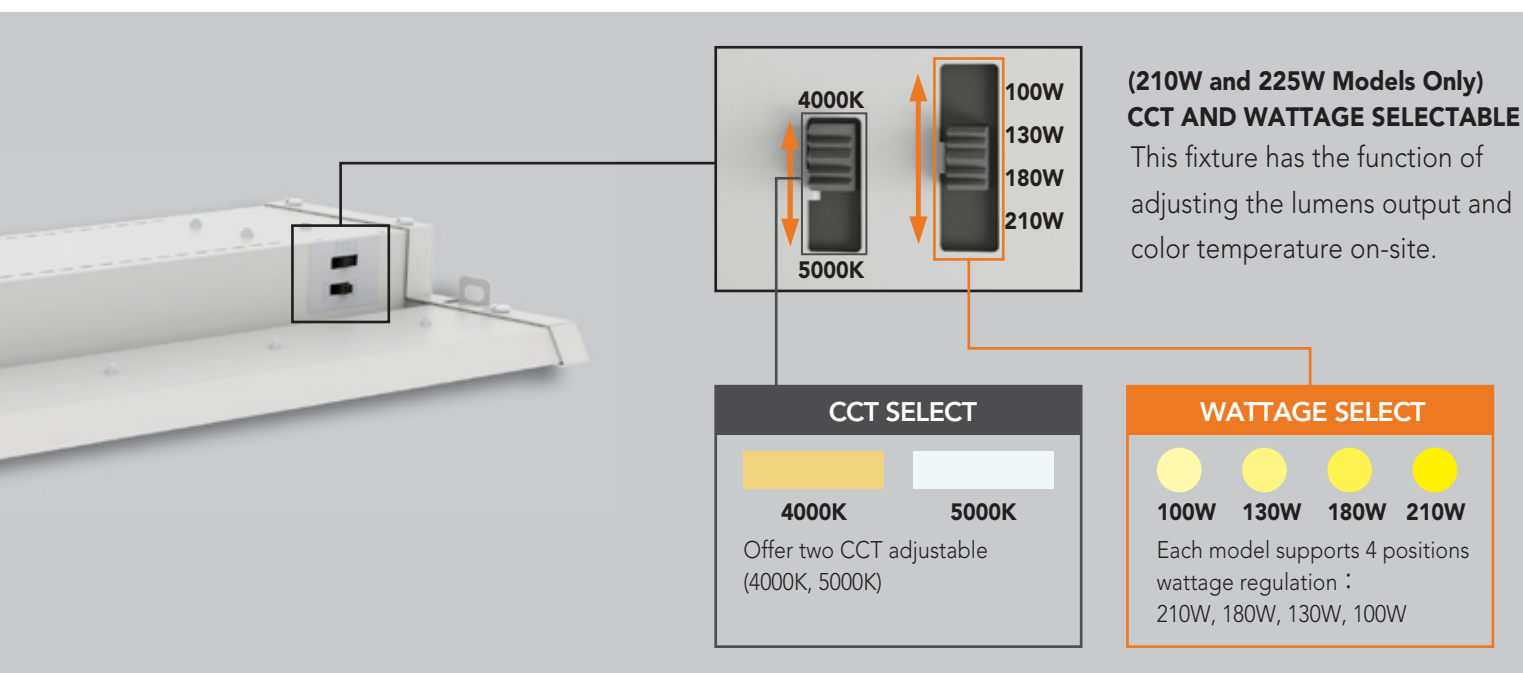
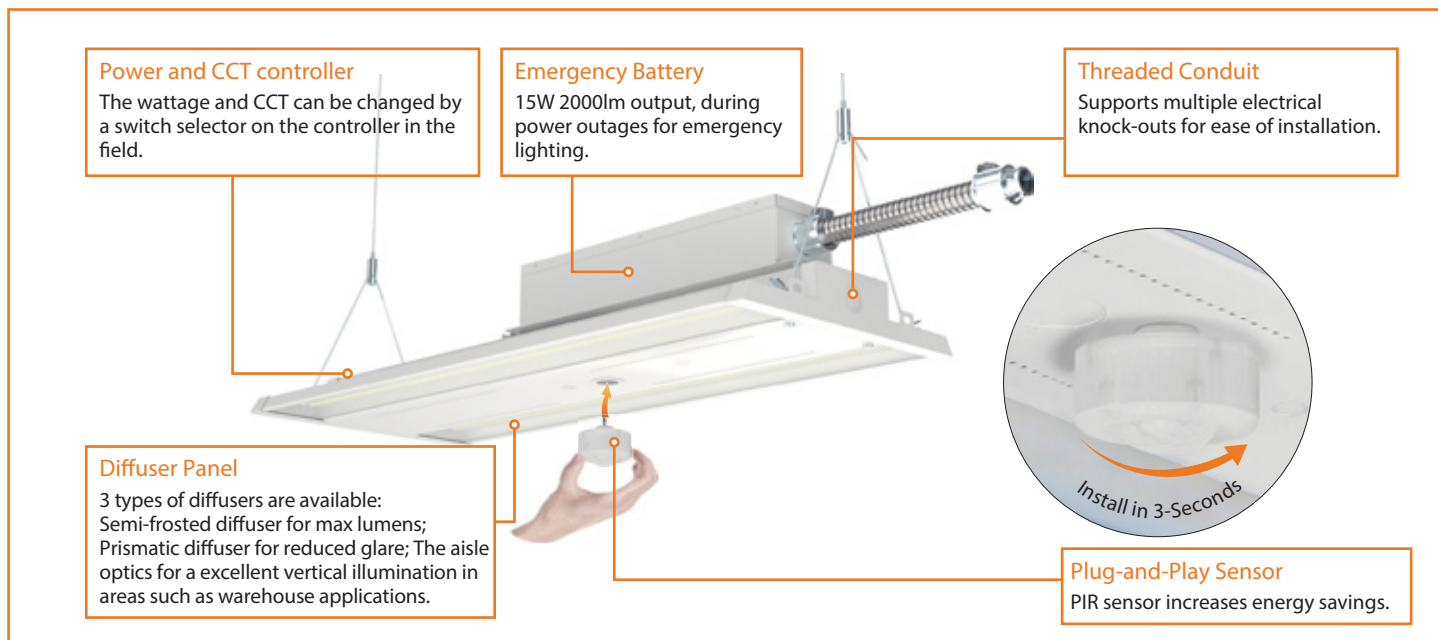
Mounting:

- Steel wire rope mount (default), Pendant and Surface Optional

Lifespan:

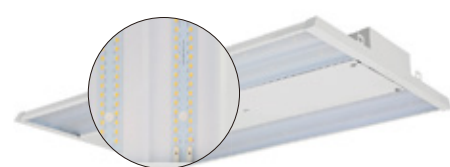
- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.



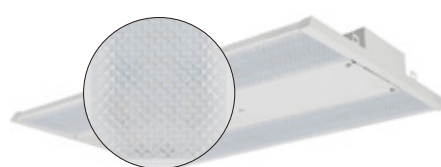


OPTICS - Selectable CCT and Wattage

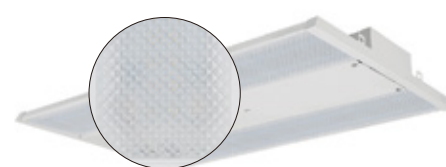
Various optics diffusers and mounting options covering all your application needs.



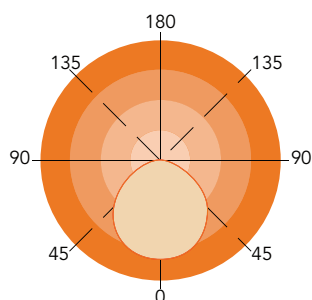
Semi-frosted Diffuser (High Efficacy)



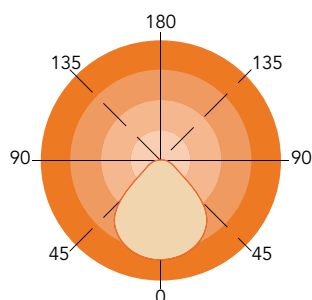
Prismatic Diffuser (Low Glare)



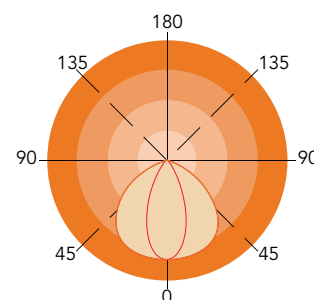
Textured Diffuser (Aisle Optic)



General Optic



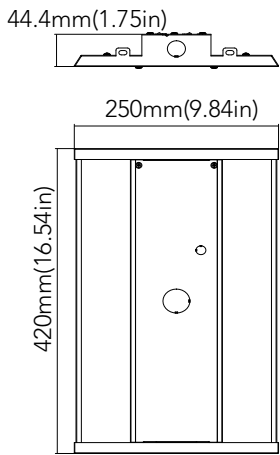
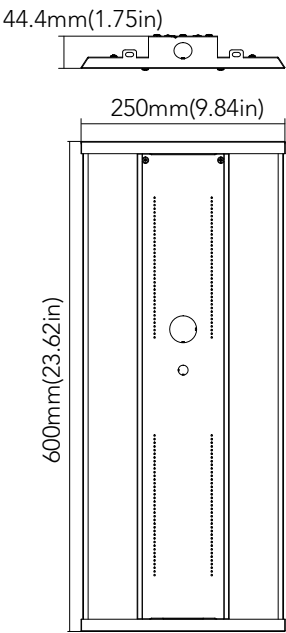
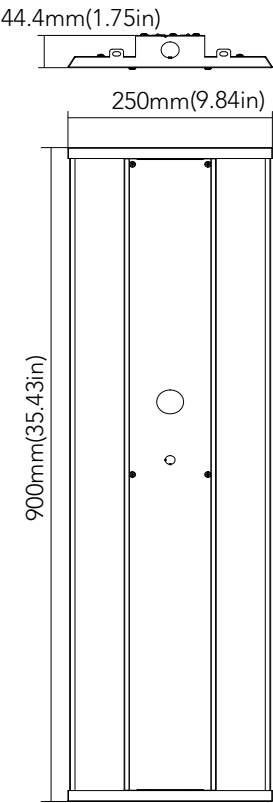
General Optic



Aisle Optic

DIMENSIONS

unit: inch/mm



90W/130W

175W/210W

270W/300W

Weight:
90W: 4.63lb
130W: 4.63lb
175W: 5.67lb
210W: 5.80lb
270W/300W: 9.02lb

ELECTRICAL DATA

Number of Drivers	Driver Current (mA)	Nominal Power (W)	Input Voltage (V)	Current (Amps)
1	850	90	120	0.75
		90	208	0.43
		90	240	0.38
		90	277	0.32
1	2400	90	347	0.26
		90	480	0.19
1	1200	130	120	1.08
		130	208	0.63
		130	240	0.54
		130	277	0.47
		145	347	0.42
		145	480	0.30
1	1060	175	120	1.46
		175	208	0.84
		175	240	0.73
		175	277	0.63
		185	347	0.53
		185	480	0.39
1	1060	210	120	1.75
		210	208	1.01
		210	240	0.88
		210	277	0.76
		225	347	0.65
		225	480	0.47
2	2400	270	120	2.25
		270	208	1.30
		270	240	1.13
		270	277	0.97
		278	347	0.80
		278	480	0.58
2	2400	300	120	2.50
		300	208	1.44
		300	240	1.25
		300	277	1.08
		310	347	0.89
		310	480	0.65

PERFORMANCE DATA - Selectable CCT and Wattage

LHB06 210W (Semi-frosted Diffuser)						
SETTING	SYSTEM WATTS	VOLTAGE	4000K (70CRI)		5000K (70CRI)	
			LUMENS	LPW	LUMENS	LPW
100%	210W	120-277VAC	30200lm	144lm/W	30200lm	144lm/W
80%	180W	120-277VAC	26000lm	144lm/W	26000lm	144lm/W
60%	130W	120-277VAC	20000lm	154lm/W	20000lm	154lm/W
40%	100W	120-277VAC	14800lm	148lm/W	14800lm	148lm/W

LHB06 210W (Prismatic Diffuser)						
SETTING	SYSTEM WATTS	VOLTAGE	4000K (70CRI)		5000K (70CRI)	
			LUMENS	LPW	LUMENS	LPW
100%	210W	120-277VAC	30500lm	145lm/W	30500lm	145lm/W
80%	180W	120-277VAC	26200lm	146lm/W	26200lm	146lm/W
60%	130W	120-277VAC	20000lm	154lm/W	20000lm	154lm/W
40%	100W	120-277VAC	14800lm	148lm/W	14800lm	148lm/W

LHB06 210W (Aisle Optic)						
SETTING	SYSTEM WATTS	VOLTAGE	4000K (70CRI)		5000K (70CRI)	
			LUMENS	LPW	LUMENS	LPW
100%	210W	120-277VAC	30200lm	144lm/W	30200lm	144lm/W
80%	180W	120-277VAC	25600lm	142lm/W	25600lm	142lm/W
60%	130W	120-277VAC	18800lm	145lm/W	18800lm	145lm/W
40%	100W	120-277VAC	14600lm	146lm/W	14600lm	146lm/W

LHB06 225W (Semi-frosted Diffuser)						
SETTING	SYSTEM WATTS	VOLTAGE	4000K (70CRI)		5000K (70CRI)	
			LUMENS	LPW	LUMENS	LPW
100%	225W	347/480VAC	31000lm	138lm/W	31000lm	138lm/W
80%	190W	347/480VAC	26000lm	137lm/W	26000lm	137lm/W
60%	145W	347/480VAC	20500lm	141lm/W	20500lm	141lm/W
40%	110W	347/480VAC	15000lm	136lm/W	15000lm	136lm/W

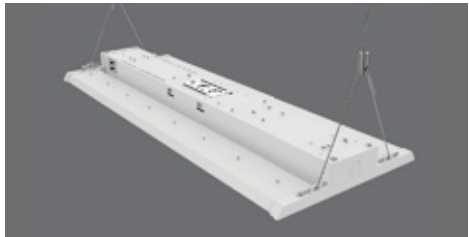
LHB06 225W (Prismatic Diffuser)						
SETTING	SYSTEM WATTS	VOLTAGE	4000K (70CRI)		5000K (70CRI)	
			LUMENS	LPW	LUMENS	LPW
100%	225W	347/480VAC	31000lm	138lm/W	31000lm	138lm/W
80%	190W	347/480VAC	26000lm	137lm/W	26000lm	137lm/W
60%	145W	347/480VAC	20500lm	141lm/W	20500lm	141lm/W
40%	110W	347/480VAC	15000lm	136lm/W	15000lm	136lm/W

LHB06 225W (Aisle Optic)						
SETTING	SYSTEM WATTS	VOLTAGE	4000K (70CRI)		5000K (70CRI)	
			LUMENS	LPW	LUMENS	LPW
100%	225W	347/480VAC	30500lm	136lm/W	30500lm	136lm/W
80%	190W	347/480VAC	25800lm	136lm/W	25800lm	136lm/W
60%	145W	347/480VAC	19800lm	137lm/W	19800lm	143lm/W
40%	110W	347/480VAC	15000lm	136lm/W	15000lm	145lm/W

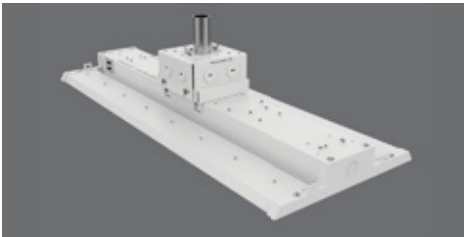
PERFORMANCE DATA - Fixed CCT and Wattage

SYSTEM WATTS	VOLTAGE	LENS	LUMENS 4000K(70CRI)	LPW 4000K(70CRI)	LUMENS 5000K(70CRI)	LPW 5000K(70CRI)
90W	120-277VAC 347-480VAC	Semi-frosted Diffuser	12700lm	141 lm/W	12700lm	141 lm/W
		Prismatic Diffuser	12100lm	134 lm/W	12100lm	134 lm/W
		FrostedDiffuser	11700lm	130 lm/W	11700lm	130 lm/W
130W	120-277VAC	Semi-frosted Diffuser	18600lm	143 lm/W	18600lm	143 lm/W
		Prismatic Diffuser	17600lm	135 lm/W	17600lm	135 lm/W
		FrostedDiffuser	17200lm	132 lm/W	17200lm	132 lm/W
145W	347/480VAC	Semi-frosted Diffuser	19100lm	132 lm/W	19200lm	132 lm/W
		Prismatic Diffuser	18800lm	130 lm/W	18800lm	130 lm/W
		FrostedDiffuser	18500lm	128 lm/W	18500lm	128 lm/W
175W	120-277VAC	Semi-frosted Diffuser	25000lm	143 lm/W	25000lm	143 lm/W
		Prismatic Diffuser	23500lm	134 lm/W	23500lm	134 lm/W
		FrostedDiffuser	23000lm	131 lm/W	23000lm	131 lm/W
185W	347/480VAC	Semi-frosted Diffuser	25300lm	137 lm/W	25300lm	137 lm/W
		Prismatic Diffuser	24700lm	134 lm/W	24700lm	134 lm/W
		FrostedDiffuser	24000lm	130 lm/W	24000lm	130 lm/W
210W	120-277VAC	Semi-frosted Diffuser	30600lm	146 lm/W	30600lm	146 lm/W
		Prismatic Diffuser	28000lm	133 lm/W	28000lm	133 lm/W
		FrostedDiffuser	27500lm	131 lm/W	27500lm	131 lm/W
220W	347/480VAC	Semi-frosted Diffuser	31000lm	141 lm/W	31000lm	141 lm/W
		Prismatic Diffuser	29200lm	133 lm/W	29200lm	133 lm/W
		FrostedDiffuser	28500lm	130 lm/W	28500lm	130 lm/W
270W	120-277VAC	Semi-frosted Diffuser	37000lm	137 lm/W	37000lm	137 lm/W
		Prismatic Diffuser	35200lm	130 lm/W	35200lm	130 lm/W
		FrostedDiffuser	34400lm	127 lm/W	34400lm	127 lm/W
278W	347/480VAC	Semi-frosted Diffuser	37500lm	135 lm/W	37500lm	135 lm/W
		Prismatic Diffuser	36000lm	129 lm/W	36000lm	129 lm/W
		FrostedDiffuser	35300lm	127 lm/W	35300lm	127 lm/W
300W	120-277VAC	Semi-frosted Diffuser	41500lm	138 lm/W	41500lm	138 lm/W
		Prismatic Diffuser	40000lm	133 lm/W	40000lm	133 lm/W
		Frosted Diffuser	39000lm	130 lm/W	39000lm	130 lm/W
310W	347/480VAC	Semi-frosted Diffuser	42000lm	135 lm/W	42000lm	135 lm/W
		Prismatic Diffuser	40000lm	133 lm/W	40000lm	133 lm/W
		FrostedDiffuser	39000lm	130 lm/W	39000lm	130 lm/W

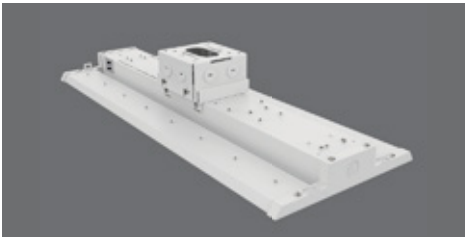
MOUNTING



Mounting With Steel Wire Rope



Conduit Pendant Mount



Surface Mounting

ACCESSORIES (Optional)

		
PIR Sensor, 120-277V PIR sensor: BRI823-B-D Bluetooth PIR sensor: BRI823-B-D-BLE-SR	Plug-and-Play PIR Sensor PIR sensor: ANT-6-4T Bluetooth PIR sensor: ANT-6-4T-BLE-SR	Plug-and-Play Microwave Sensor Microwave sensor: ANT-5-4T Bluetooth microwave sensor: ANT-5-4T-BLE-SR

			
Emergency Battery Backup USE: 15W, 2000lm, 90min.	Steel Wire Rope USE: Chain mounting.	Pendant Hanger USE: Pendant with 3/4" conduit.	Wire Guards

ORDERING GUIDE

Example: AO-LHB06-90-LV-40K-CD-M-B-S

Fixture Type	Wattage		Voltage		CCT	Lens	Sensor (Option)	Backup Battery (Option)	Surge Protector	Internal Code
AO-										
LHB06 Linear High Bay Series	90	90W	LV	120-277V	40K 4000K 50K 5000K DDK Adjustable Color Temp.	CD Clear Diffuser PD Prismatic Diffuser AL ³ Aisle Optic (Textured)	M Motion Sensor Blank Without Sensor	B Emergency Battery Blank Without Emergency Battery	S With 6KV Surge Protector Blank Without Surge Protector	Blank Alphanumeric
	130	130W								
	175	170W								
	210	210W ⁴								
	270	270W								
	300	300W								
	145	145W	HV	347/480V						
	185	185W								
	225	225W ⁴								
	278	278W								
	310	310W								

- Note:
- 1. Pendant/surface mounting is not supported when an emergency battery is installed.
 - 2. 90W and 130W use 8W Emergency Battery; 175W, 210W, 270W, 300W use 15W Emergency Battery.
 - 3. Aisle optics only optional with 210W and 225W selectable CCT and Wattage.
 - 4. 210W and 225W only have DDK option for selectable CCT and Wattage.

Actual performance may differ as a result of end-user environment and application. All values are design or calculated values measured in laboratory conditions. Specifications subject to change without notice.



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