LHB-4G (Selectable)

LED HIGH BAY

Utopia

Date:	Project:
Prepared for:	Type:

Application

LHB-4G is a rugged, reliable, versatile and durable compact Linear high bay. The specially designed optical system can effectively reduce glare and provide comfortable illumination effect. Suitable for commercial, retail and institutional applications including gymnasiums, factories and warehouses.

Features

- The use of reliable and durable die-cast housings contributes to longer service life and increased efficiency.
- Rugged, one-piece die-cast aluminum housing features a rock-solid quality and performance.
- LED module and driver are separated and extend service life through convection cooling, thermal management.
- Compact design saves labor cost and improves installation efciency.
- Innovative contractor-friendly packaging makes installation faster.
- Prismatic translucent lens is designed to shape the light uniformity and controls the glare light.
- Optional for aisle lens has an asymmetric distribution for aisle or rack areas.

Mounting

- 5ft Aircraft cable mount (standard).
- Surface mount (option).
- Conduit pendant mount (option).

LED

- Light engines are available in color selectable version, the CCT can be changed to two CCTs (4000K, 5000K).
- Scalable Lumen Packages from 8,200 to 74,000 Lumens.
- Color Rendering Index: Ra > 80
- Estimated 50,000 hours LED lifespan based on IES LM-80 results and TM-21 calculations.

Electrical

- Universal 120-277VAC or 347-480VAC input voltage.
- Wattage adjustable: 100%, 80%, 60%, 40%.
- 0-10V dimming standard for a dimming range of 100% to 10%.
- Operating Temperature Range: -40°F ~ 122°F (-40°C ~ 50°C).
- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

Listing

- UL/CUL listed and labeled.
- DLC premium listed. [1]
- Suitable for damp locations.
- 5 years limited warranty.

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Revised: Dec. 22, 2025   utopialighting.com   Tel: (866) 471-7711   Page 1

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🟩 Ordering Information

Example : LDB-2FT-4SL-2T-UNV

Model	LED		Color Temp		CRI		Voltage		LED Driver		Distribution	
LHB-4G	**130LED**	130W LED	**2T**	4000K/5000K Field Adjustable	**(Blank)**	80CRI	**UNV**	120-277V	**(Blank)**	0-10V dim to 10~100% (Std.)	**(Blank)** **3060**	Standard Aisle lighter[7]
	160LED	160W LED			**C9**	90CRI (20% lower lumen than 80CRI)	**347**	347V				
	205LED	205W LED					**480**	480V				
	250LED	250W LED							**BLT**	Bluetooth Mesh System (contact factory for more information)		
	300LED	300W LED										
	410LED	410W LED										

Controls		Lens		Options	
ANT-6-4T	Integrated PIR dimming & occupancy sensor	**(Blank)**	Prismatic translucent acrylic lens	**EMG8**	1296 LUMEN EM Battery Backup 4
ANT-6-4T-BLE-SR	Integrated PIR dimming & occupancy sensor with Bluetooth control			**EMG15**	2430 LUMEN EM Battery Backup 5
BRI819P-B-D	External mount PIR dimming and daylight occupancy sensor			**EMG25**	4125 LUMEN EM Battery Backup 6
BIR819P-B-D-BLE-SR	External mount PIR dimming and daylight occupancy sensor with Bluetooth control			**EMG30**	4950 LUMEN EM Battery Backup 3
				ELCU-200	Fail-to-on Emergency lighting, UL924 2
				PMB3	Pendant Monopoint Bracket 3/4" Hub
				SMB	Surface Mount Bracket
				WG	Wire Guard
				CS15-185-BK	15FT cord installed, 5 wires
				CS15-186-BK	15FT cord installed, 6 wires for EM
				PW6-185	6FT flex whip installed, 5 wires
				PW6-186	6FT flex whip installed, 6 wires for EM
				ARRA	Assembled in USA for Buy American Act

Lighting Control System	
PPA102S	Bluetooth Powerpack (Consult factory for installation location)
EFS104	Bluetooth Enabled Occupancy sensor with Daylight Harvesting.
CASAMBI	Contact factory for CASAMBI READY options

NOTES:
1. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified.
   Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
2. Shipped separately.
3. Available with 347V, 480V only. (not available with 300LED fixture)
4. Available with LHB-4G-130LED only.
5. Available with LHB-4G-160LED and 205LED only.
6. Available with LHB-4G-250LED, 300LED and 410LED only.
7. Not available with 300LED and 410LED.

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Utopia

Configurations

**4000K CCT has a higher lumen output and efficiency than 5000K due to the characteristic of CCT selectable

130LED					
SETTING	WATTS	4000K		5000K	
		Lumen Output	Lumen / Watts	Lumen Output	Lumen / Watts
100%	130LED	18500 lm	142 lm/W	18500 lm	142 lm/W
80%	104LED	15200 lm	146 lm/W	15200 lm	146 lm/W
60%	78LED	12100 lm	155 lm/W	12100 lm	155 lm/W
40%	52LED	8200 lm	158 lm/W	8200 lm	158 lm/W

160LED					
100%	160LED	24100 lm	151 lm/W	24100 lm	151 lm/W
80%	128LED	20000 lm	156 lm/W	20000 lm	156 lm/W
60%	96LED	15500 lm	161 lm/W	15500 lm	161 lm/W
40%	64LED	10600 lm	166 lm/W	10600 lm	166 lm/W

205LED					
100%	205LED	30500 lm	149 lm/W	30500 lm	149 lm/W
80%	164LED	25000 lm	152 lm/W	25000 lm	152 lm/W
60%	123LED	19500 lm	159 lm/W	19500 lm	159 lm/W
40%	82LED	14000 lm	171 lm/W	14000 lm	171 lm/W

300LED					
100%	300LED	42000 lm	140 lm/W	42000 lm	140 lm/W
80%	240LED	36000 lm	150 lm/W	36000 lm	150 lm/W
60%	180LED	28000 lm	156 lm/W	28000 lm	156 lm/W
40%	120LED	20000 lm	167 lm/W	20000 lm	167 lm/W

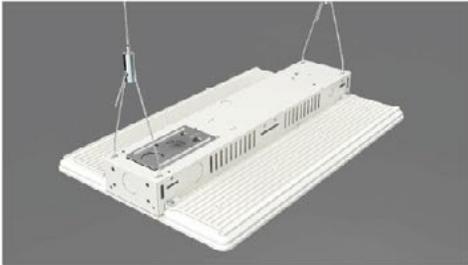| 410LED					
100%	410LED	60600 lm	148 lm/W	60600 lm	148 lm/W
80%	328LED	50000 lm	152 lm/W	50000 lm	152 lm/W
60%	246LED	38400 lm	156 lm/W	38400 lm	156 lm/W
40%	164LED	28000 lm	171 lm/W	28000 lm	171 lm/W

Distribution
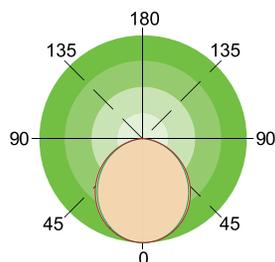
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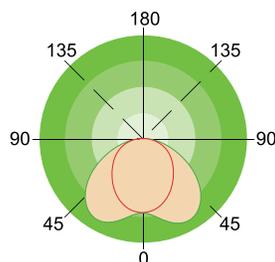
Aisle Lighter

LHB-4G (Selectable)

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Utopia

14.17
(360)

1.65
(41.8)

9.45
(240)

130W

18.11
(460)

1.65
(41.8)

11.02
(280)

160W/205W

26.77
(680)

1.65
(41.8)

11.02
(280)

250W/300W

36.22
(920)

1.65
(41.8)

11.02
(280)

410W

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Revised: Dec. 22, 2025   utopialighting.com   Tel: (866) 471-7711   Page 4
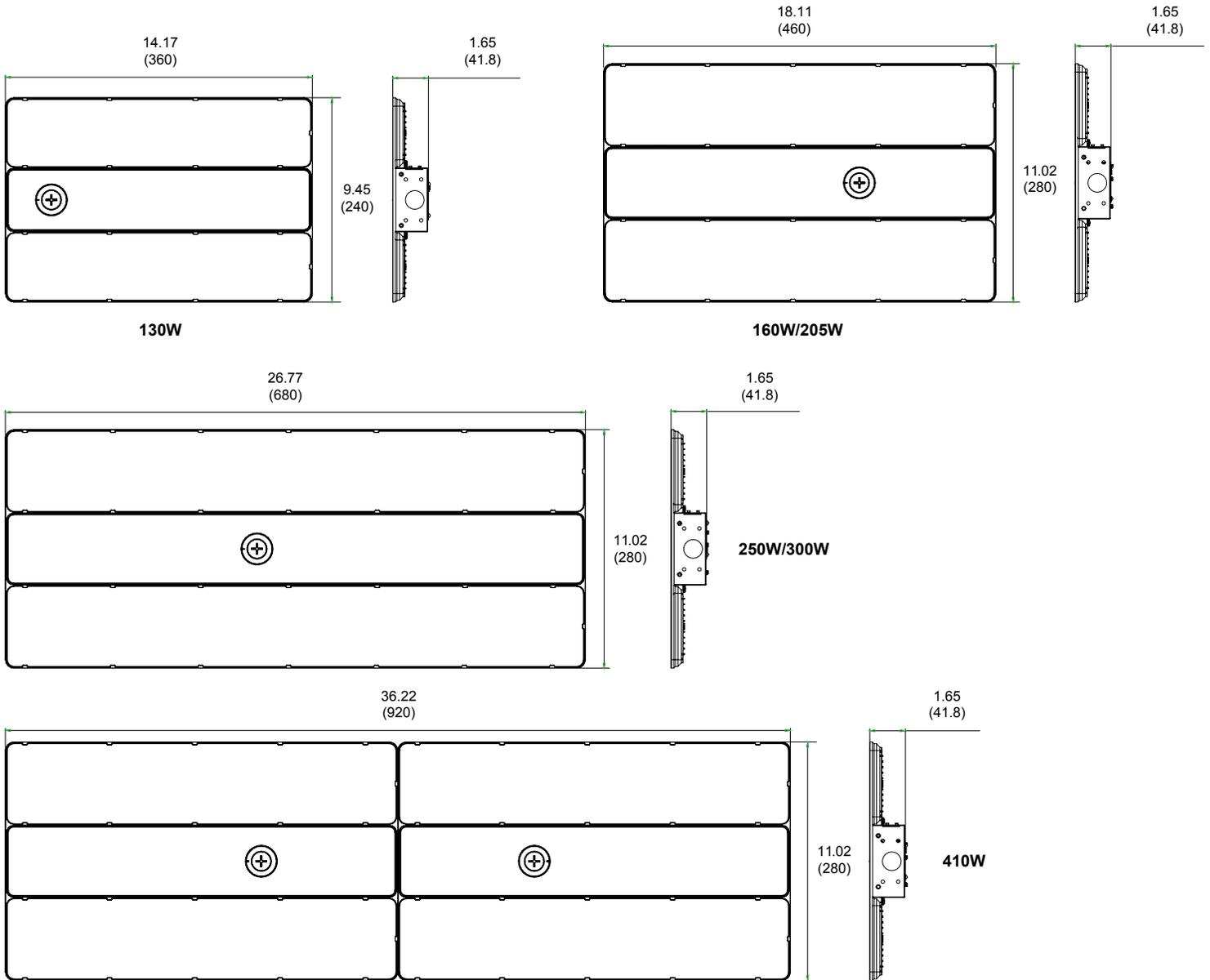
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130W

160W/205W

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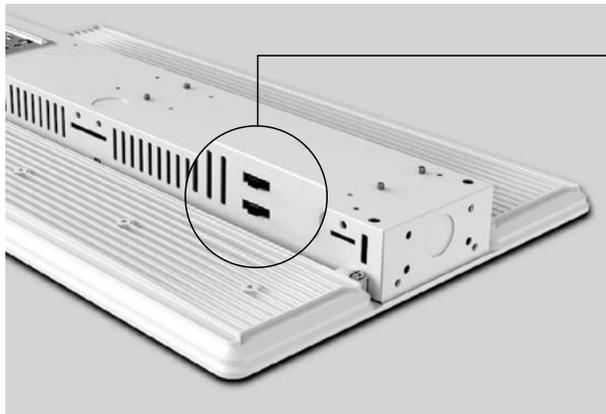**Mounting With Steel Wire Rope**
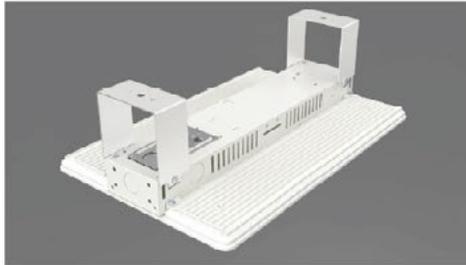
Surface Mounting

Conduit Pendant Mount

4000K
5000K

40%
60%
80%
100%
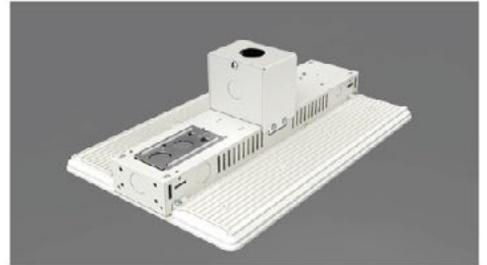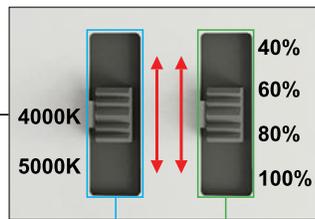
CCT AND WATTAGE SELECTABLE

This xture has the function of adjusting the lumens output and color temperature on-site.

CCT SELECT	
4000K	5000K

Offer two CCT adjustable (4000K, 5000K)

WATTAGE SELECT			
40%	60%	80%	100%

Each model supports 4 positions wattage regulation:
100%, 80%, 60%, 40%W

with ANT-6 integrated sensor