

CLHB | COMPACT LINEAR HIGH BAYS

3 LUMEN BOOST® | 2 CCT COLOR PREFERENCE®

0-10V Dimming | Efficacy up to 154 LPW

KEY FEATURES

Each CLHB Compact High Bay series combines a small profile with superior lumen output and has an excellent operating temperature range from -22°F to 122°F. Luminaires are both CCT and wattage selectable—offering flexibility and efficiency.

CCT & Light Quality

- 2 Selectable CCTs (4000K, 5000K), 80+ CRI

Light Output & Efficacy

- 3 Wattage Levels, 4 lumen packages:

Lm Pkg 1: 60 | 80 | 110W **Lm Pkg 3:** 180 | 200 | 220W

Lm Pkg 2: 120 | 140 | 165W **Lm Pkg 4:** 240 | 280 | 300W

Dimming, Controls

- 0-10V dimming to 10%
- Emergency BBU, MTO Options available
- Plug-in Microwave and PIR Sensors available as separate order accessories
- Life projected L70 > 50,000 hours

SPECIFICATIONS

Construction

- Light weight Iron and Aluminum housing designed for durability
- Thermal Management: Fixture top is designed to maximize heat dissipation

Optics

- Frosted Polycarbonate lens provides excellent light quality

Installation

- 3' Chain & V-Hooks included for suspended mounting
- Additional mounting kits available as accessories:

Surface mount
Pendant mount

- 3 LUMEN BOOST® / 2 CCT COLOR PREFERENCE® for easy field-adjustable lumen / CCT selection with switch located on back panel. Factory set to highest wattage and 5000K.

Electrical

- > 54,000 hour LEDs at L70 for reduced maintenance
- High ambient temperature rating for demanding applications -30°C to 50°C (-22°F to 122°F)
- 120-277V and 347-480V options available, 50/60Hz
- Surge protection: 6kV Standard (10kVA MTO option available)
- 0-10V dimmable driver, down to 10%
- Ships at the highest wattage setting
- Power Cord with NEMA Twist Lock Plug MTO options available

Warranty

5-Year Standard Warranty. See terms at: [ETISSL.com/warranty/](https://etiSSL.com/warranty/)

KEY DATA	
Lm Range for Lm Pkg 1 (60-80-110W)	9462 – 15870
Lm Range for Lm Pkg 2 (120-140-165W)	17812 – 23589
Lm Range for Lm Pkg 3 (180-200-220W)	26808 – 31695
Lm Range for Lm Pkg 4 (240-280-300W)	35263 – 42269
Efficacy Range (LPW)	139 – 154
Reported Life (Hours)	L70 / > 50,000

DATE:	PROJECT:
TYPE:	NOTES:
CATALOG #:	



Lumen Pkg.
Sizes 1 & 2



Lumen Pkg.
Sizes 3 & 4

Plug-in Sensor
Accessories
Available



Certifications & Test Data

- cULus Listed. All luminaires are built to UL standards for performance and lifetime calculations
- Damp location rated, IP20
- Adheres to LM79, LM80, and TM21 industry standards for photometric, lumen maintenance and lifetime calculations
- DLC® (DesignLights Consortium) Premium. Please refer to DLC for specific product qualifications at www.designlights.org
- Driver rated for FCC part 15 Class B for use in residential or commercial applications



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ORDERING GUIDE

OPTIONS								
CLHB	1	LB3	CP2	MV	LVD			
Series	Lumens	Lumen Boost	CCT	Voltage	Dimming	BBU	Surge	Cords
CLHB Compact Linear High Bay	(Lumen Pkg.) ¹ 1 8400 – 15800 lm 2 17000 – 23500 lm 3 25500 – 31500 lm 4 33500 – 43000 lm	LB3 3 Lumen Boost® Lumen Pkg #1: 60 80 110W Lumen Pkg #2: 120 140 165W Lumen Pkg #3: 180 200 220W Lumen Pkg #4: 240 280 300W	CP2 2 CCT Color Preference® 4000K & 5000K	MV Multi-Volt 120-277V HV High-Volt 347-480V ²	LVD Low Voltage Dimming 0-10V	EMB16 Emergency Battery Backup 16W (enclosure included) ^{3,4} (Leave Blank) No BBU	SPD10 10kVA Surge Protection ⁵ (Leave Blank) Standard 6kV Surge Protection	CC6NTL120V 6', 14/3 So Cord w/ NEMA 125V Plug CC6NTL277V 6' 14/3 SO Cord w/ NEMA 277V Plug (Leave Blank) No Cord

Notes: 1. Lumen package ranges are approximate values. For actual lumen data, please see below.
2. High-Volt 347-480V MTO only. Lead times apply.
3. EMB16 BBU available for Multi-Volt models only. Made to Order—lead times apply.
4. EMB16 BBU not compatible with sensors QI-MW-OCC or QI-PIR-OCC.
5. Surge Protection MTO only. Lead times apply.

STOCK ORDERING INFORMATION

Catalog Part Number	Order Number	Description	Dimming	CRI	CCT	Nominal Watts	Delivered Lumens ¹	Efficacy	DLC
☐ CLHB-1-LB3-CP2-MV-LVD	63821101	Compact Linear High Bay, Lumen Pkg 1	0-10V	80+	4000K	110	15477	140	Premium
						80	12008	148	
						60	9462	152	
					5000K	110	15870	140	
						80	12230	149	
						60	9736	154	
☐ CLHB-2-LB3-CP2-MV-LVD	63821201	Compact Linear High Bay, Lumen Pkg 2	0-10V	80+	4000K	165	23171	140	Premium
						140	20331	143	
						120	17812	146	
					5000K	165	23589	139	
						140	20750	143	
						120	18258	146	
☐ CLHB-3-LB3-CP2-MV-LVD	63822101	Compact Linear High Bay, Lumen Pkg 3	0-10V	80+	4000K	220	31268	142	Premium
						200	28922	145	
						180	26808	148	
					5000K	220	31695	140	
						200	29426	144	
						180	27111	147	
☐ CLHB-4-LB3-CP2-MV-LVD	63822201	Compact Linear High Bay, Lumen Pkg 4	0-10V	80+	4000K	300	42026	139	Premium
						280	39565	141	
						240	35263	145	
					5000K	300	42269	140	
						280	39964	139	
						240	35537	143	

Notes: 1. For more delivered lumens and test data on page 6, or visit ETISSL.com

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MADE-TO-ORDER BATTERY BACKUP OPTIONS (Longer lead times apply. Contact ETi for details.)

Catalog Part Number	Order Number	Description
☐ CLHB-1-LB3-CP2-MV-LVD-EMBI6	63821101-EM	Compact Linear High Bay, Lumen Pkg 1 with Emergency BBU (16W)
☐ CLHB-2-LB3-CP2-MV-LVD-EMBI6	63821201-EM	Compact Linear High Bay, Lumen Pkg 2 with Emergency BBU (16W)
☐ CLHB-3-LB3-CP2-MV-LVD-EMBI6	63822101-EM	Compact Linear High Bay, Lumen Pkg 3 with Emergency BBU (16W)
☐ CLHB-4-LB3-CP2-MV-LVD-EMBI6	63822201-EM	Compact Linear High Bay, Lumen Pkg 4 with Emergency BBU (16W)

MADE-TO-ORDER HV (347-480VAC) OPTIONS (Longer lead times apply. Contact ETi for details.)

Catalog Part Number	Order Number	Description
☐ CLHB-1-LB3-CP2-HV-LVD	63821101-HV	Compact Linear High Bay, Lumen Pkg 1, 347-480V
☐ CLHB-2-LB3-CP2-HV-LVD	63821201-HV	Compact Linear High Bay, Lumen Pkg 2, 347-480V
☐ CLHB-3-LB3-CP2-HV-LVD	63822101-HV	Compact Linear High Bay, Lumen Pkg 3, 347-480V
☐ CLHB-4-LB3-CP2-HV-LVD	63822201-HV	Compact Linear High Bay, Lumen Pkg 4, 347-480V

MADE-TO-ORDER PLUG OPTIONS (Longer lead times apply. Contact ETi for details.)

Catalog Part Number	Order Number	Description
☐ CLHB-1-LB3-CP2-MV-LVD-CC6NTL120V	63821101-CC6NTL120V	Compact Linear High Bay, Lumen Pkg 1 with 6', 14/3 cord w/ NEMA Twist Lock L5-15 (125V) Plug
☐ CLHB-2-LB3-CP2-MV-LVD-CC6NTL120V	63821201-CC6NTL120V	Compact Linear High Bay, Lumen Pkg 2 with 6', 14/3 cord w/ NEMA Twist Lock L5-15 (125V) Plug
☐ CLHB-3-LB3-CP2-MV-LVD-CC6NTL120V	63822101-CC6NTL120V	Compact Linear High Bay, Lumen Pkg 3 with 6', 14/3 cord w/ NEMA Twist Lock L5-15 (125V) Plug
☐ CLHB-4-LB3-CP2-MV-LVD-CC6NTL120V	63822201-CC6NTL120V	Compact Linear High Bay, Lumen Pkg 4 with 6', 14/3 cord w/ NEMA Twist Lock L5-15 (125V) Plug
☐ CLHB-1-LB3-CP2-MV-LVD-CC6NTL277V	63821101-CC6NTL277V	Compact Linear High Bay, Lumen Pkg 1 with 6', 14/3 cord w/ NEMA Twist Lock L5-15 (277V) Plug
☐ CLHB-2-LB3-CP2-MV-LVD-CC6NTL277V	63821201-CC6NTL277V	Compact Linear High Bay, Lumen Pkg 2 with 6', 14/3 cord w/ NEMA Twist Lock L5-15 (277V) Plug
☐ CLHB-3-LB3-CP2-MV-LVD-CC6NTL277V	63822101-CC6NTL277V	Compact Linear High Bay, Lumen Pkg 3 with 6', 14/3 cord w/ NEMA Twist Lock L5-15 (277V) Plug
☐ CLHB-4-LB3-CP2-MV-LVD-CC6NTL277V	63822201-CC6NTL277V	Compact Linear High Bay, Lumen Pkg 4 with 6', 14/3 cord w/ NEMA Twist Lock L5-15 (277V) Plug

MADE-TO-ORDER SURGE PROTECTION OPTIONS (Longer lead times apply. Contact ETi for details.)

Catalog Part Number	Order Number	Description
☐ CLHB-1-LB3-CP2-MV-LVD-SPD10	63821101-SPD10	Compact Linear High Bay, Lumen Pkg 1 with 10kVA Surge Protection
☐ CLHB-2-LB3-CP2-MV-LVD-SPD10	63821201-SPD10	Compact Linear High Bay, Lumen Pkg 2 with 10kVA Surge Protection
☐ CLHB-3-LB3-CP2-MV-LVD-SPD10	63822101-SPD10	Compact Linear High Bay, Lumen Pkg 3 with 10kVA Surge Protection
☐ CLHB-4-LB3-CP2-MV-LVD-SPD10	63822201-SPD10	Compact Linear High Bay, Lumen Pkg 4 with 10kVA Surge Protection

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MADE-TO-ORDER SURGE PROTECTION WITH PLUG OPTIONS (Longer lead times apply. Contact ETi for details.)

Catalog Part Number	Order Number	Description
☐ CLHB-1-LB3-CP2-MV-LVD-SPD10-CC6NTL120V	63821101-SPD10-CC6NTL120V	Compact Linear High Bay, Lumen Pkg 1 with 10kVA Surge Protection and 6', 14/3 cord w/ NEMA Twist Lock L5-15 (125V) Plug
☐ CLHB-2-LB3-CP2-MV-LVD-SPD10-CC6NTL120V	63821201-SPD10-CC6NTL120V	Compact Linear High Bay, Lumen Pkg 2 with 10kVA Surge Protection and 6', 14/3 cord w/ NEMA Twist Lock L5-15 (125V) Plug
☐ CLHB-3-LB3-CP2-MV-LVD-SPD10-CC6NTL120V	63822101-SPD10-CC6NTL120V	Compact Linear High Bay, Lumen Pkg 3 with 10kVA Surge Protection and 6', 14/3 cord w/ NEMA Twist Lock L5-15 (125V) Plug
☐ CLHB-4-LB3-CP2-MV-LVD-SPD10-CC6NTL120V	63822201-SPD10-CC6NTL120V	Compact Linear High Bay, Lumen Pkg 4 with 10kVA Surge Protection and 6', 14/3 cord w/ NEMA Twist Lock L5-15 (125V) Plug
☐ CLHB-1-LB3-CP2-MV-LVD-SPD10-CC6NTL277V	63821101-SPD10-CC6NTL277V	Compact Linear High Bay, Lumen Pkg 1 with 10kVA Surge Protection and 6', 14/3 cord w/ NEMA Twist Lock L5-15 (277V) Plug
☐ CLHB-2-LB3-CP2-MV-LVD-SPD10-CC6NTL277V	63821201-SPD10-CC6NTL277V	Compact Linear High Bay, Lumen Pkg 2 with 10kVA Surge Protection and 6', 14/3 cord w/ NEMA Twist Lock L5-15 (277V) Plug
☐ CLHB-3-LB3-CP2-MV-LVD-SPD10-CC6NTL277V	63822101-SPD10-CC6NTL277V	Compact Linear High Bay, Lumen Pkg 3 with 10kVA Surge Protection and 6', 14/3 cord w/ NEMA Twist Lock L5-15 (277V) Plug
☐ CLHB-4-LB3-CP2-MV-LVD-SPD10-CC6NTL277V	63822201-SPD10-CC6NTL277V	Compact Linear High Bay, Lumen Pkg 4 with 10kVA Surge Protection and 6', 14/3 cord w/ NEMA Twist Lock L5-15 (277V) Plug

ACCESSORIES (must be ordered separately, field installed)

Occupancy Sensor^{1,2,3} Not compatible with MTO BBU Products

Catalog Part Number	Order Number	Description
☐ QI-MW-OCC	70211101	Plug-In Microwave OC Sensor SPEC SHEET DOWNLOAD
☐ QI-PIR-OCC	70226101	Plug-In PIR OC Sensor 0-10V Dimming, 12-24 VDC SPEC SHEET DOWNLOAD
☐ BCB-RCOP	70224101	Sensor Remote Control Programmer SPEC SHEET DOWNLOAD



Remote Control Programmer
(for QI-MW-OCC
and QI-PIR-OCC)
BCB-RCOP

Notes: 1. Factory OC sensor settings can be changed w/ (BCB-RCOP) handheld remote programmer accessory. (must be ordered separately)
2. QI-MW-OCC Default setting;
100% sensitivity, 5 min. hold time, Daylight sensor is ON, Dimming level: 30%, Dimming time: 60 minutes
3. QI-PIR-OCC Default setting;
100% sensitivity, 5 min. hold time, Daylight sensor is ON, Dimming level: 30%, Dimming time: 60 minutes

Mounting Kits and Wire Guards

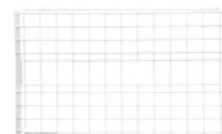
Catalog Part Number	Order Number	Description
☐ CLHB-SMK	70532101	Compact Linear High Bay Surface Mount Kit
☐ CLHB-PMK	70533101	Compact Linear High Bay Pendant Mount Kit
☐ CLHB-WG12	70543101	Compact Linear High Bay Wire Guard for CLHB-1 & CLHB-2
☐ CLHB-WG34	70544101	Compact Linear High Bay Wire Guard (Fits CLHB-3 & CLHB-4)



Surface Mount Kit
CLHB-SMK



Pendant Mount Kit
CLHB-PMK



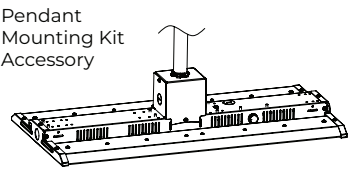
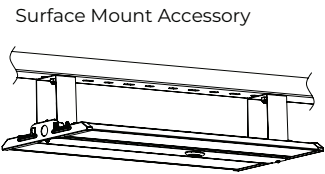
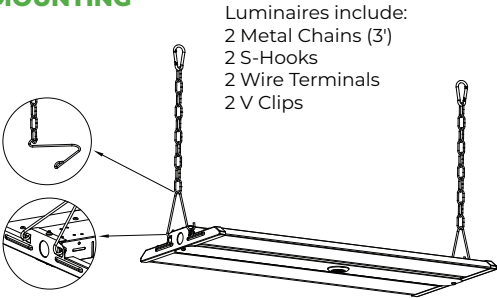
Wire Guard for Lumen
Pkg. Sizes 3&4
CLHB-WG34



Wire Guard for Lumen
Pkg. Sizes 1&2
CLHB-WG12

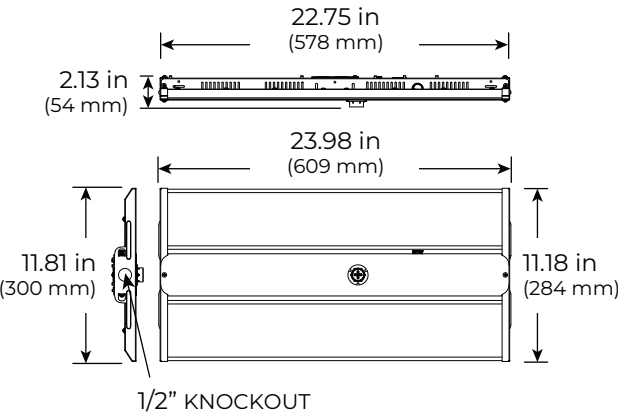
Compact Linear High Bays 3 LUMEN BOOST® | 2 CCT COLOR PREFERENCE®

MOUNTING



DIMENSIONS / DETAILS

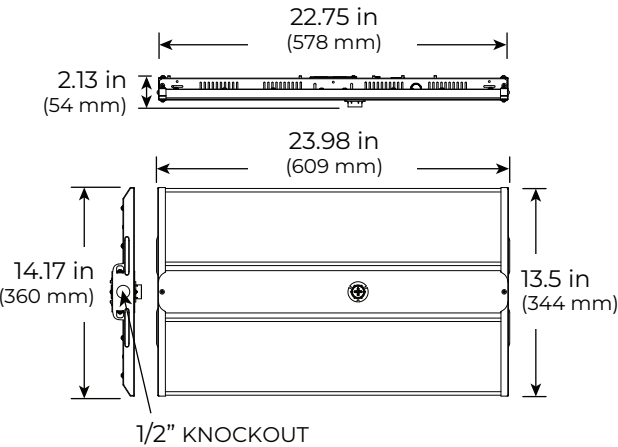
Lumen Pkg. Sizes 1 & 2



Unit Weight

Lumen Pkg. 1: 5.29 lbs
Lumen Pkg. 2: 5.51 lbs

Lumen Pkg. Sizes 3 & 4



Unit Weight

Lumen Pkg. 3: 6.39 lbs
Lumen Pkg. 4: 6.83 lbs

PERFORMANCE / DATA

Lumen Maintenance

Ambient Temp.	TM-21 Lumen Maintenance (54,000 hours)
25° C (77° F)	88.28%
Ambient Temp.	TM-21 Theoretical L70 (hours)
25° C (77° F)	> 50,000

Load Information

Power Factor	.90
THD	< 20%
Frequency	50/60 Hz
Low Temp Start / Max Temp	-30° C (-22° F) / 50° C (122° F)

PHOTOMETRIC SAMPLES

LUMEN PKG 1

IES

CLHB-1-LB3-CP2-MV-LVD, 100W

Luminaire Data

CCT & CRI	5000K, 80CRI minimum
Initial Delivered Lumens	15870
Wattage	113.2W
Efficacy	140
Beam Angle	50% = 87° 10% = 102°
Spacing	0° = 1.24 90° = 1.28

Photometric values based on tests performed in compliance with LM-63 & LM-79

Indoor Candela Plot

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	5375	33.9%
0-40	8737	55.1%
0-60	13761	86.7%
0-90	15870	100%

LUMEN PKG 2

IES

CLHB-2-LB3-CP2-MV-LVD, 165W

Luminaire Data

CCT & CRI	5000K, 80CRI minimum
Initial Delivered Lumens	23589
Wattage	169.6W
Efficacy	139.0
Beam Angle	50% = 87° 10% = 94°
Spacing	0° = 1.24 90° = 1.28

Photometric values based on tests performed in compliance with LM-63 & LM-79

Indoor Candela Plot

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	8004	33.9%
0-40	13008	55.1%
0-60	20469	86.7%
0-90	23589	100%

LUMEN PKG 3

IES

CLHB-3-LB3-CP2-MV-LVD, 220W

Luminaire Data

CCT & CRI	5000K, 80CRI minimum
Initial Delivered Lumens	31695
Wattage	225.1W
Efficacy	141
Beam Angle	50% = 87° 10% = 94°
Spacing	0° = 1.24 90° = 1.28

Photometric values based on tests performed in compliance with LM-63 & LM-79

Indoor Candela Plot

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	11230	35.4%
0-40	18123	57.2%
0-60	27500	86.8%
0-90	31695	100%

LUMEN PKG 4

IES

CLHB-4-LB3-CP2-MV-LVD, 300W

Luminaire Data

CCT & CRI	5000K, 80CRI minimum
Initial Delivered Lumens	42269
Wattage	300.3W
Efficacy	141
Beam Angle	50% = 90° 10% = 159°
Spacing	0° = 1.25 90° = 1.26

Photometric values based on tests performed in compliance with LM-63 & LM-79

Indoor Candela Plot

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	15294	36.2%
0-40	24595	58.2%
0-60	36900	87.3%
0-90	42268	100%