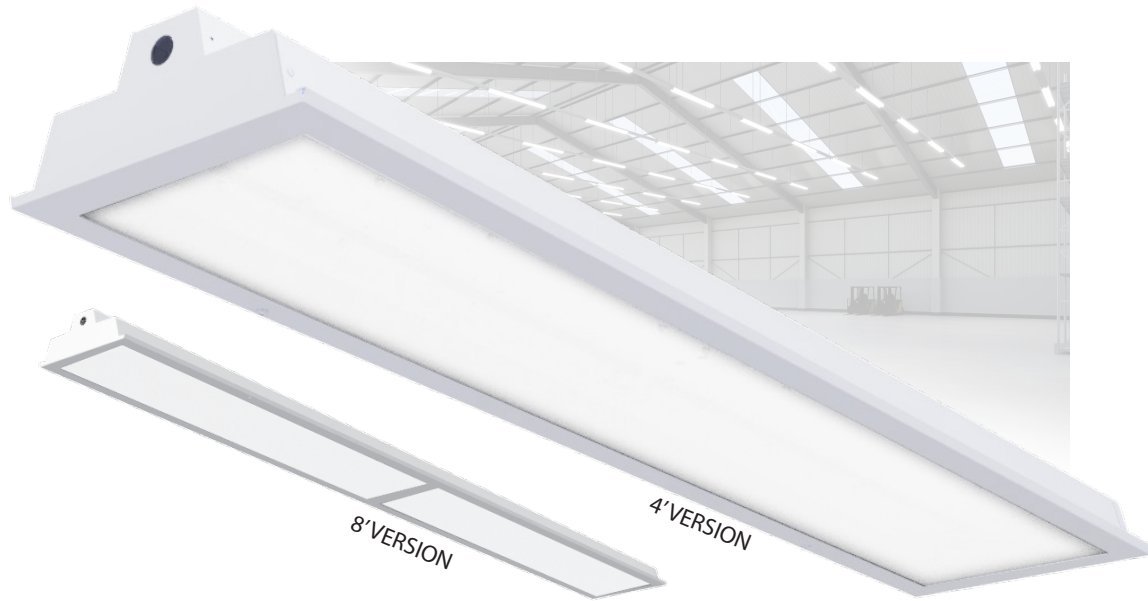


LCHB

COMMERCIAL LED
HIGH BAY



The **LCHB** Series is a specification grade, commercial LED High Bay. It is designed for standard suspended or surface mounted high bay applications. Available in 4' and 8' lengths, and with a wide range of options. This high-bay also has a very high energy efficacy.

APPLICATIONS: The LCHB Series of Commercial High Bays are designed to be high quality, energy efficient LED luminaries for use in commercial applications, offices, government facilities, schools, and public areas.

CONSTRUCTION: The fixture is constructed of a cold rolled steel body. Housing embossed for maximum rigidity. Baked enamel finish in white. This fixture is available in 4' or 8' lengths. Numerous knock-outs for an easy installation.

OPTICAL SYSTEM: Available in narrow or wide beam distributions. Available with white louvers, satin lens, or an open design. Optional Wire-guard is compatible with all lensing and louver options.

ELECTRICAL SYSTEM: Electronic drivers are available for 120/277V applications. Long-life LED system rated for >100K life hours (L70 @ 25°C). LED's available in 3000, 3500, 4000, and 5000K. Metal gear tray for internal LED driver. Complies with federal energy efficiency standards. 0-10V dimming standard.

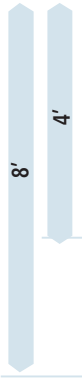
MOUNTING: The fixture can be suspended or surface mounted. Multiple knockouts for easy mounting.

LISTINGS: ETL and cETL Listed. RoHS, BAA and BABA and rated for Damp locations.

WARRANTY: 5-Year Limited Warranty. Complete warranty and terms located at: www.aelnow.com/warranty



ORDERING INFORMATION: Example: LCHB-4-40-16L-W-M-TWB-AC10-WG

SERIES	SIZE	CCT	DELIVERED LUMENS	DISTRIBUTION	VOLTAGE
LCHB	4 4' 8 8'	30 3000K 35 3500K 40 4000K 50 5000K	 4L 4000 Lumens 7L 7000 Lumens 11L 11000 Lumens 12L 12000 Lumens 13L 13000 Lumens 15L 15000 Lumens 16L 16000 Lumens 20L 20000 Lumens 25L 25000 Lumens 32L 32000 Lumen 40L 40000 Lumens XX Custom Lumens	W Wide Distribution N Narrow Distribution	M Multi-Volt (120-277VAC) 347-480 347 Volt-480 Volt

LENS	HANGING /WIRING OPTIONS	DRIVER OPTIONS	OPTIONS
TWB Thin white baffle A19L .156" Prismatic Acrylic #2 SY Symmetric Diffused DR Acrylic <i>More lens options available. Inquire with factory.</i>	FH Fixture Hook FL Fixture Loop SMH Single Monopoint Hanger with hub CP50 Cord Pendant (No Power Feed) 50" CP100 Cord Pendant (No Power Feed) 100" CPPF50 Cord Pendant (Power Feed Capable) 50" CPPF100 Cord Pendant (Power Feed Capable) 100" RPXX Rigid Pendant (Power Feed Capable) (XX") CPY50 Cord Y-Hanger (No Power Feed) 50" CPY100 Cord Y-Hanger (No Power Feed) 100" CPPFY50 Cord Y-Hanger (Power Feed Capable) 50" CPPFY100 Cord Y-Hanger (Power Feed Capable) 100" AC10 Aircraft Cable 10' AC20 Aircraft Cable 20' VH V-Hook Hangers (Supply Own Cable) A PIG OPTION IS REQUIRED FOR CONTINUOUS RUNS, AND FACILITATES A QUICK INSTALLATION: PIG5 PLUG-IN Wiring with 5-wires, 1 Circuit* PIG6 PLUG-IN Wiring with 6-wires, 2 Circuits** PIG7 PLUG-IN Wiring with 7-wires, 3 Circuits** <i>*Dimming wire included on all PIG options. **If more than one NEUTRAL is required for multi-circuit installations, please contact factory.</i>	BLANK 0-10V 1% Dimming Driver (included standard) CD5 0-10V 5% to Off Dimming Driver EDN Electronic Driver Non-Dimming DALI Fifth light Dali Dimming Driver	12EBL 1200 Lumen Emergency Ballast BGT Bodine Generator Transfer Relay ETR Emergency Transfer Relay with dimming control) OCC Occupancy Sensor WG Wire Guard A/B Two Circuit A/B Switching 90 90 CRI CR Continuous Run <i>Additional options available. Inquire with factory.</i>

Dimensions on Next Page

ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC (PLUS OPTIONS)S
SYSTEM INPUT POWER:	26.2 - 262.2 WATTS*
DELIVERED LUMEN OUTPUT:	4000 - 40000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	3000, 3500, 4000, 5000 KELVIN
CRI:	80 (MINIMUM)
LIFE TIME RATING:	>100,000 HRS @ L70
INPUT FREQUENCY:	50/60 HZ
POWER FACTOR:	>0.9
OPERATING TEMP:	-30° TO 50° C

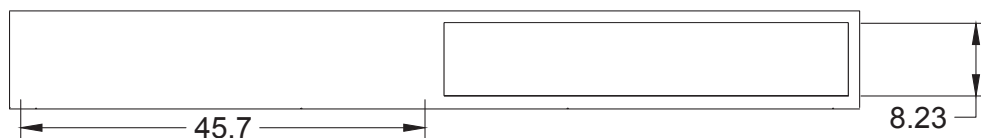
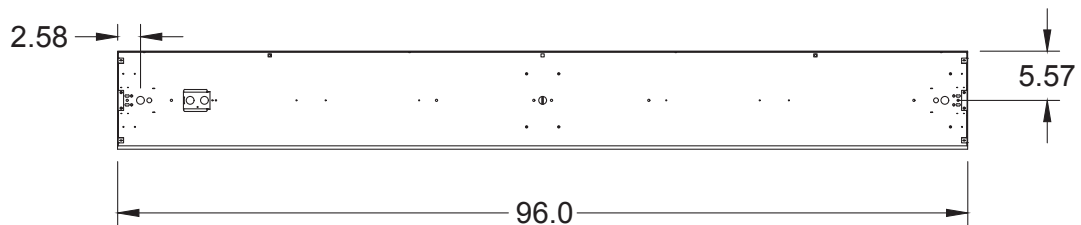
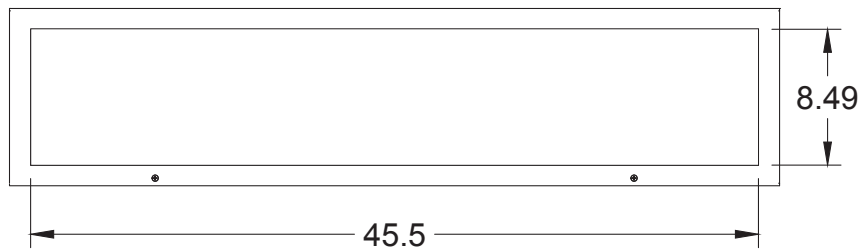
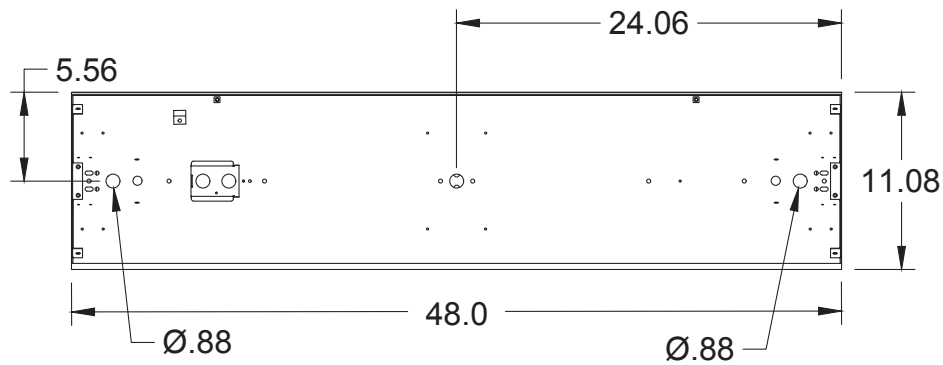
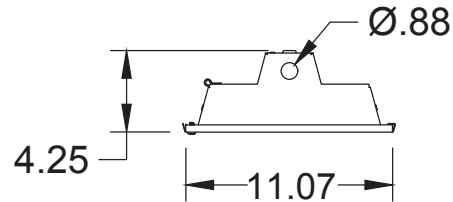
*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

APPROXIMATE COLOR TEMPERATURE MULTIPLIER

5000K	X	1.03
4000K	X	1
3500K	X	.97
3000K	X	.94
2700K	X	.91

OUTPUT	DELIVERED LUMENS	WATTS	L70 @20C (HRS)
4L	4000 LUMENS	26.2	>100K
7L	7000 LUMENS	45.8	>100K
11L	11000 LUMENS	72.1	>100K
12L	12000 LUMENS	78.7	>100K
13L	13000 LUMENS	85.2	>100K
15L	15000 LUMENS	98.3	>100K
16L	16000 LUMENS	104.9	>100K
20L	20000 LUMENS	131.1	>100K
25L	25000 LUMENS	163.8	>100K
32L	32000 LUMENS	209.7	>100K
40L	40000 LUMENS	262.2	>100K

FIXTURE DIMENSIONS



Photometric Examples on Next ►

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

LIGHT LABS
n/a, n/a - n/a
12/13/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

16
73 - 2.50°
98.3 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

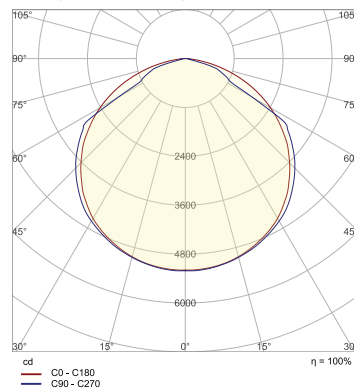
LCHB 4' 4000K STANDARD HIGH OUTPUT SATIN LEI
PANEL
ADVANTAGE ENVIRONMENTAL LIGHTING

Main Light Measurement Results

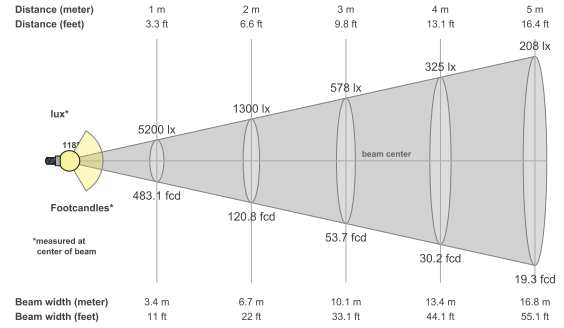
Output - Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

15 klm - -1% / 100%
152.6 lm/W
5212 cd
4000 K
CRI 85.0

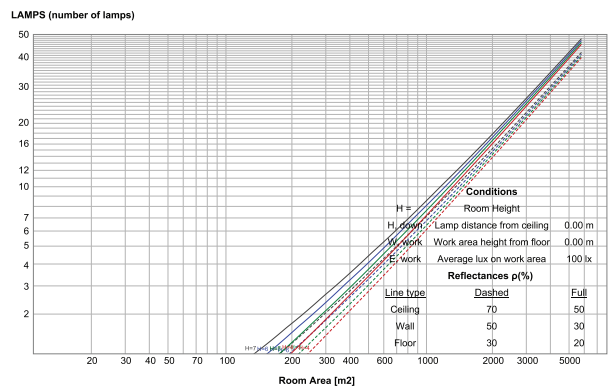
Polar light distribution diagram



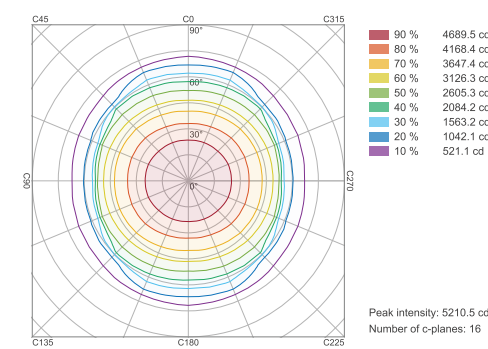
Beam details



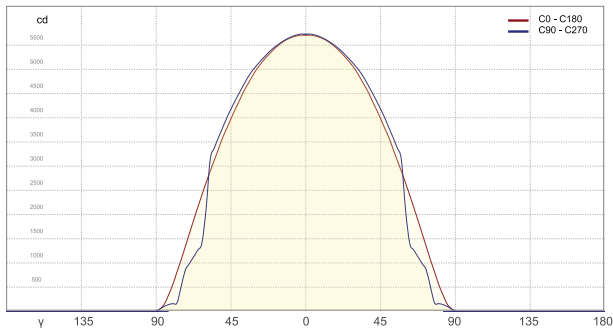
Luminaire budgetary diagram



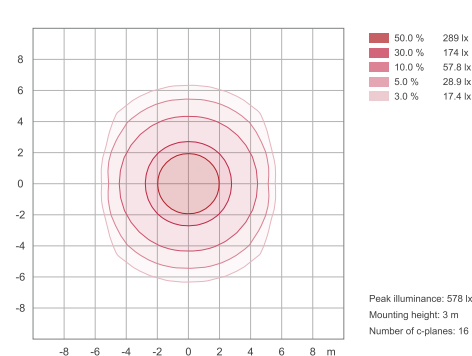
Iso-intensity Diagram (Iso-candela)



Linear intensity distribution diagram



Iso-illuminance Diagram (Iso-lux)



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B3 U0 G1

