BAYLIGHTER®
EBY450
LED

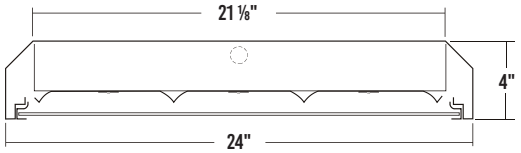
24" Wide Enclosed High Bay Luminaire

JOB	
TYPE	
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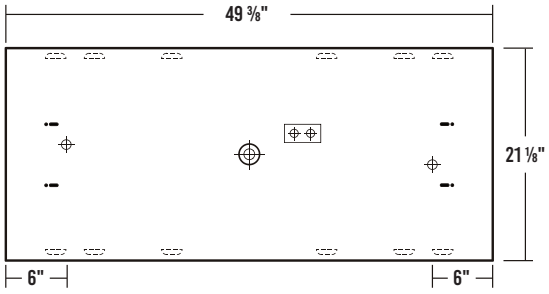
Commercial / Industrial / Warehouse



CROSS SECTION



BACKPLATE



Access Plate
2" KO
V-Hook Hole
7/8" Offset KO

SPECIFICATIONS

Construction
- 22 gauge cold-rolled steel welded housing with louvered vents for heat removal
- 20 gauge cold-rolled steel door frame secured by T-hinges and spring-loaded latches
- One-way polyurethane gasket

Finish
- Pre-painted housing
- Baked white polyester finish
- Minimum reflectance 86%

Optical
- Clear prismatic acrylic lens

Electrical
- High-efficiency drivers coupled with long-life LEDs
- Service life tested at 148,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

Listing
- UL USA and Canada listed / suitable for damp locations

Warranty
- 5-Year limited warranty standard. 10-Year limited warranty also available

APPLICATIONS

- Commercial, Industrial, Warehouse

FEATURES

- High (HT) Ambient temperature version available for extreme temperature ranges
- 0-10V dimming driver standard (other dimming types available)
- Supports California Title 24 compliance
- Safety cables attached to door frame and LED gear tray

OPTIONS

- Range of lumen packages and color temperatures
- Sensors and controls
- Lens options
- 11 gauge wire guard available
- Emergency battery pack
- 10 kV surge protector
- Cable suspension systems
- Customization available upon request

Los Angeles Lighting Mfg. Co.
Contact Us
T: 626-454-8300
F: 626-454-8399
www.lalighting.com
10141 Olney Street
El Monte, CA 91731
Made in the USA

ROHS COMPLIANT
CERTIFIED

Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice.
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ORDERING INFORMATION

Visit www.lalighting.com/resources for additional options.

EXAMPLE: EBY450-42-4L-PA2-BPL1.5-DRDM-UNV-3/850HT

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT	AMBIENT TEMP.
EBY450	**42**	**4L**						**3**		**HT**
EBY450 • 24" Wide Enclosed High Bay Luminaire	**42** - 42000 lm	**4L** • 4'	**PA** • Clear Prismatic Acrylic **PA2** • Clear Prismatic Acrylic 0.125" **FPA2** • Frosted Prismatic Acrylic 0.125" **XX** • No Door/ Lens Assembly	**GSKNx** • Neoprene Gasket *Leave blank for standard 1-way polyurethane gasket **PAF** • Painted After Fabrication *Leave blank if not specified	**BPL1.5** • 1500 lm emergency battery pack **BPL3.0** • 3000 lm Emergency Battery Pack **SP10** • 10 kV Surge Protector **MS(xx)** • Motion Sensor *Leave blank if not specified	**DRDM** • 0-10V Dimming Driver	**UNV** • 120V-277V **120V** • 120 Volt **277V** • 277 Volt	**3** • Three LED Rows	**827** • 80+CRI / 2700K **830** • 80+CRI / 3000K **835** • 80+CRI / 3500K **840** • 80+CRI / 4000K **850** • 80+CRI / 5000K **865** • 80+CRI / 6500K **90CRI Also available** Contact customer service for additional CRI/CCT packages.	**HT** • High Ambient Temp.

Most common options for EBY450 shown above. For additional options, including lumen packages, controls, lenses, colors/finishes, cord & plug, switches, and more, visit www.lalighting.com/resources or contact customer service.

OPTICAL OPTIONS

STANDARD LENSES FOR EBY450

PA	Clear Prismatic Acrylic, No Thickness Specified, Female Prisms 3/16" Square Base
PA2	Clear Prismatic Acrylic, Nom. 0.125" OA Thickness, Female Prisms 3/16" Square Base
FPA2	Frosted Prismatic Acrylic, Nom. 0.125" OA Thickness, Female Prisms 3/16" Square Base
XX	No Door/Lens Assembly

ACCESSORIES

Wire Guard

WG11-EBY450-4

- Shipped separately from luminaire, must be installed on-site
- All necessary hardware included (zinc finish)
- Chrome epoxy powder coat standard. Custom colors also available (contact Customer Service).

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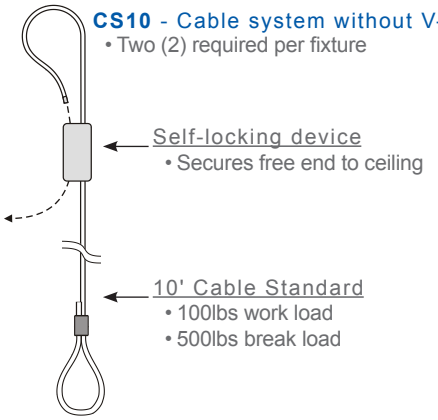
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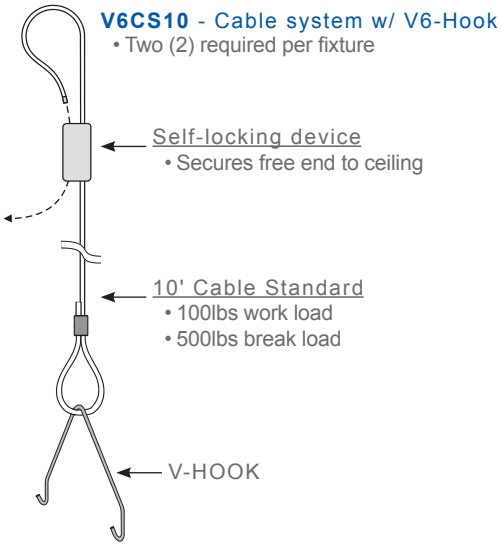
MOUNTING HARDWARE

Mounting accessories are ordered separately from luminaire

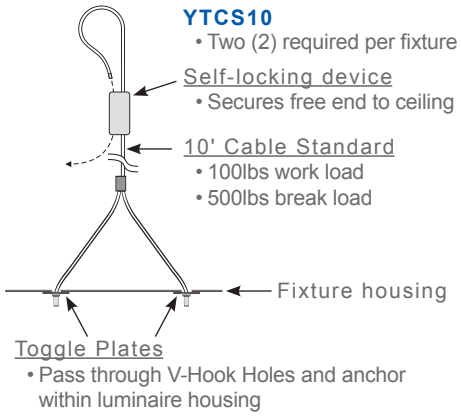
CABLE SUSPENSION SYSTEM



V-HOOK / CABLE SUSPENSION SYSTEMS

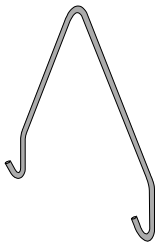


Y-TOGGLE-END / CABLE SUSPENSION SYSTEM



V-HOOK

V6 - 6" Leg Height
- Hooks attach to V-Hook Holes on luminaire or chain mount coupling tabs
- Two (2) required per luminaire



SYSTEM DATA: Additional Lumen Packages Available. Contact Customer Service for More Information

High Ambient Temp

4' LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
42000 Lumens (Nominal)	EBY450-42-4L-XX-DRDM-UNV-3/850HT	42080	259.5	162.1 lm/W	-30°C / 50°C (-22°F / 122°F)	10x F54T5HO	*
42000 Lumens (Nominal)	EBY450-42-4L-PA-DRDM-UNV-3/850HT	35741	259.5	137.7 lm/W	-30°C / 50°C (-22°F / 122°F)	10x F54T5HO	*

NOTE:
System data as of 9/4/25 (K-Boards when applicable).
*Luminaire efficiency: **4ft** - (XX no lens) 99.2%, (PA lens) 84.2%*
Subject to change without notice.

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application. This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.

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