



BAYLIGHTER®

EBY450 SERIES

High Bay Luminaire



- High Bay Luminaire
- Quarter Turn Rotary Locking Sockets
- Frame & Lens Assembly With Safety Cables
- Removable Wiring Access Plate
- Surface, Cable or Chain Mountable
- Available with:
 - Fluorescent, LED and LED T8 (Internally Driven)
 - .040 Aluminum Fixture Housing
 - 95% Enhanced Specular Aluminum Reflectors
 - Variety of Lenses
 - Emergency Battery Pack
 - Sensor
 - 11ga. Wire Guard



Photometric Data and IES Files are Available on www.lalighting.com

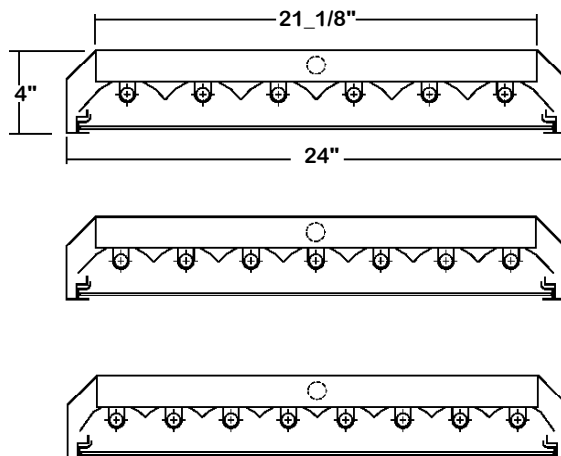


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www.lalighting.com



EBY450 SERIES

CROSS SECTION



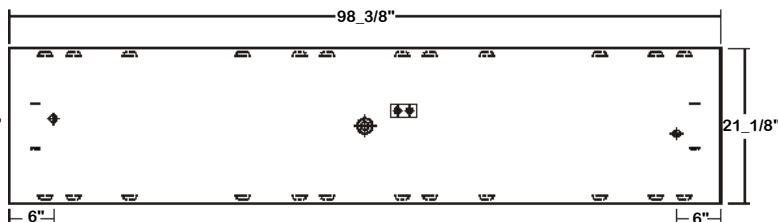
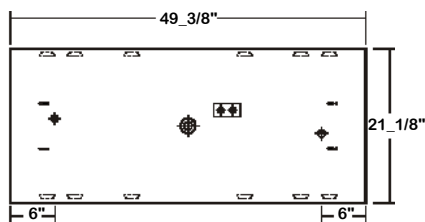
● ALUMINUM REFLECTOR SECURED WITH QUARTER TURN FASTENERS FOR EASE OF MAINTENANCE.

CATALOG NUMBER

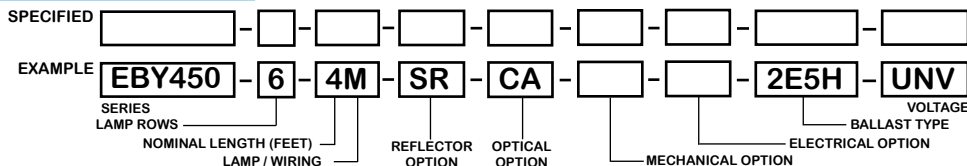
	NOMINAL LENGTH	TOTAL LAMPS		NOMINAL LENGTH	TOTAL LAMPS
EBY450-6-4M	4'	6	EBY450-6-4R	4'	6
EBY450-7-4M	4'	7	EBY450-7-4R	4'	7
EBY450-8-4M	4'	8	EBY450-8-4R	4'	8
EBY450-6-8MT	8'	12	EBY450-6-8RT	8'	12
EBY450-7-8MT	8'	14	EBY450-7-8RT	8'	14
EBY450-8-8MT	8'	16	EBY450-8-8RT	8'	16

BACK PLATE

- V-HOOK
- ⊕ ACCESS PLATE
- ⊕ 7/8" OFFSET K.O.
- ⊕ 2" K.O.



ORDERING GUIDE



NOTE: LAMP/WIRING*

M= Miniature Bi-Pin T5
 R = Medium Bi-Pin T8
 MT= Miniature Bi-Pin T5, Tandem Wiring
 RT = Medium Bi-Pin T8, Tandem Wiring

OPTIONS AND ACCESSORIES

REFLECTOR OPTIONS

- Specular Aluminum Reflector (95%)
- White Reflector

SUFFIX
SR
WR

OPTICAL OPTIONS

- Clear Acrylic
- Clear Prismatic Acrylic
- Polycarbonate Lenses
- High Impact Acrylic
- * Other Lens Available Upon Request

SUFFIX
CA
PA
*

MECHANICAL OPTIONS

- Gasketing

SUFFIX
GSK*

ELECTRICAL OPTIONS

- Emergency Battery Pack
- External Line Fusing (HLR/GLR)
- Motion Sensor

SUFFIX
BP*
ELF
MS

BALLAST OPTIONS*

- Electronic T5
- Electronic T5HO
- Electronic T8 Instant Start
- Electronic T8 Rapid Start
- Electronic T8HO
- x = Number of Lamps per Ballast

SUFFIX
xE5
xE5H
xE8I
xE8R
xE8H

ACCESSORIES

- Wire Guard - 11 Ga.
- Fixture Suspension System
- Ceiling Spacer
- 6" Leg Height V-Hook

CAT.NO.
WG11-EBY450
*
*
V6

*Refer to www.lalighting.com/resources for more information

SPECIFICATIONS

- TYPE
- CONSTRUCTION
- FINISH
- REFLECTOR
- DOOR FRAME
- OPTICS
- WIRE GUARDS
- WIRING
- LABELS

High bay luminaire for surface or chain mounting. Must be spaced a minimum of 1 1/2" from ceiling when surface mounted.

22 gauge cold rolled steel housing with louvered vents on top for heat removal.

Quarter turn rotary locking lampholders standard. (20 ga. C.R.S. and .040 aluminum housing available as specified)

Baked white polyester finish, minimum reflectance 86%. (Powder coated finish available.)

Specular aluminum reflector standard, 95% reflectance. (White reflector available)

20 ga. cold rolled steel door frame. T-hinges and positive spring loaded latches. Safety cables attached.

Clear acrylic lens standard. Extensive variety of lenses, diffusers and louvers available.

11 ga. powder coated.

120v 60Hz., 277v 60Hz., UNV (universal voltage 120v thru 277v.) or as otherwise specified.

Multiple levels of switching available as specified.

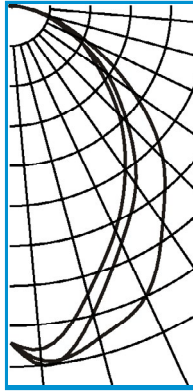
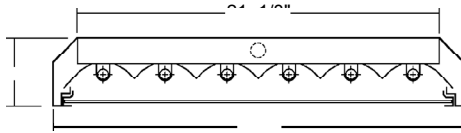
U.L. Listed. Suitable for damp locations.



PHOTOMETRIC DATA

EBY450-6-4M-SR-CA-E5H

TEST NO.=LA-T0912
 LAMP TYPE=F54T5HO
 NO. OF LAMP=6
 LUMENS PER LAMP=5000
 WATTS PER LAMP=54
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	11560	11560	11560
5	12184	12345	11805
15	11765	10885	10185
25	10940	8935	8458
35	9020	7421	6789
45	7297	5579	5184
55	5054	3954	3575
65	2810	2323	2484
75	1209	1130	1323
85	176	209	198
90	4	2	5
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	8569	28.6	33.5
0-40	13383	44.6	52.3
0-60	21669	72.2	84.8
0-90	25565	85.2	100.0
90-120	1	0.0	0
90-150	1	0.0	0
90-180	1	0.0	0
0-180	25566	85.2	100.0

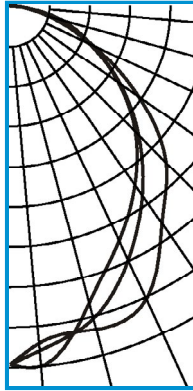
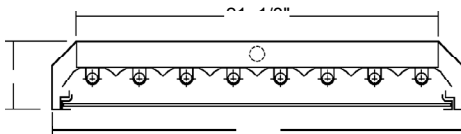
Lumen Output = 25566 lumens
 Luminaire Efficiency = 85.2%

SPACING CRITERION

ALONG	ACROSS
1.26	1.01

EBY450-8-4M-SR-CA-E5H

TEST NO.=LA-T1441
 LAMP TYPE=F54T5HO
 NO. OF LAMP=8
 LUMENS PER LAMP=5000
 WATTS PER LAMP=54
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	14642	14642	14642
5	13829	14136	14775
15	13685	13202	12512
25	13181	11405	10540
35	10785	9395	8866
45	8980	7382	7196
55	6350	5437	5350
65	3687	3517	3602
75	1516	1736	2120
85	267	369	386
90	3	3	4
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	10472	26.2	31.4
0-40	16509	41.3	49.6
0-60	27562	68.9	82.7
0-90	33309	83.3	100.0
90-120	1	0.0	0
90-150	1	0.0	0
90-180	1	0.0	0
0-180	33309	83.3	100.0

Lumen Output = 33309 lumens
 Luminaire Efficiency = 83.3%

SPACING CRITERION

ALONG	ACROSS
1.20	1.00

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