



# BAYLIGHTER™

## EBY400 SERIES

### High Bay Luminaire



- High Bay Luminaire
- Quarter Turn Rotary Locking Sockets
- Removable Wiring Access Plate
- Surface, Cable or Chain Mountable
- Suitable for Damp Locations
- Available with:
  - Fluorescent, LED and LED T8 (Internally Driven)
  - .040 Aluminum Fixture Housing
  - 95% Enhanced Specular Aluminum Reflectors
  - Emergency Battery Pack
  - Sensor
  - 11ga. Wire Guard



Photometric Data and IES Files are Available on [www.lalighting.com](http://www.lalighting.com)



**LOS ANGELES LIGHTING MFG. CO.**

10141 OLNEY ST. / EL MONTE, CA 91731

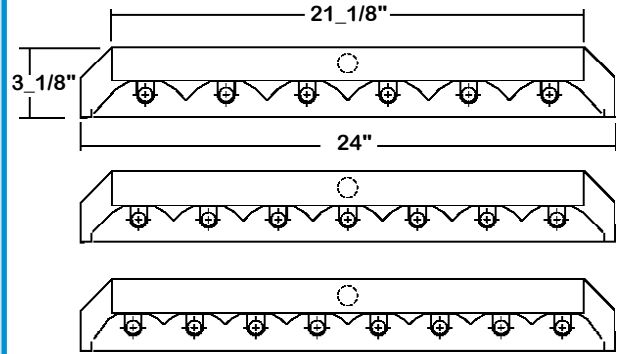
TEL : 626-454-8300 FAX : 626-454-8399

[www.lalighting.com](http://www.lalighting.com)



# EBY400 SERIES

## CROSS SECTION

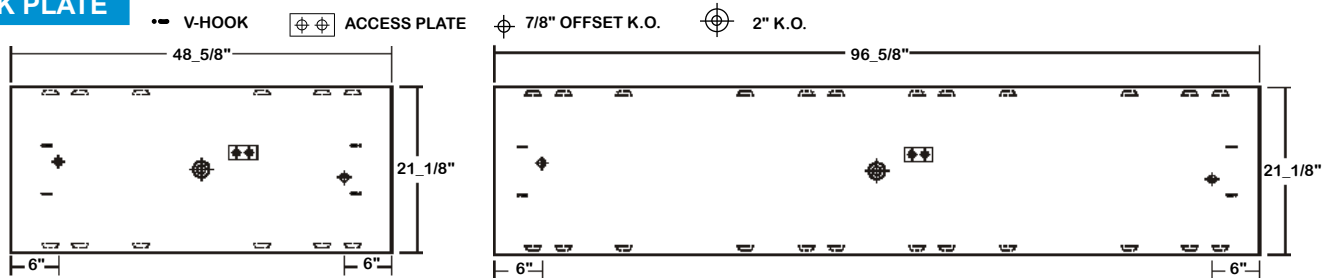


● ALUMINUM REFLECTOR SECURED WITH QUARTER TURN FASTENERS FOR EASE OF MAINTENANCE.

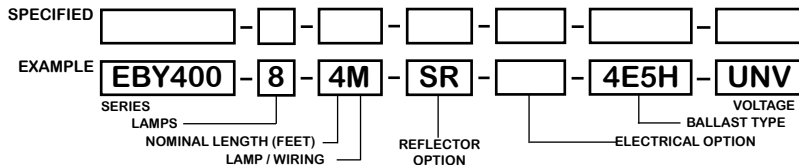
## CATALOG NUMBER

	NOMINAL LENGTH	TOTAL LAMPS		NOMINAL LENGTH	TOTAL LAMPS
EBY400-6-4M	4'	6	EBY400-6-4R	4'	6
EBY400-7-4M	4'	7	EBY400-7-4R	4'	7
EBY400-8-4M	4'	8	EBY400-8-4R	4'	8
EBY400-6-8MT	8'	12	EBY400-6-8RT	8'	12
EBY400-7-8MT	8'	14	EBY400-7-8RT	8'	14
EBY400-8-8MT	8'	16	EBY400-8-8RT	8'	16

## BACK PLATE



## 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	SUFFIX	● BALLAST OPTIONS	SUFFIX	● ACCESSORIES	CAT.NO.
Specular Aluminum Reflector (95%)	SR	Electronic T5	E5*	Wire Guard - 11 Ga.	WG11-EBY400
White Aluminum Reflector (90%)	WR	Electronic T5HO	E5H	Fixture Suspension System	*
● ELECTRICAL OPTIONS	SUFFIX	Electronic Step Dimming T5HO	ESDM5H	Ceiling Spacer	*
Emergency Battery Pack	BP*	Electronic T8	E8*	6" Leg Height V-Hook	V6
External Line Fusing (HLR/GLR)	ELF	Electronic Step Dimming T8	ESDM8*		
Radio Interference Filters	RIF				
Motion Sensor	MS				

\*See appropriate reference page

## SPECIFICATIONS

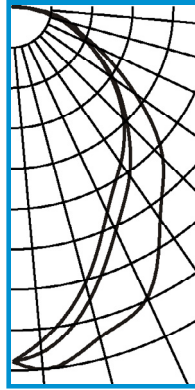
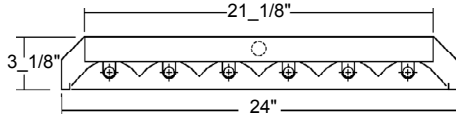
- **TYPE** High bay open light luminaire for surface, cable or chain mounting. Must be spaced a minimum of 1 1/2" from ceiling when surface mounted.
- **CONSTRUCTION** 22 gauge cold rolled steel housing with louvered vents on top for heat removal. Quarter turn rotary locking lampholders standard. (20 ga. C.R.S. and .040 aluminum housing available as specified) Baked white polyester finish, minimum reflectance 86%. (Powder coated finish available.)
- **FINISH** Specular aluminum reflector standard, 95% reflectance. (White aluminum reflector available)
- **REFLECTOR** 11 ga. Chrome epoxy powder coated.
- **WIRE GUARDS** 120v 60Hz., 277v 60Hz., UNV (universal voltage 120v thru 277v.) or as otherwise specified.
- **WIRING** Multiple levels of switching available as specified.
- **LABELS** U.L. Listed. Suitable for damp locations.



**PHOTOMETRIC DATA**

**EBY400-6-4M-SR-E5H**

TEST NO.=LA-T0909  
 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	13032	13032	13032
5	13356	12721	12307
15	12519	11043	10413
25	11716	8969	8209
35	9392	7459	6904
45	7738	5872	5706
55	5399	4433	4314
65	3306	2939	3006
75	1776	1820	2107
85	464	694	693
90	15	15	20
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	8793	29.3	31.1
0-40	13695	45.6	48.4
0-60	22739	75.8	80.4
0-90	28277	94.3	100.0
90-120	4	0.0	0
90-150	4	0.0	0
90-180	4	0.0	0
0-180	28282	94.3	100.0

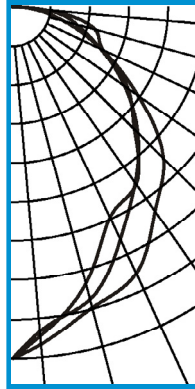
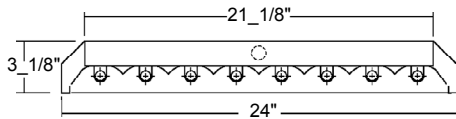
Lumen Output = 28282 lumens  
 Luminaire Efficiency = 94.3%

**SPACING CRITERION**

ALONG	ACROSS
1.19	0.87

**EBY400-8-4M-SR-E5H**

TEST NO.=LA-T0961  
 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	15701	15701	15701
5	15102	14501	14713
15	13886	13512	12764
25	13125	11422	10337
35	11097	9556	9648
45	9524	7898	7677
55	6795	6083	6279
65	4356	4317	4439
75	2355	2954	3810
85	775	1436	1542
90	41	55	54
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	10572	26.4	28.2
0-40	16831	42.1	44.9
0-60	28881	72.2	77.0
0-90	37472	93.7	100.0
90-120	14	0.0	0
90-150	14	0.0	0
90-180	14	0.0	0
0-180	37486	93.7	100.0

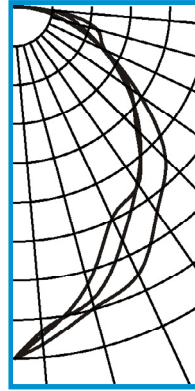
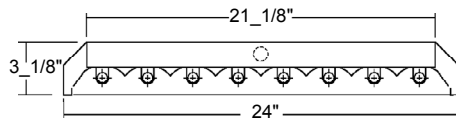
Lumen Output = 37486 lumens  
 Luminaire Efficiency = 93.7%

**SPACING CRITERION**

ALONG	ACROSS
1.15	0.91

**EBY400-6-4R-SR-E8**

TEST NO.=LA-T0936  
 LAMP TYPE=F36T8  
 NO. OF LAMP=6  
 LUMENS PER LAMP=2900  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	6761	6761	6761
5	6911	6933	6958
15	6493	6346	6067
25	6314	5309	4772
35	5301	4203	3735
45	4347	3142	2898
55	3141	2333	2261
65	1892	1659	2003
75	1007	1294	1677
85	353	620	667
90	24	34	40
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	4962	28.5	30.5
0-40	7701	44.3	47.4
0-60	12579	72.3	77.4
0-90	16234	93.3	99.9
90-120	9	0.1	0.1
90-150	9	0.1	0.1
90-180	9	0.1	0.1
0-180	16243	93.4	100.0

Lumen Output = 16242 lumens  
 Luminaire Efficiency = 93.4%

**SPACING CRITERION**

ALONG	ACROSS
1.26	0.98

This space is intentionally left blank.

