



BAYLIGHTER™

EBY301 SERIES

High Bay Luminaire



- High Bay Luminaire Up-Light
- Quarter Turn Rotary Locking Sockets
- 95% Enhanced Specular Aluminum Reflectors
- Removable Wiring Access Plate
- Surface, Cable or Chain Mountable
- Suitable for Damp Locations
- Available with:
 - .040 Aluminum Fixture Housing
 - 90% White Aluminum Reflectors
 - Emergency Battery Pack
 - Sensor
 - 11ga. Wire Guard



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



LOS ANGELES LIGHTING MFG. CO.

10141 OLNEY ST. / EL MONTE, CA 91731

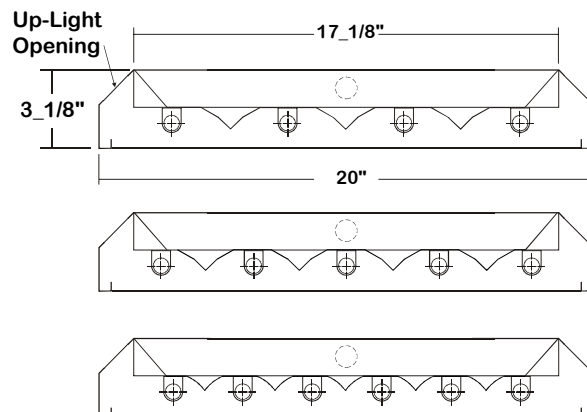
TEL : 626-454-8300 FAX : 626-454-8399

www.lalighting.com



EBY301 SERIES

CROSS SECTION



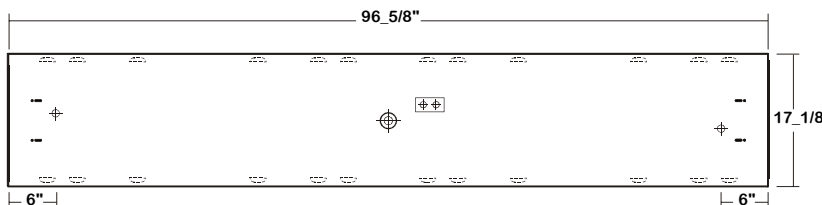
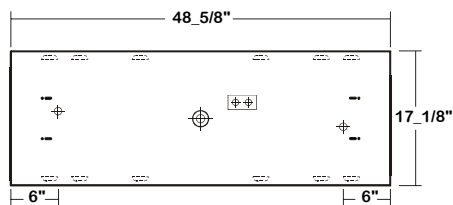
● ALUMINUM REFLECTOR SECURED WITH QUARTER TURN FASTENERS FOR EASE OF MAINTENANCE.

CATALOG NUMBER

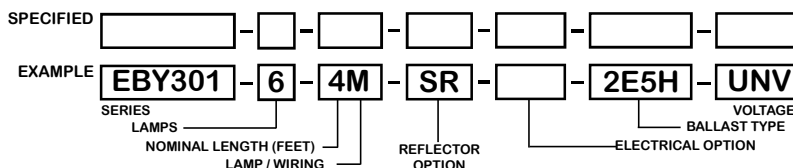
	NOMINAL LENGTH	TOTAL LAMPS		NOMINAL LENGTH	TOTAL LAMPS
EBY301-4-4M	4'	4	EBY301-4-4R	4'	4
EBY301-5-4M	4'	5	EBY301-5-4R	4'	5
EBY301-6-4M	4'	6	EBY301-6-4R	4'	6
EBY301-4-8MT	8'	8	EBY301-4-8RT	8'	8
EBY301-5-8MT	8'	10	EBY301-5-8RT	8'	10
EBY301-6-8MT	8'	12	EBY301-6-8RT	8'	12

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 Aluminum Reflector (90%)

SUFFIX

- SR
- WR

ELECTRICAL OPTIONS

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

SUFFIX

- BP*
- ELF
- RIF
- MS

BALLAST OPTIONS

- Electronic T5
- Electronic T5HO
- Electronic Step Dimming T5HO
- Electronic T8
- Electronic Step Dimming T8

SUFFIX

- E5*
- E5H
- ESDM5H
- E8*
- ESDM8*

ACCESSORIES

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

CAT.NO.

- WG11-EBY301
- *
- *
- V6

*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)

FINISH

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

REFLECTOR

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

UP LIGHT

10% up-light opening standard.

WIRE GUARDS

11 ga. Chrome epoxy powder coated.

WIRING

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

LABELS

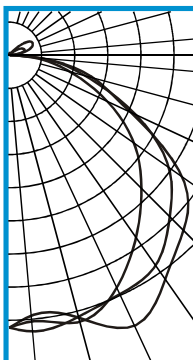
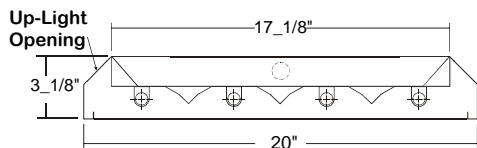
Multiple levels of switching available as specified. U.L. Listed. Suitable for damp locations.



PHOTOMETRIC DATA

EBY301-4-4M-SR-E5H

TEST NO.=LA-T1414
 LAMP TYPE=F54T5HO
 NO. OF LAMP=4
 LUMENS PER LAMP=5000
 WATTS PER LAMP=54
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	4895	4896	4895
5	4800	4982	4693
15	4957	4858	4888
25	4592	4731	5359
35	3980	4599	4898
45	3361	4084	4434
55	2732	3496	3786
65	1931	2492	2387
75	1116	1396	1558
85	393	541	530
90	15	9	5
95	42	61	29
105	34	274	348
115	12	275	465
125	17	180	428
135	33	37	195
145	28	25	17
155	28	36	30
165	35	39	44
175	38	20	27
180	37	37	37

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	4097	20.5	22.7
0-40	6936	34.7	38.4
0-60	13056	65.3	72.3
0-90	17223	86.1	95.4
90-120	543	2.7	3.0
90-150	797	4.0	4.4
90-180	826	4.1	4.6
0-180	18048	90.2	100.0

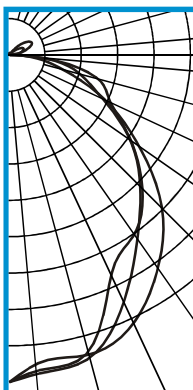
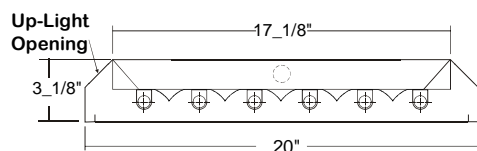
Lumen Output = 18048 lumens
 Luminaire Efficiency = 90.2%

SPACING CRITERION

ALONG	ACROSS
1.29	1.51

EBY301-6-4M-SR-E5H

TEST NO.=LA-T1418
 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	9760	9760	9760
5	9255	9553	9458
15	9249	9336	9147
25	8803	8095	7204
35	7729	6667	6512
45	6428	5510	5606
55	4702	4385	4408
65	3123	3048	3321
75	1614	2168	2721
85	590	946	942
90	29	18	10
95	66	111	73
105	53	391	260
115	20	464	736
125	31	300	688
135	41	106	378
145	44	37	66
155	44	51	39
165	37	44	66
175	39	43	33
180	30	30	30

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	7257	24.2	26.4
0-40	11588	38.6	42.1
0-60	20062	66.9	73.0
0-90	26172	87.2	95.2
90-120	839	2.8	3.1
90-150	1286	4.3	4.7
90-180	1325	4.4	4.8
0-180	27496	91.7	100.0

Lumen Output = 27496 lumens
 Luminaire Efficiency = 91.7%

SPACING CRITERION

ALONG	ACROSS
1.25	1.04

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