



# BAYLIGHTER™

## ALI100 SERIES High Rack Aisle Luminaire



- High Rack Aisle Luminaire
- 1 or 2 Lamps
- Quarter Turn Rotary Locking Sockets
- 90% White Aluminum Reflectors
- Stem, Cable, Chain or Row Mountable
- Suitable for Damp Locations
- Available with:
  - Fluorescent, LED and LED T8 (Internally Driven)
  - 14ga. Wire Guard
  - 95% Enhanced Specular Aluminum Reflectors
  - Emergency Battery Pack



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

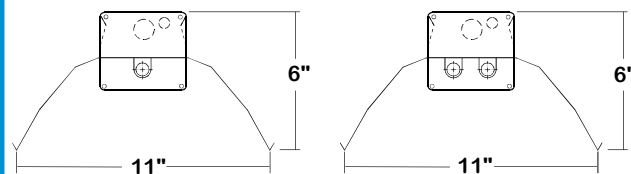


**LOS ANGELES LIGHTING MFG. CO.**  
 10141 OLNEY ST. / EL MONTE, CA 91731  
**TEL : 626-454-8300 FAX : 626-454-8399**  
[www.lalighting.com](http://www.lalighting.com)

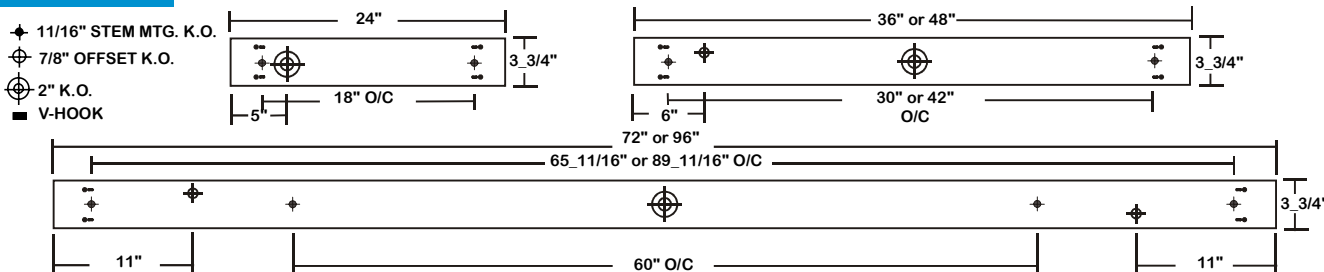


# ALI100 SERIES

## CROSS SECTION



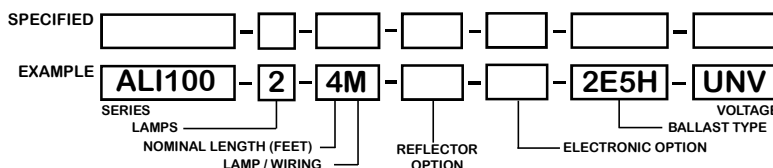
## BACK PLATE



## CATALOG NUMBER

	NOMINAL LENGTH	TOTAL LAMPS		NOMINAL LENGTH	TOTAL LAMPS		NOMINAL LENGTH	TOTAL LAMPS		NOMINAL LENGTH	TOTAL LAMPS
ALI100-1-2M	2'	1	ALI100-1-2R	2'	1	ALI100-2-2M	2'	2	ALI100-2-2R	2'	2
ALI100-1-3M	3'	1	ALI100-1-3R	3'	1	ALI100-2-3M	3'	2	ALI100-2-3R	3'	2
ALI100-1-4M	4'	1	ALI100-1-4R	4'	1	ALI100-2-4M	4'	2	ALI100-2-4R	4'	2
ALI100-1-6MT	6'	2	ALI100-1-6RT	6'	2	ALI100-2-6MT	6'	4	ALI100-2-6RT	6'	4
ALI100-1-8MT	8'	2	ALI100-1-8RT	8'	2	ALI100-2-8MT	8'	4	ALI100-2-8RT	8'	4

## ORDERING GUIDE



**NOTE: LAMP/WIRING\*** M= Miniature Bi-Pin T5 MT= Miniature Bi-Pin T5, Tandem Wiring  
 R = Medium Bi-Pin T8 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 - 14 Ga.	WG14-ALI100
White Aluminum Reflector (90%)	WR	Electronic T5HO	E5H	Ceiling Spacer	*
		Electronic Step Dimming T5HO	ESDM5H	4" Leg Height V-Hook	V4
		Electronic T8	E8*	Chain Mount Coupling	CMC-240
		Electronic Step Dimming T8	ESDM8*		
● ELECTRICAL OPTIONS	SUFFIX				
Emergency Battery Pack	BP*				
External Line Fusing (HLR/GLR)	ELF				
Plug-In Branch Wiring Connector System	PBW*				

\*See appropriate reference page

## SPECIFICATIONS

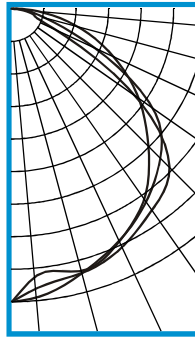
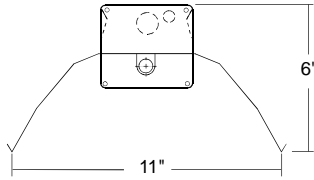
● TYPE	Open lamp one-light or two-light high rack aisle luminaire.
● CONSTRUCTION	22 ga. cold rolled steel housing. (20 ga. housing available as specified.) End plates are fastened to housing by sheet metal screws.
● FINISH	Baked white polyester finish, minimum reflectance 86%. (Powder coated finish available.)
● REFLECTOR	White aluminum reflector standard, 90% reflectance. Enhanced aluminum reflector, 95% reflectance available.
● WIRE GUARDS	14 Ga. Chrome epoxy powder coated.
● WIRING	120v 60Hz., 277v 60Hz., UNV (universal voltage 120v thru 277v.) or as otherwise specified.
● LABELS	U.L. Listed. Suitable for damp locations.



**PHOTOMETRIC DATA**

**ALI100-1-4M-WR-E5H**

TEST NO.=LA-T0735  
 LAMP TYPE=F54T5HO  
 NO. OF LAMP=1  
 LUMENS PER LAMP=5000  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	1559	1559	1559
5	1431	1542	1494
15	1443	1454	1454
25	1362	1359	1397
35	1232	1250	1304
45	1029	1119	1187
55	823	913	794
65	595	480	242
75	363	180	121
85	135	74	42
90	55	27	4
95	16	13	1
105	2	6	1
115	0	2	1
125	0	1	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	1189	23.8	27.1
0-40	1980	39.6	45.2
0-60	3614	72.3	82.5
0-90	4357	87.1	99.5
90-120	22	0.4	0.5
90-150	22	0.4	0.5
90-180	22	0.4	0.5
0-180	4379	87.6	100.0

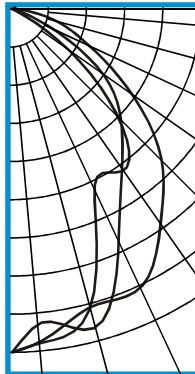
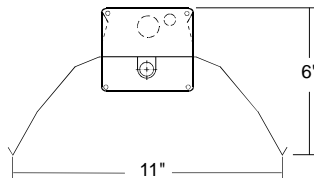
Lumen Output = 4379 lumens  
 Luminaire Efficiency = 87.6%

**SPACING CRITERION**

ALONG	ACROSS
1.24	1.30

**ALI100-1-4M-SR-E5H**

TEST NO.=LA-T0736  
 LAMP TYPE=F54T5HO  
 NO. OF LAMP=1  
 LUMENS PER LAMP=5000  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	2450	2450	2450
5	2381	2253	2392
15	2198	2346	2185
25	2187	1804	1397
35	1852	1370	1402
45	1508	1097	1053
55	1032	774	449
65	597	276	4
75	323	40	0
85	69	9	0
90	20	6	0
95	4	2	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	1698	34.0	36.5
0-40	2639	52.8	56.7
0-60	4239	84.8	91.1
0-90	4651	93.0	99.9
90-120	4	0.1	0.1
90-150	4	0.1	0.1
90-180	4	0.1	0.1
0-180	4655	93.1	100.0

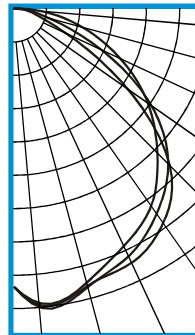
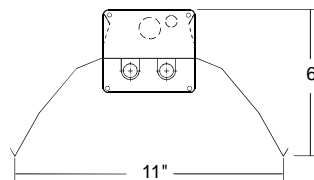
Lumen Output = 4655 lumens  
 Luminaire Efficiency = 93.1%

**SPACING CRITERION**

ALONG	ACROSS
1.22	0.84

**ALI100-2-4M-WR-E5H**

TEST NO.=LA-T0738  
 LAMP TYPE=F54T5HO  
 NO. OF LAMP=2  
 LUMENS PER LAMP=5000  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	2801	2801	2801
5	2974	3018	2996
15	2850	2895	2883
25	2629	2744	2818
35	2414	2511	2626
45	2041	2196	2216
55	1644	1684	1383
65	1179	963	567
75	708	360	228
85	273	137	86
90	92	48	5
95	34	26	2
105	3	12	2
115	1	4	1
125	0	1	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	2367	23.7	27.6
0-40	3948	39.5	46.0
0-60	7056	70.6	82.1
0-90	8549	85.5	99.5
90-120	41	0.4	0.5
90-150	41	0.4	0.5
90-180	42	0.4	0.5
0-180	8590	85.9	100.0

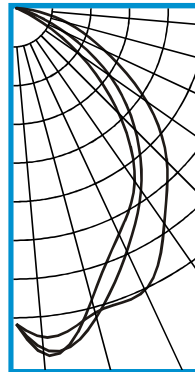
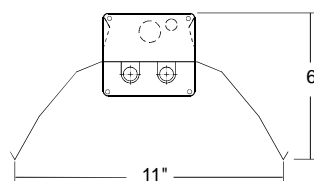
Lumen Output = 8590 lumens  
 Luminaire Efficiency = 85.9%

**SPACING CRITERION**

ALONG	ACROSS
1.33	1.42

**ALI100-2-4M-SR-E5H**

TEST NO.=LA-T0739  
 LAMP TYPE=F54T5HO  
 NO. OF LAMP=2  
 LUMENS PER LAMP=5000  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	4198	4198	4198
5	4391	4561	4629
15	4170	4210	3952
25	4104	3513	3270
35	3435	2893	2743
45	2824	2215	1880
55	2083	1467	944
65	1258	629	163
75	656	107	0
85	138	30	0
90	36	12	0
95	12	7	0
105	1	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	3270	32.7	35.5
0-40	5148	51.5	55.9
0-60	8254	82.5	89.7
0-90	9193	91.9	99.9
90-120	10	0.1	0.1
90-150	10	0.1	0.1
90-180	10	0.1	0.1
0-180	9203	92.0	100.0

Lumen Output = 9203 lumens  
 Luminaire Efficiency = 92.0%

**SPACING CRITERION**

ALONG	ACROSS
1.30	1.08

