

2 Lamp
Slimline T8 or T12

High Output T8(380mA) or T12(800mA)

Asymmetric light distribution to direct light
to assembly lines

CONSTRUCTION/FINISH

- Reflector is a dual beam cross throw design.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.

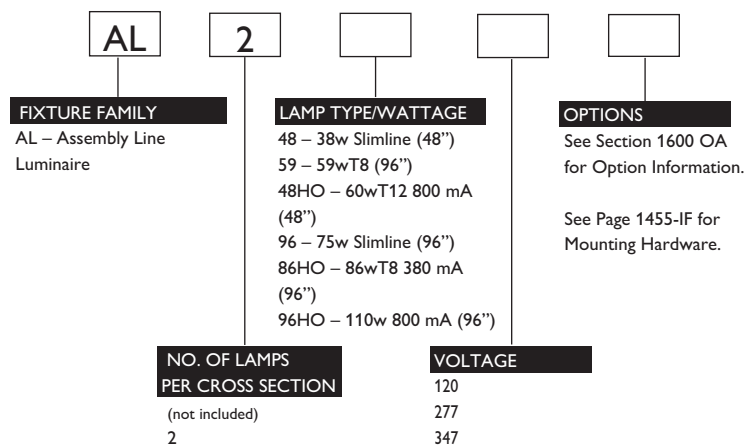
ELECTRICAL

- UL listed for damp locations.
- Class P, HPF, CBM certified ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).
- Pressure lock lampholders secured by snap-in socket plates.
- **IMPORTANT! 800 M.A. Fixtures must be suspended with a minimum 1-1/2" from surface.**

PERFORMANCE

- Light Distribution shall be axially asymmetric to provide high vertical foot candles.
- Fixture efficiency shall exceed 77%.
- Fixture shall have horizontal to vertical ratio of 1.3/1.0 at 3' when mounted on 18' centers in continuous row at 9' mounting height.
- Day-Brite's standard fixtures for high output T8 (380mA) and T12 (800mA) include ballasts rated for -20° F starting temperature.

CATALOG NUMBER



NOTES:

- With generic Electronic Ballasts (Brand selected by Day-Brite)
Suffix Catalog # with— Ballast Quantity — / — -EB Lamps Per Ballast.

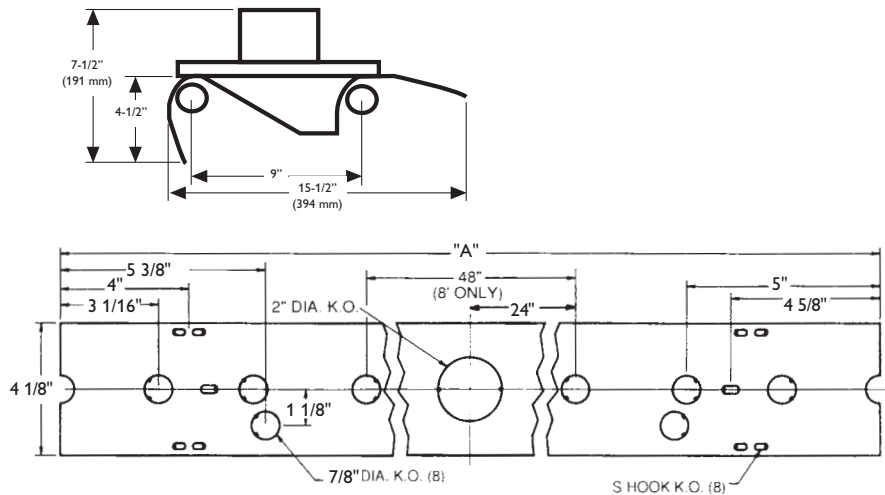
Example: -1/2-EB = One 2 Lamp Electronic Ballast.



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "Hg". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

JOB INFORMATION

DIMENSIONS



DIM "A"	Inches	(mm)
4' CHANNEL	48"	(1219 mm)
8' CHANNEL	96"	(2438 mm)

PHOTOMETRIC DATA

CATALOG # AL296HO
TEST # 7763

S/MH=1.2

LAMPS = F96 HO
BALLAST = ESB

INPUT WATTS = 204
BALLAST FACTOR = .95

LER = FS-67
FIXTURE EFFICIENCY= 78.0%

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.58 BASED ON 3000 HRS. AND \$.08 PER KWH.

CANDLEPOWER			
Angle	End	45	Cross
0	4598	4598	4598
5	4885	4755	4514
15	5206	4934	4274
25	5367	4953	3928
35	5623	4894	3526
45	5953	5070	3014
55	5336	4619	2235
65	4304	4008	1581
75	2748	2482	815
85	1451	1111	160
95	370	185	0
105	29	29	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

MAINTAINED ILLUMINATION TABLE- Square Feet/ Fixture*						
■ 50-50-20 Reflectances (Ceiling-Wall-Floor)						
■ LLF = 0.79 9200 Lumens/Lamp Medium Dirt						
■ Room width divided by room height = 5 or more, 2 or						
Fixture Size & # of Lamps	Room Width Room Height	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
8' 2-Lamp	5	-	-	-	-	115
	2	-	-	-	108	76
	1	-	-	109	78	55

*Observe Fixture S/MH Requirements for Specific Applications

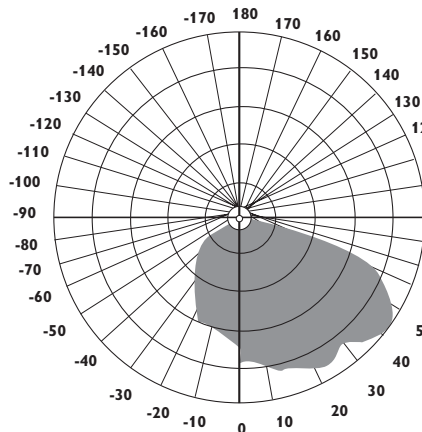
AVERAGE LUMINANCE CD/SQ.M WITH 9200 LUMEN LAMPS			
ANGLE	END	45°	CROSS
45	9062	7718	4588
55	10014	8668	4194
65	10962	10208	4027
75	11429	10322	3389
85	17920	13721	1976

LLF = .79 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = CLEAN 0.88
LLD = 0.88 @ 40% RATED LAMP LIFE BF = 0.95 ESB BALLAST & F96 HO LAMP (RELAMP AT 70% LAMP LIFE)

COEFFICIENT OF UTILIZATION												
pfc	20											
pcc	80											
pw	70	50	30	70	50	30	50	30				
RCR												
0	93	93	93	90	90	90	85	85				
1	82	79	75	81	77	73	73	70				
2	75	68	61	72	67	60	64	58				
3	68	58	53	66	57	52	56	50				
4	61	52	45	59	51	44	48	42				
5	56	46	39	55	46	39	44	38				
6	53	41	34	51	40	34	39	33				
7	48	38	30	46	36	29	35	29				
8	45	34	28	44	34	27	33	27				
9	41	32	25	40	30	25	29	23				
10	40	28	23	39	28	23	28	22				

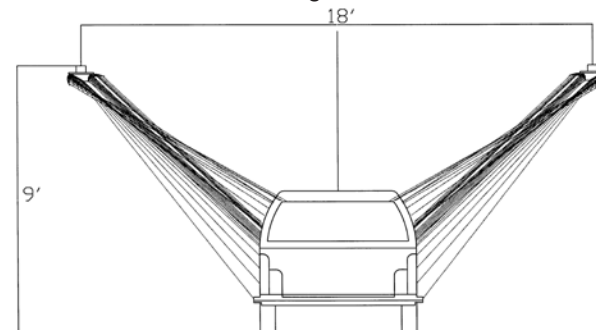
LIGHT DISTRIBUTION			
DEGREES LUMENS	% LAMP	% FIXTURE	
0-30	3401	18.5	23.7
0-40	5586	30.4	38.9
0-60	10317	56.1	71.9
0-90	14209	77.2	99.1
90-180	136	0.7	0.9
0-180	14345	78.0	100.0

PHOTOMETRIC LIGHTING CURVE



INSTALLATION

Unit shall have horizontal to vertical ratio of 1.3/1.0 at 3' when mounted on 18' centers in continuous rows at 9' mounting height.



© 2013 Koninklijke Philips Electronics N.V. All rights reserved.
Specifications are subject to change without notice.
www.philips.com/luminaires

1446-IF 04/13

Philips Lighting Company
200 Franklin Square Drive
Somerset, NJ 08873
Phone: 855-486-2216

Philips Lighting Company
281 Hillmount Road
Markham ON, Canada L6C 2S3
Phone: 800-668-9008