

Lightline® Direct Wall Asymmetric T8

Type:

Project:

SPECIFICATIONS

Rectangular 3 5/8" x 4 1/16"

LLWA

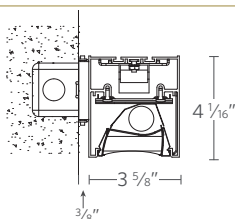
CATALOG NUMBER

FT

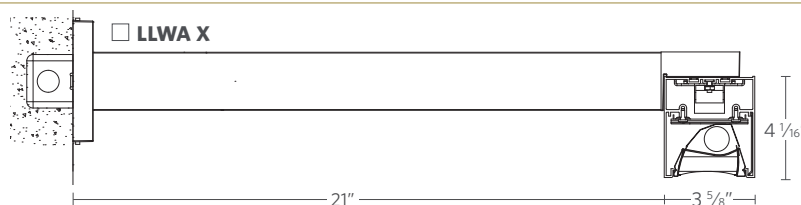
Examples: LLWA D 1 32 SSB 8FT R8 120 GEB10 1SE EC SCT LP730 F1/12 C100 — LLWA X 5 1 32 WPB 8FT R8 120 GEB10 1SE EC SCT L/LP C041

AVAILABLE FIXTURES

□ LLWA D



□ LLWA X



SPECIFICATIONS

Construction

Extruded aluminum housing forms a 3 5/8" x 4 1/16" rectangular channel. Die-cast aluminum end caps mechanically attach with no exposed fasteners. Extended arm mount (option "X") is extruded aluminum extending 21".

Reflectors

White painted reflector system.

Shielding

Arc-shaped, parabolic low iridescent semi-specular or white painted aluminum louver.

Finish

Satin anodized or white polyester powder paint. Consult factory for special finish requirements.

Electrical

Specify 120, 277 or 347 volt. Pre-wired with prescribed circuits as specified. C-UL listed and labeled. For special circuiting, consult factory.

Fixture Length

4', 8', and 12' lengths in a single section for exact suspension spacing of 4', 8', and 12'. For total fixture length, add 7/8" for each end plate. Using internal joiners, 4', 8', and 12' sections can be joined to form longer length fixtures.

ORDERING LOGIC

FT								
Fixture	Mounting Type	# of Lamps in Cross Section	Lamp Type	Baffle	Nominal Row Length ¹	Maximum Section Length	Voltage	Ballast Type
LLWA	D X	Wall Spacer 21" extended arm mount	32	SSB Semi Specular WPB White Baffle	— FT	R4 4' Section R8 8' Section R12 12' Section	120 277 347	GEB10 <10% THD ELECTRONIC Dimming Ballasts Available ADEZ ² Advance Mark 10 ECO10 ³ Lutron ECO-10 ADZT ³ Mark 7 (0-10 Volt) <i>Reference Ballast Chart on website or consult factory for other options.</i>
# of Emergency Modules	Emergency Type ⁴	Switching	Lamp Color	Finish	Options			
(Blank) None 1SE 2SE XSE	EL ² Emergency Battery Pack EC Emergency Circuit EN ² Emergency Circuit Battery Pack w/ Night Light	SCT Single Circuit	L/LP No Lamp LP730 3000K 70+ CRI LP735 3500K 70+ CRI LP741 4100K 70+ CRI LP830 3000K 80+ CRI LP835 3500K 80+ CRI LP841 4100K 80+ CRI <i>Reference Lamp Chart on website or consult factory for other options.</i>	C100 Satin Anodized Finish C041 White White (low gloss) C099 Custom Finish	DL Damp Location Label ELH EM Through Wire Harness ELS EM Through Wire Harness with Single Feed ELS2 Normal feed w/ EM separate neutral GLR Fast Blow Fuse GMF Slow Blow Fuse NYC New York City Code			

Notes:

- Must be in 4' increments. (Consult factory for additional increments).
- Not available in 347 volt.
- Not available with 28T5 Lamp Type.
- Emergency type is installed in the last 4' of fixture sections. Separate feed unless ELS/ELH is specified.

Lightline® Direct

Wall, Asymmetric T8

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PHOTOMETRICS

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LLWA

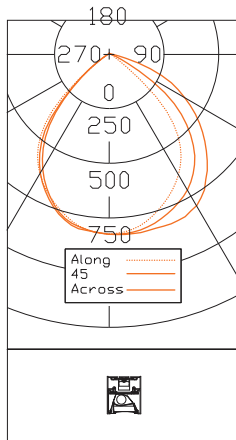
1-LAMP T8

FAR-FIELD PHOTOMETRY

DATE: 5-6-2009

REPORT NUMBER: 8028

CATALOG NUMBER: LLMA-1-32-WHR-SSB
LUMINAIRE: 3 1/2" W x 3 3/4" H RECESSED ASYMMETRIC DOWNLIGHT WITH
WHITE PAINTED REFLECTOR AND SEMI-SPECULAR BAFFLES
LAMP(S): F32T8/SP35 RATED @ 2850 LUMENS
BALLAST: REL-1P32-SC
MOUNTING:
LUMEN TO CANDELA RATIO USED = 9.15
TOTAL INPUT WATTS = 31.5 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.



CANDELA DISTRIBUTION		0.0	45.0	90.0	135.0	180.0	FLUX
0	825	825	825	825	825		
5	829	825	817	817	816		78
15	825	802	766	779	786		223
25	821	749	684	677	692		331
35	758	668	572	527	554		377
45	627	526	370	294	312		317
55	480	309	58	64	74		156
65	313	60	10	8	14		63
75	80	11	1	1	2		16
85	6	2	0	0	0		1
90	1	0	0	0	0		

ZONAL LUMEN SUMMARY		LUMENS	%LAMP	%FIXT
0- 30		631	22.2	40.4
0- 40		1009	35.4	64.5
0- 60		1484	52.1	94.9
0- 90		1564	54.9	100.0
90-180		0	0.0	0.0
0-180		1564	54.9	100.0

TOTAL LUMINAIRE EFFICIENCY = 54.9 %
CIE TYPE - DIRECT

LUMINANCE DATA IN FOOTLAMBERTS		ANGLE	AVERAGE	AVERAGE	AVERAGE
IN DEG	0-DEG	45-DEG	90-DEG		
45	3343.	2804.	1970.		
55	3158.	2035.	384.		
65	2795.	538.	95.		
75	1160.	159.	21.		
85	245.	82.	0.		

APPROVED BY:



TESTED IN ACCORDANCE WITH IES PROCEDURES, TEST DISTANCE EXCEEDS 25.0 FEET

*Use a 0.58 multiplier for T5.