

# Lightline® Direct Wall Asymmetric T5 / T5HO

Type:

Project:

## SPECIFICATIONS

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

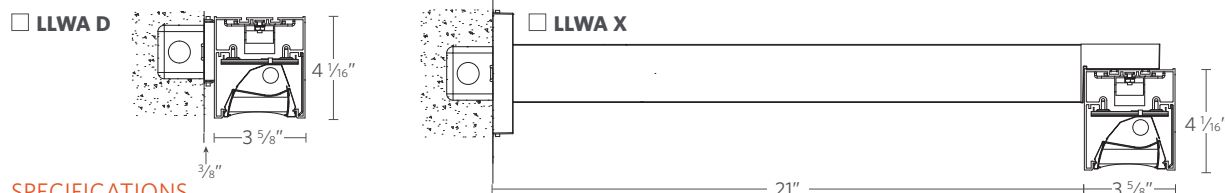
LLWA

## CATALOG NUMBER

FT

Examples: LLWA D 1 28T5 SSB 40FT R8 277 GEB10 SCT LP835 C100 - LLWA X 1 28T5 WPB 40FT R8 120 GEB10 1SE EC SCT LP835 C041

## AVAILABLE FIXTURES



## 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 LLWA	Mounting Type	# of Lamps in Cross Section	Lamp Type	Baffle	Nominal Row Length <sup>1</sup>	Maximum Section Length	Voltage	Ballast Type
	D Wall Spacer 21" extended arm mount	1	54T5HO 28T5	SSB Semi Specular WPB White Baffle		R4 4' Section R8 8' Section R12 12' Section	120 277 347	GEB10 <10% THD ELECTRONIC  Dimming Ballasts Available: ADEZ <sup>2,3</sup> Advance Mark 10 ADZT <sup>2,3</sup> Mark 7 (0-10 Volt) ECO10 <sup>2</sup> Lutron ECO-10 OSDIM <sup>2,3</sup> Osram 0-10V dim SS <sup>2</sup> SIMPLY5™  Reference <a href="#">Ballast Chart</a> on website or consult factory for other options.
# of Emergency Modules	Emergency Type <sup>4</sup>	Switching	Lamp Color	Finish	Options			
(Blank) None 1SE 2SE XSE	(Blank) None EL <sup>2</sup> Emergency Battery Pack EC Emergency Circuit EN <sup>2</sup> Emergency Battery Pack w/ Night Light	SCT Single Circuit	L/LP No Lamp LP830 3000K 80+ CRI LP835 3500K 80+ CRI LP841 4100K 80+ CRI  T5 Only LP830P 3000K 80+ CRI Premier LP835P 3500K 80+ CRI Premier LP841P 4100K 80+ CRI Premier  Reference <a href="#">Lamp Chart</a> on website or consult factory for other options.	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

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PHOTOMETRICS

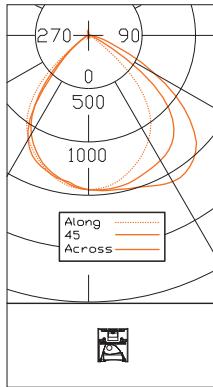
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## 1-LAMP T5HO

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 8027 DATE: 5-6-2009

CATALOG NUMBER: LLMA-1-54T5HO-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): FPM 4/835/HO/ECO RATED @ 5000 LUMENS  
BALLAST: OPT 2654T5HO/UNV PSN  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 60.5 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.



CANDELA DISTRIBUTION					FLUX
0	1448	1448	1448	1448	1448
5	1463	1454	1437	1429	1416
15	1489	1437	1354	1333	1351
25	1551	1379	1212	1181	1248
35	1575	1310	1015	927	959
45	1427	1109	643	475	398
55	997	596	109	111	105
65	418	96	26	17	29
75	116	22	7	4	5
85	11	4	0	0	1
90	1	0	0	0	0

ZONAL LUMEN	SUMMARY		
ZONE	LUMENS	%LAMP	%FIXT
0-30	1126	22.5	39.4
0-40	1829	36.6	64.0
0-60	2733	54.7	95.7
0-90	2856	57.1	100.0
90-180	0	0.0	0.0
0-180	2856	57.1	100.0

TOTAL LUMINAIRE EFFICIENCY = 57.1 %  
CIE TYPE - DIRECT

LUMINANCE DATA IN FOOTLAMBERTS			
ANGLE	AVERAGE	AVERAGE	AVERAGE
IN DEG	0-DEG	45-DEG	90-DEG
45	7605.	5910.	3427.
55	6557.	3921.	716.
65	3733.	856.	235.
75	1687.	324.	97.
85	461.	154.	0.



APPROVED BY:

BARE LAMP LUMEN VALUE IS RATED AT LAMP OPERATING TEMPERATURE INSIDE THE LUMINAIRE.  
FOR DETAIL EXPLANATIONS, PLEASE SEE PEERLESS PUBLICATION # A62