



L1B Series

FLUORESCENT | SURFACE **S**



2 LAMP TUFF LITE IP-RATED APPLICATIONS:

- UL/CUL Listed Wet Location
- Industrial & Commercial
- UL Listed Marine (Inside, Drip-Proof)
- Transit

BENEFITS:

- Luminaires adaptable to your specific needs

FEATURES:

- **IP 67 rated**
- Premium electronic ballast standard
- Exterior fiberglass housing for corrosion protection
- Every luminaire tested with lamps to assure customer satisfaction
- 5 year limited warranty
- Proudly made in **USA**

SPECIFICATIONS:

HOUSING:

Exterior housing is one piece fiberglass construction with plugs on the ends to access the wireway.

Marine: Threaded hubs on the ends to access the wireway.

REFLECTOR:

Fabricated of zinc coated steel, painted with a minimum reflectance of 88%.

GASKETING:

Thermoset polyurethane, foam in place.

LENS:

- Linear ribbed clear acrylic
- Linear ribbed clear polycarbonate
- Injection molded polycarbonate

LATCHING:

Made of replaceable polycarbonate.

ELECTRICAL:

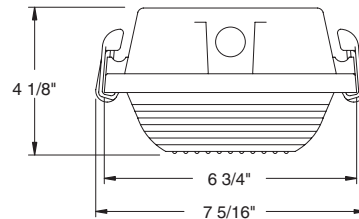
All ballasts and lampholders are UL Listed.

Marine: Utilizes a three gang terminal block for electrical connections.

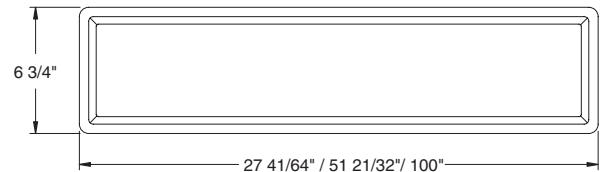
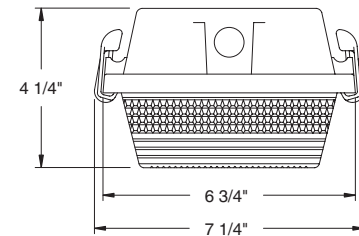
MOUNTING:

Surface, for covered ceiling installations.

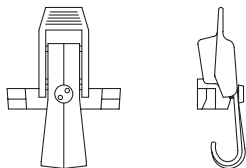
LINEAR
RIBBED CLEAR
ACRYLIC AND
POLYCARBONATE



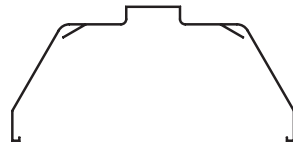
INJECTION
MOLDED CLEAR
POLYCARBONATE



TAMPER-PROOF LATCH
ASSEMBLY



STAINLESS STEEL HANGER
(2 PROVIDED PER LUMINAIRE)



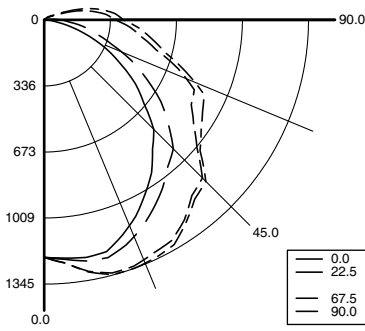


L1B Series



PHOTOMETRICS: For additional photometry, go to paramountlighting.com

Model L1B2328, 4FT, White Reflector and Lined Polycarbonate Lens, 2 32W T8 Fluorescent Lamps, Lamp Lumen Rating = 2950



Coefficients of Utilization, Zonal Cavity Method

Floor Cavity Reflectance: 20%

PCC	.8				.7				.5				.3				.1				0
PW>	.7	.5	.3	.1	.7	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	0
R 0	100	100	100	100	97	97	97	97	92	92	92	87	87	87	82	82	82	80	80	80	80
C 1	90	85	80	76	87	82	78	75	77	74	71	73	70	68	69	67	65	63	63	63	63
R 2	81	73	66	61	78	71	65	60	67	62	57	63	59	55	59	56	53	51	51	51	51
3	73	63	56	50	70	61	54	49	58	52	47	55	50	46	52	48	44	42	42	42	42
4	67	56	48	41	64	54	47	41	51	45	40	48	43	38	46	41	37	35	35	35	35
5	61	49	41	35	59	48	40	35	46	39	34	43	38	33	41	36	32	30	30	30	30
6	56	44	36	30	54	43	36	30	41	34	29	39	33	29	37	32	28	26	26	26	26
7	52	40	32	27	50	39	32	26	37	31	26	35	30	25	34	29	25	23	23	23	23
8	48	36	29	24	47	36	28	23	34	27	23	32	27	22	31	26	22	20	20	20	20
9	45	33	26	21	44	33	26	21	31	25	20	30	24	20	29	23	20	18	18	18	18
10	42	31	24	19	41	30	23	19	29	23	18	28	22	18	26	21	18	16	16	16	16

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1060	18	21
0-40	1772	30	35
0-60	3274	55	65
0-90	4679	79	93
90-120	320	5	6
90-150	334	6	7
90-180	334	6	7
0-180	5014	85	100

Total Luminaire Optical Efficiency = 85.0%
Spacing Criterion: 0° = 1.25, 90° = 1.53

TUFF LITE ORDERING INFORMATION:

SERIES	LAMP QTY	LAMP TYPE	LENS	OPT MATERIAL	OPTIONS	VOLTAGE
L1B Wet Location	1		4* Linear Ribbed Clear Acrylic		EMERGENCY (SPECIFY VOLTAGE)	120V-277V/60Hz STD
RL1B Marine Inside	2		8** Linear Ribbed Clear Polycarbonate		EM2 Bodine BDL700 WET/IOTA I-48-DL WET or similar	347V/60Hz
ML1B Inside Drip-proof	T2 Tandem		9** Injection Molded Clear Polycarbonate		EM3 Bodine BDL500 WET/IOTA I-320-DL WET or similar	50Hz & Other Voltages Available
	T4 2 Tandem		* Available in 4 FT & 8 FT lengths		EM4 Bodine BDL900 WET/IOTA I-40-DL WET or similar	
			** N/A in 8 FT Lengths		BALLASTS (SPECIFY VOLTAGE)	
					D1 Lutron Dimming Eco-10 (T5 Only)	
					D2 Electronic Dimming	
					D4 < 10% THD (Consult Factory)	
					E2 2 Electronic Ballasts	
					E9 Rapid Start Electronic Ballast	
					FUSING	
					F1 GLR/HLR Fusing (Fast)	
					F2 GMF/HLR Fusing (Slow)	
					LENSING	
					J0 Lamp Sleeves (Specify Color)	
					MOUNTING	
					M11 Special Marine Mounting	
					MISC	
					T1 Stainless Steel Latches	
					T3 Tamper Resistant Latches (Please Specify)	
					Add hyphens between options	
40BX F40T5TT (2FT)	0°					
14T5 F14T5 (2FT)	0°					
17 F17T8 (2FT)	0°					
28T5 F28T5 (4FT)	0°					
32 F32T8 (4FT)	0°					
96T8 F96T8 (8FT)	0°					
TANDEM LAMPS						
Tandem lamps are tandem wired						
14T5 F14T5 (4FT)	0°					
17 F17T8 (4FT)	0°					
28T5 F28T5 (8FT)	0°					
32T8 F32T5 (8FT)	0°					
			*S4 Stainless Steel Interior Metal			
			* Note:			
			If Stainless Steel is ordered,			
			304 SS Standard			
			316 SS and other materials			
			available, consult agent.			

INDIVIDUAL UNITS STANDARD.

Other Wattages Available, Consult Factory.

Project Information:

Information subject to change without notice. Lamps supplied by others.

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