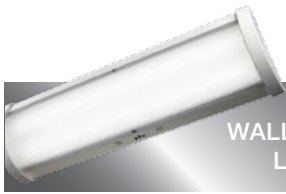


THE STAIR LIGHTER

Vandal Resistant

TSL 9 Series FL



WALL / CEILING MOUNT
LAMPS: T5, T5HO, T8

Fixture Type

Date

Job Name

Approved By

Catalog Number

SPECIFICATIONS

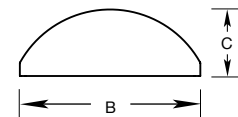
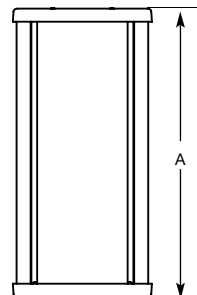
ADA Compliant



Description	The Stair Lighter series is highly optimized for use in unattended stairwells by combining rugged vandal resistant construction with state-of-the-art sensor control. The purpose-built shape of the Stair Lighter provides optimal photometric distribution for stairway lighting while the optical pattern punched into the housing allows for protection of the occupancy sensor without reducing its effectiveness. Available with multiple battery back-up options, the Stair Lighter will perform in the wall or ceiling mount position.
Housing	Die formed 18 gauge cold rolled zinc coated steel. Finished with electrostatically applied polyester powder coat.
Lens	Extruded UV stabilized polycarbonate with integral prisms. Maximum wall thickness 0.160". Secured to housing with injection molded end caps and 2 captive stainless steel TORX® head screws.
End Caps	Injection molded UV stabilized polycarbonate with a minimum wall thickness of 0.140". Secured to housing with 2 captive stainless steel TORX® head screws per side. Provisions for surface conduit entry.
Sensor	Ultrasonic zoneless activated sensor technology uses Doppler Effect to monitor volumetric space.
Ballast	Electronic high frequency with less than 10% total harmonic distortion, 120-277V standard. 347V optional.
Sockets	Precision spring loaded snap type for maximum impact damping.
UL Listing	U.L., C.U.L., Damp optional.
Lifetime Warranty	Luminaire LED Incorporated will repair or replace any fixture damaged due to vandalism for the lifetime of the installation.

DIMENSIONAL DATA

	A	B	C
TSL 92	25.10	9.40	3.46
TSL 93	37.10	9.40	3.46
TSL94 HO	48.45	9.40	3.46
TSL 94	48.45	9.40	3.46



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ORDERING INFORMATION

SERIES	LAMP	VOLTS	DRIVER	LENS	COLOR	OPTIONS		TX/SD
	(Not Included)							TX/SD
TSL92-24"	24" - 1F17T8	120-277	M7	CP	BLK	NO	EMB50	
TSL93-36"	24" - 2F17T8		SD	OP	WHT	DAMP	EMB50COLD	
TSL94HO-46"	36" - 1F25T8		O/F		BRZ	PC	EMB100	
TSL94-48"	36" - 2F25T8		2B		GRY	GLR	EMB600	
	46" - 2F28T5				CUST		ST/SD	
	46" - 2F54T5HO							
	48" - 1F32T8							
	48" - 2F32T8							

M7 = Field adjustable, factory preset low-levels; 30%, 20%, 10%, or 5% output. (Standard)

SD = Step dimming; All lamps sensed and dim to 50% output.

O/F = All lamps sensed on and off.

2B = One lamp constantly on and one lamp sensed on and off.

OPTIONS

LENS	CP = Clear Prismatic Standard	OP = Opal Optional			
COLORS	BLK = Black	WHT = White	BRZ = Bronze	GRY = Gray	CUST = Custom Color (Consult Factory)
NO	No occupancy sensor.				
DAMP	Closed cell neoprene gasketing as required for UL damp location listing.				
PC	Photoelectric switch.				
GLR	Fuse and fuse holder.				
EMB50	950-1350 lumen self contained 90 minute emergency battery pack. 0 °C (32 °F) to 55 °C (131 °F) operating range. Available for 24", 36" and 48" lengths. Not available in 347V.				
EMB50 COLD	925-1200 lumen self contained 90 minute emergency battery pack for cold weather operation. -20°C (-4 °F) to 55 °C (131 °F) operating range. Available for 24", 36" and 48" lengths. Not available in 347V.				
EMB100	350-450 lumen self contained 90 minute emergency battery pack. 0 °C (32 °F) to 55 °C (131 °F) operating range. Available for 24", 36" and 48" lengths. Not available in 347V.				
EMB600	1025-1250 lumen self contained 90 minute emergency battery pack. 0 °C (32 °F) to 50 °C (122 °F) operating range. Available for 46" length. Not available in 347V.				
ST/SC	Slotted screws instead of TORX® head.				
TX/SD	TORX® head bit.				



THE STAIR LIGHTER

Vandal Resistant

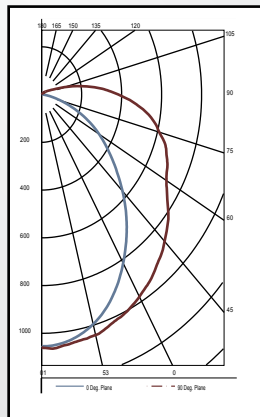
Fixture Type

TSL 9 Series FL

PHOTOMETRIC DATA

MODEL TSL94-232-M7-120-CP

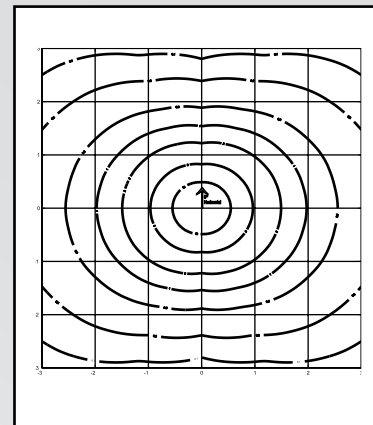
Lamps: Two 32 Watt T8 linear fluorescent rated at 2850 lumens each. Total Efficiency: 67.7%



Zone	Lumens	% Lamps	% Fixt.
0 - 30	826	14.5	21.4
0 - 40	1360	23.9	35.3
0 - 60	2472	43.4	64.1
0 - 90	3619	63.5	93.8
90 - 180	239	4.2	6.2
0 - 180	3858	67.7	100.0

Mounting Height
Multiplying

6' 7' 8' 9' 10'
1.78 1.31 1.00 0.79 0.64



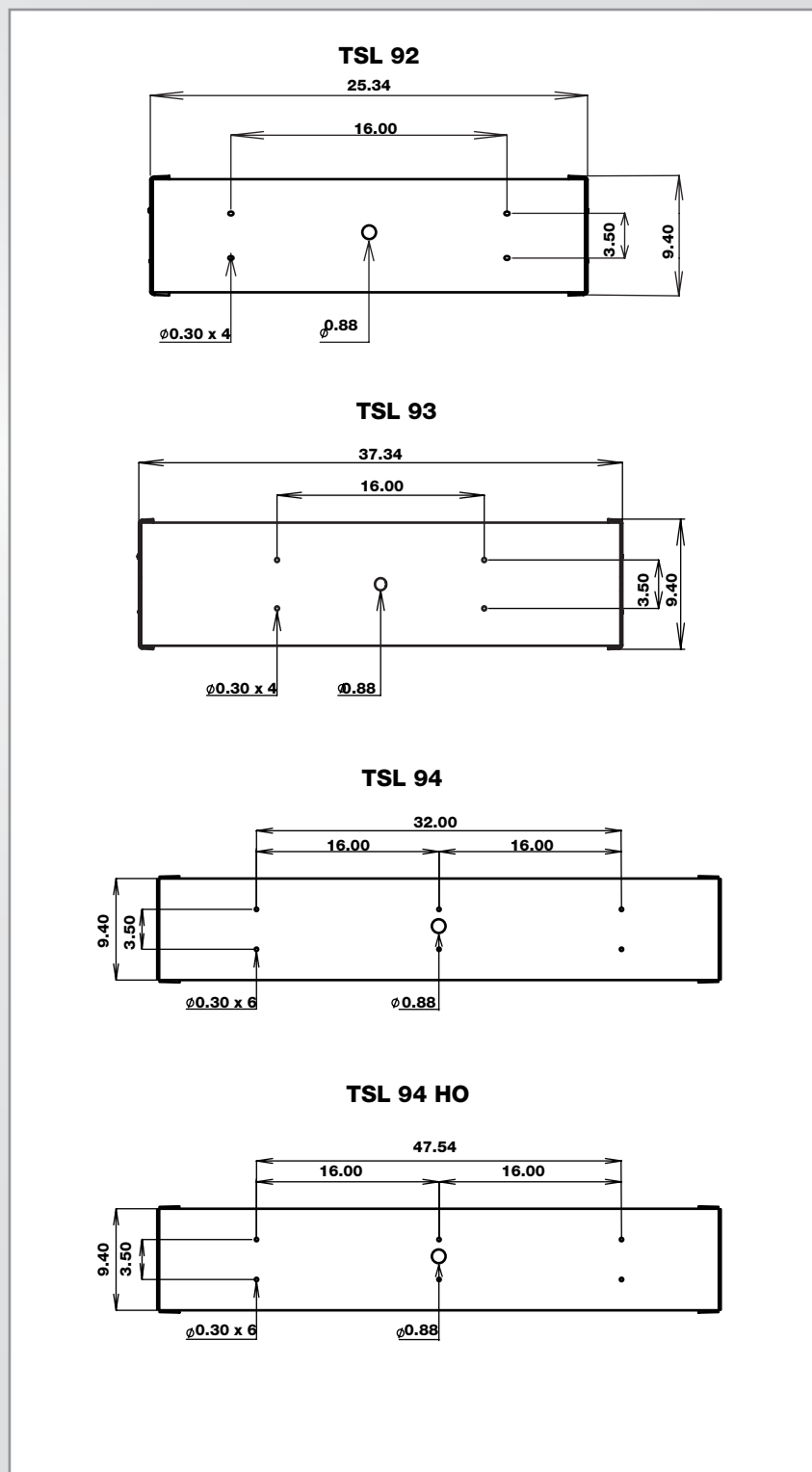
THE STAIR LIGHTER

Vandal Resistant

Fixture Type

TSL 9 Series FL

MOUNTING PLATE DETAILS



THE STAIR LIGHTER

Vandal Resistant

Fixture Type

TSL 9 Series FL

MOUNTING PLATE DETAILS

25.34

K.O. Detail

