

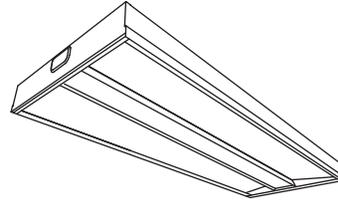
# Shine™



Recessed

2'x4'

1 T5HO



Project Name

Spec Type

Notes

## Order Guide

Some combinations of product options may not be available. Consult factory for assistance with your specification.

<b>3324</b>			<b>H154</b>				
Product Series & Size Shine 2'x4'	Version <b>D1</b> Standard T-Grid <b>A1</b> Air Return on Standard T-Grid	Configuration <b>ST</b> Standalone <b>CR</b> Continuous Row <b>SMS</b> Standalone Master/Satellite <b>CMS</b> Continuous Row Master/Satellite	Lamping 1 T5HO (54W)	Housing <b>S</b> Standard (22ga.) <b>C</b> Chicago Plenum	Wiring <b>1</b> 1 cct <b>5</b> 1 cct w/ Battery Pack <b>7</b> 1 cct Dimming	Voltage <b>1</b> 120V <b>2</b> 277V <b>3</b> 347V	Ballast <b>E</b> Standard Ballast
	See details on next page				Consult website for complete list of standard wiring options		Consult website for ballast manufacturer information

## Upgrades & Accessories

Please indicate with check mark.

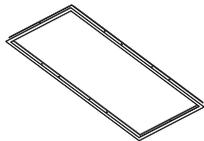
Lamps Included

Lamps Included & Installed

Job Pack

Flex Whip

Drywall Kit



Can be mounted to wood frame or with hanger wire



Wood Frame

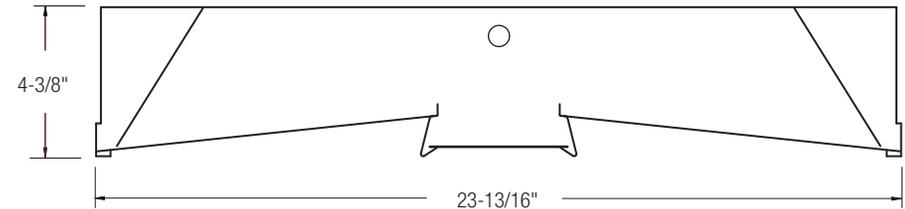


Hanger Wire

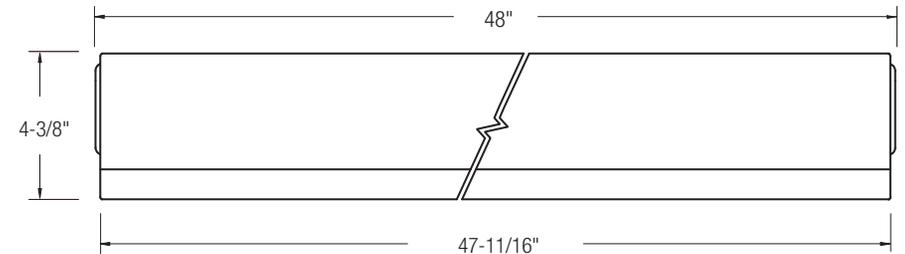
Response Daylight

For details visit [www.ledalite.com/response](http://www.ledalite.com/response)

### Cross Section



### Side View

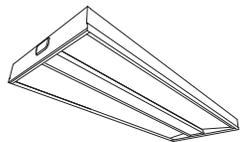


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## Photometry

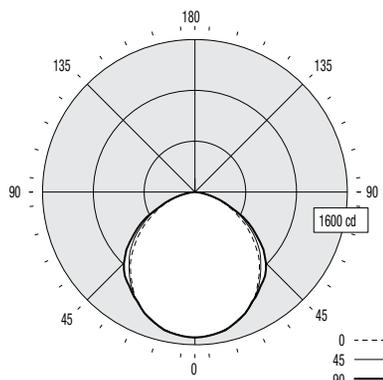
### Report Summary

**Report #** 9901719  
**Filename** 3324D1H154.ies  
**Efficiency** 87.9%

**Spacing Criteria** 1.22 @ 0° along  
 1.24 @ 90° across

### Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1526	1526	1526	1526	1526	
5	1516	1518	1516	1519	1517	146
15	1454	1460	1457	1463	1459	412
25	1340	1352	1343	1346	1340	620
35	1155	1186	1175	1204	1203	742
45	943	966	975	1045	1054	766
55	681	714	739	795	787	666
65	426	459	463	506	477	464
75	204	223	204	220	209	228
85	38	46	31	36	25	47
90	0	0	0	0	0	



### Coefficients of Utilization (%)

Ceiling: Wall:	80				70				50				0			
	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10
0 RCR	104	104	104	104	102	102	102	97	97	97	97	88				
1	96	92	88	85	94	90	87	86	84	81	74					
2	87	80	75	70	85	79	74	76	71	67	63					
3	80	71	64	58	78	69	63	67	61	57	53					
4	73	63	55	49	71	62	55	59	53	48	45					
5	67	56	48	43	65	55	48	53	47	42	39					
6	62	51	43	37	60	50	42	48	42	37	34					
7	58	46	38	33	56	45	38	44	37	32	30					
8	54	42	34	29	52	41	34	40	34	29	27					
9	50	38	31	26	49	38	31	37	30	26	24					
10	47	35	28	24	46	35	28	34	28	24	22					

Based on a floor reflectance of 0.2

### Avg. Luminance (cd/m²)

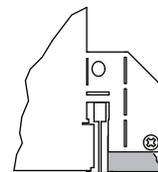
Vertical Angle	Horizontal Angle		
	0	45	90
55	1706	1852	1972
65	1449	1574	1622
75	1133	1133	1160
85	627	511	412

IES files for this and other photometric options can be downloaded online at [www.ledalite.com](http://www.ledalite.com)

## Additional Information

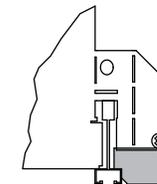
### Mounting

Integrates with most common T-bar ceiling types.



Flat T-Grid

Option D1 works with 9/16" and 15/16" flat T-grid ceilings.

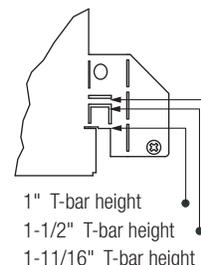


Slot T-Grid

D1 can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.

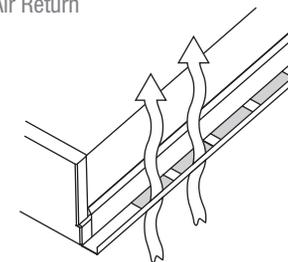
### Ceiling Types

Integrated mounting tabs can be field-adjusted to various T-bar ceiling heights for fastening directly to the T-bar grid and/or tied-off to the building structure.



1" T-bar height  
 1-1/2" T-bar height  
 1-11/16" T-bar height

### Air Return



The air return version features slotted vents along the sides of the fixture. As a result, the installation method of the air return version is different to the standard version, and the fixture cannot be installed in continuous rows.

## Specifications

Due to continuing product improvements, Ledalite reserves the right to change specifications without notice.

### Housing

Die-formed, post-painted, 22 gauge cold-rolled steel (New York City version is 20 gauge). Wire entrances are positioned on the side of the housing to allow easy wiring access for the installer. Multiple wire entrances are available on top or side to allow continuous row mounting of fixtures. Maintenance can be performed from below the ceiling without tools. No hardware is visible.

### Weight

Maximum 40 lbs.

### Optical System

Optical system consists of highly reflective painted interior reflectors and three flat acrylic lenses with 95% transmittance.

### Mounting

Fixture is compatible with most ceiling types. Option D1 works with 9/16" and 15/16" standard T-grid ceiling systems. D1 can be used with slot T-grid ceiling systems but fixture will be slightly regressed above the T-bar. Integrated tabs are provided for different T-grid heights. Optional drywall kit is available for non-accessible ceilings.

### Ballast

Electronic. Supplied with pre-installed ballast disconnects as per national electric codes.

### Wiring

Fixtures are factory pre-wired and tested for all circuits and emergency battery packs; all leads pulled to a side access with cover plate. Optional armored cable flex whips are supplied in 6' lengths for 1x4, 2x2 and 2x4 fixtures. Armored cable flex connectors are supplied in 9' lengths for optional master/satellite configurations.

### Air Return

Air return option available in 2'x2' and 2'x4' sizes. Perforated air return side rails are finished in black.

### Approvals

Certified to UL & CSA Standards. City of Chicago Approved CCEA (housing option C). Designed to comply with NYC code requirements (Housing Option N).

### Finish

Housing and Frame: Post-painted, high quality powder coat. Available in white.