

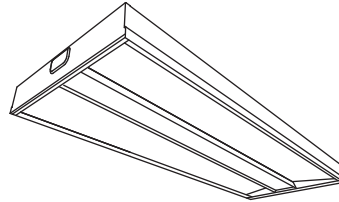
# Shine™



Recessed

2'x4'

2 T5



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>F228</b>	-		-		-		-	
Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast				
Shine 2'x4'	<b>D1</b> Standard T-Grid <b>A1</b> Air Return on Standard T-Grid	<b>ST</b> Standalone <b>CR</b> Continuous Row	2 T5 (28W)	<b>S</b> Standard (22ga.) <b>C</b> Chicago Plenum	<b>1</b> 1 cct <b>2</b> 2 cct <b>5</b> 1 cct w/ Battery Pack <b>7</b> 1 cct Dimming	<b>1</b> 120V <b>2</b> 277V <b>3</b> 347V	<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.

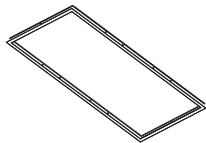
Lamps Included

Lamps Included & Installed

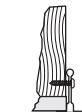
Job Pack

Flex Whip

Drywall Kit



Can be mounted to wood frame or with hanger wire



Wood Frame

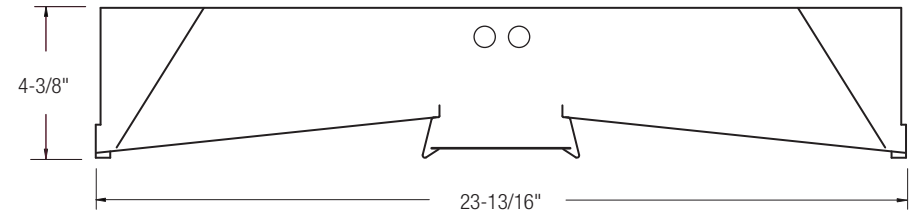


Hanger Wire

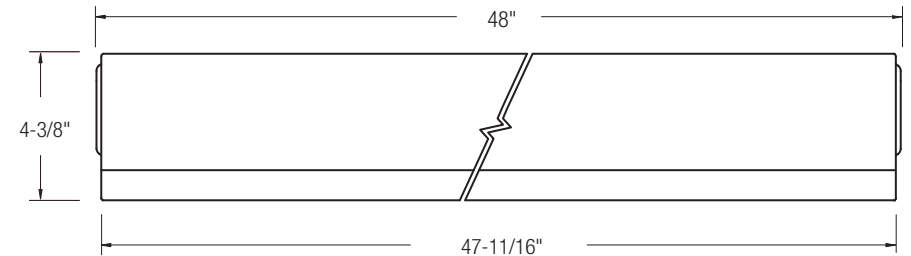
Response Daylight

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

### Cross Section

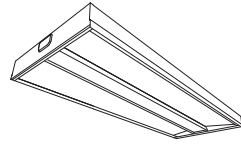


### Side View



# Shine™

Recessed  
2'x4'  
2 T5



## Photometry

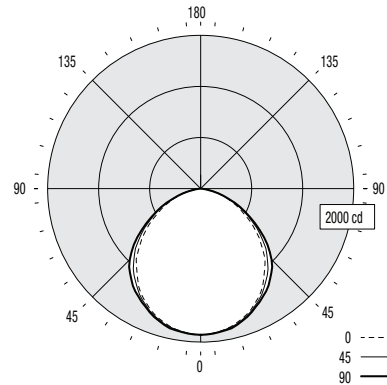
### Report Summary

Report # 9901758  
Filename 3324D1F228.ies  
Efficiency 86.8%

Spacing Criteria 1.22 @ 0° along  
1.27 @ 90° across

### Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1908	1908	1908	1908	1908	183
5	1893	1897	1896	1899	1899	517
15	1814	1826	1829	1843	1841	780
25	1662	1690	1685	1714	1702	934
35	1436	1478	1483	1535	1546	953
45	1156	1201	1224	1302	1310	807
55	827	868	896	975	940	551
65	505	546	552	596	569	262
75	237	252	243	253	239	47
85	41	45	30	31	23	0
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	103	103	103	103	101	101	101	96	96	96	96	87	87	87	87	87
1	95	91	88	85	93	89	86	85	83	80	74	62	62	62	62	62
2	87	80	74	70	84	78	73	75	71	67	62	53	53	53	53	53
3	79	70	64	58	77	69	63	66	61	57	53	45	45	45	45	45
4	73	62	55	49	71	61	54	59	53	48	45	39	39	39	39	39
5	67	56	48	43	65	55	48	53	47	42	39	34	34	34	34	34
6	62	50	43	37	60	50	42	48	42	37	34	30	30	30	30	30
7	57	46	38	33	56	45	38	44	37	33	30	27	27	27	27	27
8	53	42	34	29	52	41	34	40	34	29	27	24	24	24	24	24
9	50	38	31	26	48	38	31	37	30	26	24	22	22	22	22	22
10	47	35	28	24	45	35	28	34	28	24	22	20	20	20	20	20

Based on a floor reflectance of 0.2

### Avg. Luminance (cd/m²)

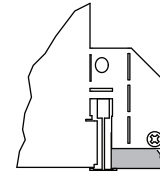
Vertical Angle	Horizontal Angle		
	0	45	90
55	2072	2245	2355
65	1717	1877	1935
75	1316	1349	1327
85	676	495	379

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

## Additional Information

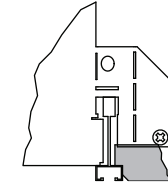
### Mounting

Integrates with most common T-bar ceiling types.



Flat T-Grid

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

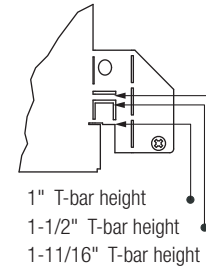


Slot T-Grid

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

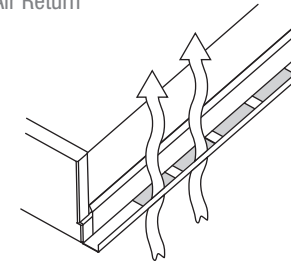
### Ceiling Types

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.