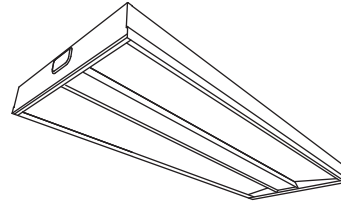# Shine™

Recessed

2'x4'

2 T8

LEDALITE

airwave™   RESPONSE®

Order Guide

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

| 3324 | | | T232 | – | | – | | – | | – | |

| Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast
Shine 2'x4'	**D1** Standard T-Grid	**ST** Standalone	2 T8 (32W)	**S** Standard (22ga.)	**1** 1 cct	**1** 120V	**E** Standard Ballast
	A1 Air Return on Standard T-Grid	**CR** Continuous Row		**C** Chicago Plenum	**2** 2 cct	**2** 277V	
		SMS Standalone Master/Satellite			**5** 1 cct w/ Battery Pack	**3** 347V	
		CMS Continuous Row Master/Satellite			**7** 1 cct Dimming		
	See details on next page				Consult website for complete list of standard wiring options		Consult website for ballast manufacturer information

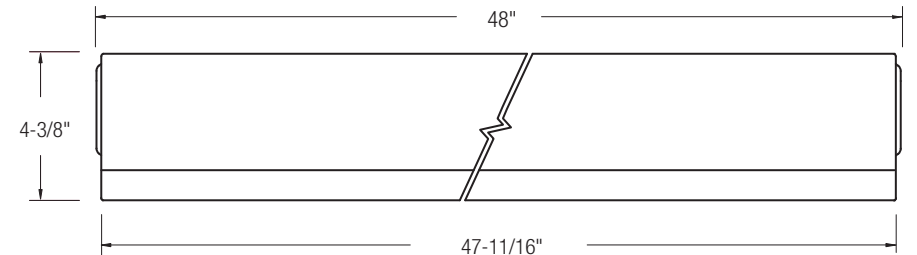## Upgrades & Accessories

Please indicate with check mark.

☐ Lamps Included

☐ Job Pack

☐ Drywall Kit

☐ Lamps Included & Installed

☐ Flex Whip

Can be mounted to wood frame or with hanger wire

Wood Frame   Hanger Wire

☐ Response Daylight
For details visit www.ledalite.com/response

Cross Section

4-3/8"

23-13/16"

Side View

48"

4-3/8"

47-11/16"

Ledalite is a Philips group brand

PHILIPS
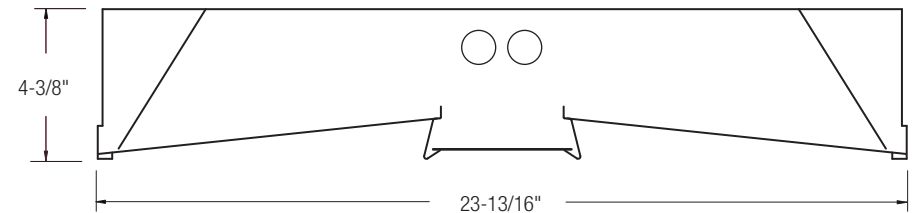
Shine™
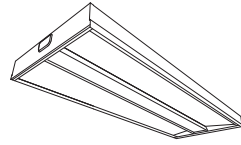
Photometry

Report Summary

Report #	9901682	**Spacing Criteria**	1.24 @ 0˚ along
Filename	3324D1T232.ies		1.35 @ 90˚ across
Efficiency	81.5%		

Candela Distribution

Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	1700	1700	1700	1700	1700	
5	1689	1695	1696	1702	1704	165
15	1624	1645	1666	1698	1704	471
25	1495	1547	1593	1637	1641	731
35	1312	1384	1432	1491	1489	890
45	1073	1151	1179	1257	1222	911
55	791	848	872	931	897	779
65	485	541	543	573	548	539
75	232	258	240	258	241	268
85	44	51	37	42	34	56
90	0	0	0	0	0	

1800 cd

0 - - -
45 ——
90 ——
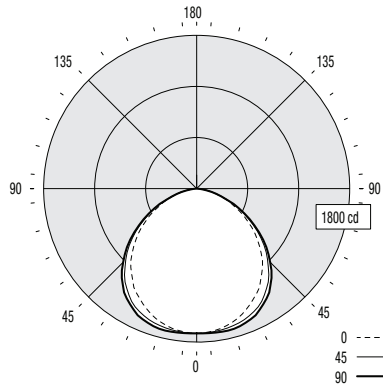
Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0 RCR	97	97	97	97	94	94	94	90	90	90	81
1	89	85	82	79	87	83	80	80	77	75	69
2	81	74	69	65	79	73	68	70	66	62	58
3	74	66	59	54	72	64	58	62	57	52	49
4	68	58	51	46	66	57	50	55	49	45	42
5	62	52	45	39	61	51	44	49	43	39	36
6	57	47	39	34	56	46	39	44	38	34	32
7	53	42	35	30	52	42	35	40	34	30	28
8	49	39	32	27	48	38	31	37	31	27	25
9	46	35	29	24	45	35	28	34	28	24	22
10	43	33	26	22	42	32	26	31	26	22	20

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle 0	45	90
55	1982	2185	2247
65	1649	1846	1863
75	1288	1333	1338
85	726	610	561

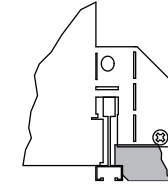IES files for this and other photometric options can be downloaded online at www.ledalite.com

Additional Information

Mounting

Integrates with most common T-bar ceiling types.
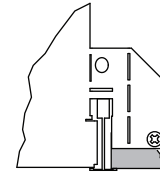
Option D1 works with 9/16" and 15/16" flat T-grid ceilings.

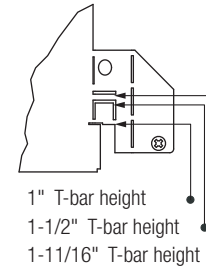D1 can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.
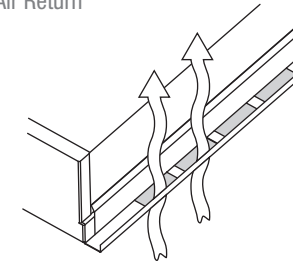
Flat T-Grid

Slot T-Grid

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.