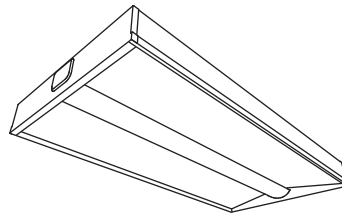# PureFX®

Recessed

2'x4'

2 T8

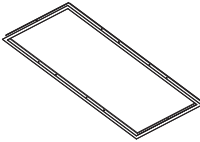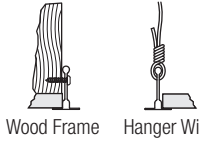**mesoOptics®** **airwave™** **RESPONSE®**

Project Name

Spec Type

Notes

Order Guide

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

| 9424 | | | T232 | – | | – | | – | | – | |

| Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast
PureFX 2'x4'	**D1** Standard T-Grid **D2** Slot T-Grid **A1** Air Return on Standard T-Grid **A2** Air Return on Slot T-Grid	**ST** Standalone **CR** Continuous Row **SMS** Standalone Master/Satellite **CMS** Continuous Row Master/Satellite	2 T8 (32W)	**S** Standard (22ga.) **C** Chicago Plenum **T** Standard w/ Frame Restraint	**1** 1 cct **5** 1 cct w/ Battery Pack **7** 1 cct Dimming	**1** 120V **2** 277V **3** 347V	**E** 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
- ☐ 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"

PHILIPS
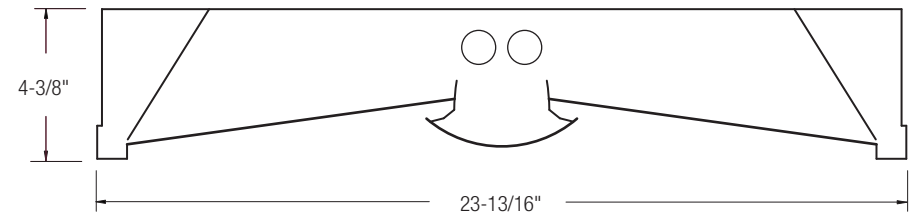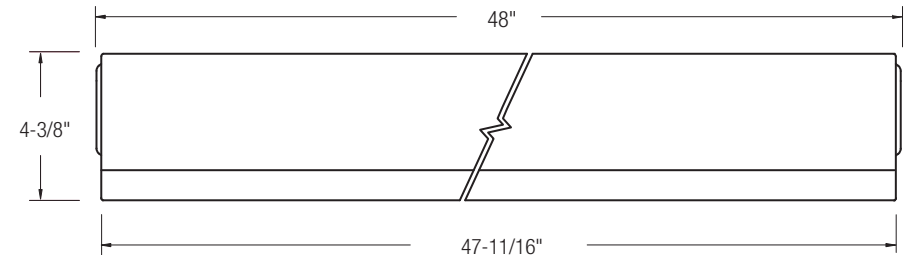
PureFX®
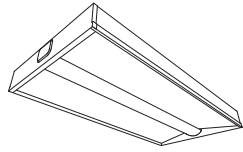
Photometry

Report Summary

Report #	2101751	**Spacing Criteria**	1.3 @ 0° along
Filename	9424D1T232.ies		1.4 @ 90° across
Efficiency	76.4%		

Candela Distribution

Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	1761	1761	1761	1761	1761	
5	1752	1757	1771	1786	1790	173
15	1693	1730	1815	1893	1920	513
25	1587	1663	1820	1906	1943	819
35	1421	1488	1577	1534	1552	944
45	1146	1124	1104	1022	1049	839
55	760	703	689	646	669	617
65	392	380	387	374	391	382
75	136	146	180	182	194	182
85	19	25	45	39	45	43
90	0	0	0	0	0	

2000 cd

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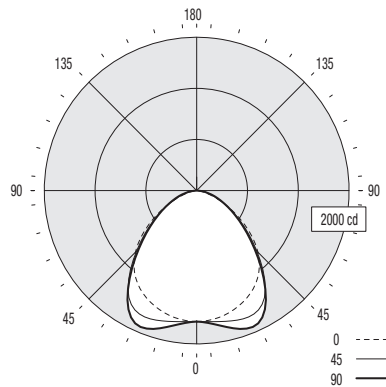
Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0 RCR	91	91	91	91	89	89	89	85	85	85	76
1	84	81	78	75	82	79	76	76	74	72	66
2	77	71	67	63	75	70	66	67	64	61	56
3	71	64	58	53	69	62	57	60	56	52	49
4	65	57	51	46	64	56	50	54	49	45	42
5	60	51	45	40	59	50	44	49	43	39	37
6	56	46	40	35	54	46	39	44	39	35	33
7	52	42	36	31	51	41	35	40	35	31	29
8	48	39	32	28	47	38	32	37	32	28	26
9	45	35	29	25	44	35	29	34	29	25	24
10	42	33	27	23	41	32	27	32	26	23	21

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle 0	45	90
55	1894	1717	1667
65	1326	1309	1323
75	751	994	1072
85	312	738	738

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

Additional Information

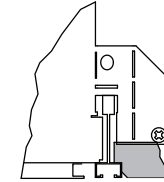### Mounting

Integrates with most common T-bar ceiling types.
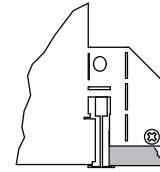
Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.
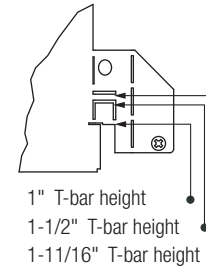
Option D2 is designed to sit flush with slot T-grid ceilings and some tegular tile ceiling types.

D1 Standard T-Grid
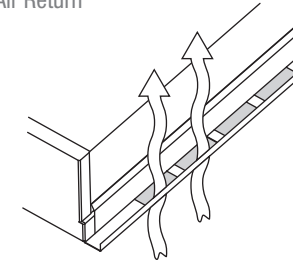
D2 Slot T-Grid

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. Optional frame restraint is available to provide additional support to the optical frame.

Weight

Maximum 40 lbs.

Optical System

Optical assembly consists of flat acrylic panels and extruded curved acrylic lens. A protected MesoOptics® film layer creates optimal light distribution and high efficiency. The optical frame ends are constructed from die-formed cold-rolled steel assembled together with extruded aluminum profiles in a sturdy frame. The frame is hinged to allow easy access to the inside of the fixture. Maintenance can be performed from below the ceiling without tools. No hardware is visible.

Mounting

Fixture is compatible with most ceiling types. Integrated bend-out tabs are provided for different T-grid heights. Optional drywall kit is available for non-accessible ceilings. Use screws or hanger wire (supplied by others) to secure fixture.

Ballast

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

Wiring

Optional flex whips are supplied in 6' lengths for 1x4, 2x2 and 2x4 fixtures. Flex connectors are supplied in 9' lengths for standard master/satellite configurations.

Air Return

Air return option available in 2'x2' and 2'x4' sizes only. 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 only.