PureFX®

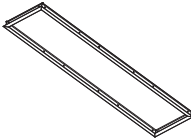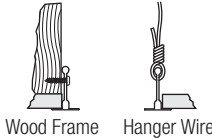LEDALITE

Recessed

1'x4'

2 T5

mesoOptics® airwave™ RESPONSE®

Order Guide

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

9414			F228	–		–		–		–	
Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast

| Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast
PureFX 1'x4'	**D1** Standard T-Grid	**ST** Standalone **CR** Continuous Row	2 T5 (28W)	**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 **S** 50/100 Power Step-Dim
	See details on next page				Consult website for complete list of standard wiring options		Consult website for ballast manufacturer information

Upgrades & Accessories

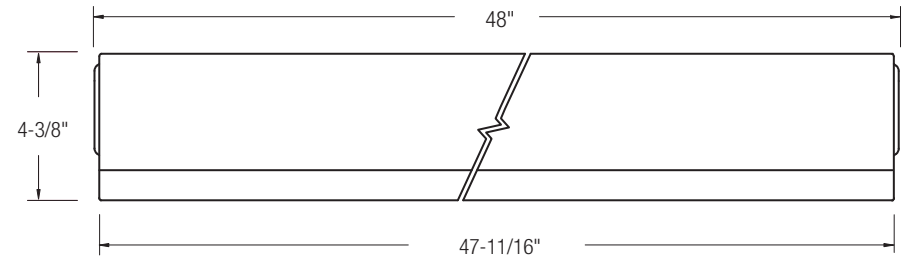Please indicate with check mark.

☐ 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
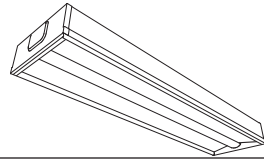For details visit www.ledalite.com/response

Cross Section

4-3/8"

11-13/16"

Side View

48"

4-3/8"

47-11/16"
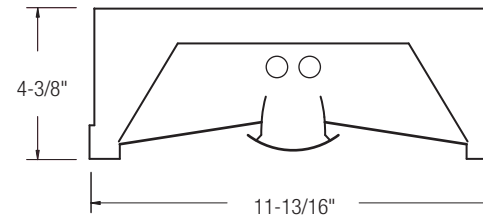
PureFX®

Recessed
1'x4'
2 T5

Photometry

Report Summary

Report #	2101752	**Spacing Criteria**	1.3 @ 0° along
Filename	9414D1F228.ies		1.3 @ 90° across
Efficiency	65%		

Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1559	1559	1559	1559	1559	
5	1553	1556	1566	1578	1581	152
15	1513	1535	1595	1638	1653	448
25	1430	1469	1537	1532	1537	689
35	1285	1276	1251	1153	1145	761
45	1035	931	855	762	763	664
55	676	576	528	466	468	482
65	344	304	290	255	265	289
75	113	105	130	117	129	129
85	10	15	31	22	28	28
90	0	0	0	0	0	

1700 cd
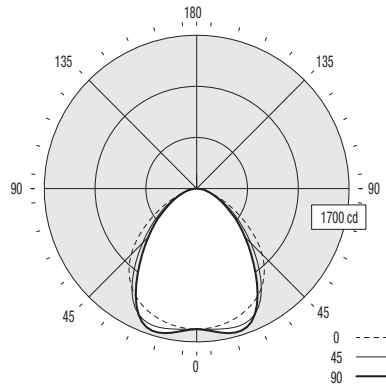
Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0 RCR	77	77	77	77	75	75	75	72	72	72	65
1	71	69	66	64	70	67	65	65	63	61	56
2	66	61	57	54	64	60	56	58	55	52	49
3	61	55	50	46	59	54	49	52	48	45	42
4	56	49	44	40	54	48	43	46	42	39	37
5	52	44	39	35	50	43	38	42	38	34	32
6	48	40	35	31	47	39	34	38	34	30	29
7	45	36	31	27	44	36	31	35	30	27	26
8	42	33	28	25	41	33	28	32	28	24	23
9	39	31	26	22	38	30	26	30	25	22	21
10	37	28	24	20	36	28	23	27	23	20	19

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	45	90
55	3516	2747	2434
65	2429	2047	1871
75	1303	1499	1487
85	342	1061	959

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.
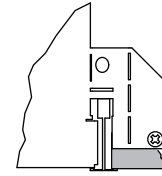
Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.

D1 Standard 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.
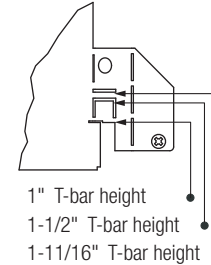
1" T-bar height
1-1/2" T-bar height
1-11/16" T-bar height

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 30 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.