

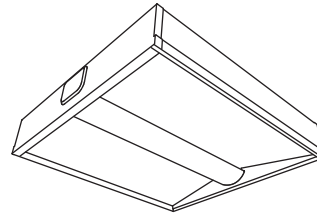
# PureFX<sup>®</sup>



Recessed

2'x2'

1 TT5 (40W)



Project Name

Spec Type

Notes

## Order Guide

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

<b>9422</b>			<b>B140</b>	-		-		-		-	
Product Series & Size	Version	Configuration	Lamping	Housing	Wiring	Voltage	Ballast				
PureFX 2'x2'	<b>D1</b> Standard T-Grid <b>D2</b> Slot T-Grid <b>A1</b> Air Return on Standard T-Grid <b>A2</b> Air Return on Slot T-Grid	<b>ST</b> Standalone <b>CR</b> Continuous Row <b>SMS</b> Standalone Master/Satellite <b>CMS</b> Continuous Row Master/Satellite	1 TT5 (40W)	<b>S</b> Standard (22ga.) <b>N</b> New York (20ga.) <b>C</b> Chicago Plenum <b>T</b> Standard w/ Frame Restraint	<b>1</b> 1 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.

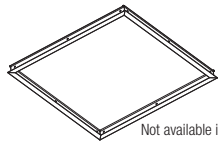
Lamps Included

Lamps Included & Installed

Job Pack

Flex Whip

Drywall Kit



Not available in continuous row

Can be mounted to wood frame or with hanger wire



Wood Frame

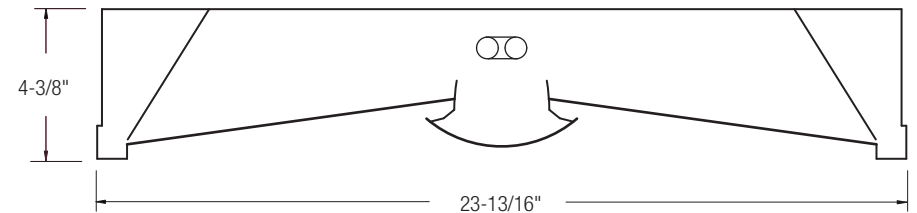


Hanger Wire

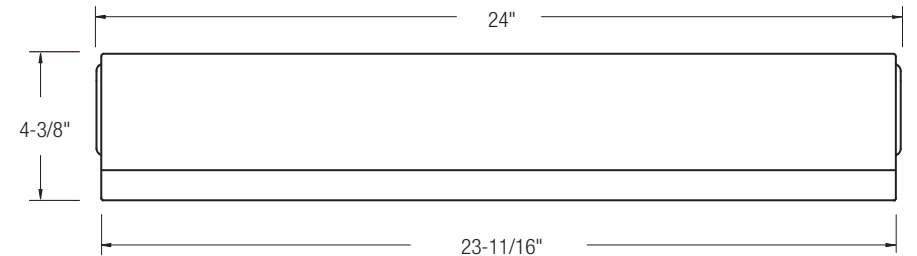
Response Daylight

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

## Cross Section

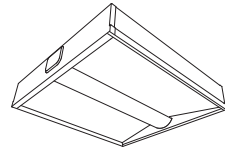


## Side View



# PureFX®

Recessed  
2'x2'  
1 TT5 (40W)



## Photometry

### Report Summary

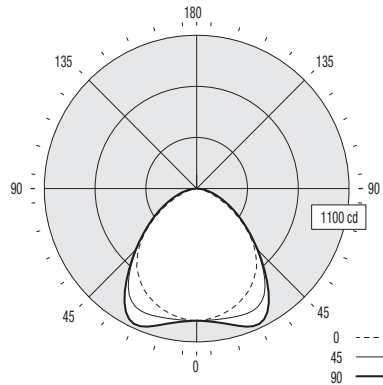
Report # 9900426  
Filename 9422D1B140.ies  
Efficiency 79%

Spacing Criteria 1.3 @ 0° along  
1.4 @ 90° across

Meets RP-1-04 recommendations for VDT-Normal spaces

### Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	948	948	948	948	948	
5	940	945	949	955	956	92
15	904	920	958	996	1013	272
25	840	879	965	1044	1071	441
35	739	791	860	902	905	524
45	584	600	614	626	626	472
55	376	377	390	402	398	349
65	187	199	223	234	229	216
75	64	77	105	113	111	102
85	8	12	20	22	21	23
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	94	94	94	94	92	92	92	87	87	87	87	79				
1	87	83	80	78	85	82	79	78	76	74	68					
2	80	74	69	65	78	72	68	70	66	63	58					
3	73	65	60	55	71	64	59	62	57	53	50					
4	67	58	52	47	66	57	51	55	50	46	43					
5	62	53	46	41	60	52	45	50	45	40	38					
6	57	47	41	36	56	47	40	45	40	36	33					
7	53	43	37	32	52	43	36	41	36	32	30					
8	50	39	33	29	48	39	33	38	32	28	27					
9	46	36	30	26	45	36	30	35	29	26	24					
10	44	33	27	23	43	33	27	32	27	23	22					

Based on a floor reflectance of 0.2

### Avg. Luminance (cd/m²)

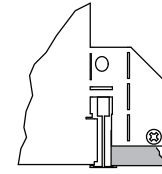
Vertical Angle	Horizontal Angle		
	0	45	90
55	1913	1985	2025
65	1292	1540	1582
75	722	1184	1252
85	268	670	703

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

## Additional Information

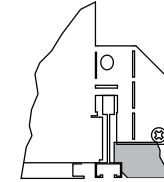
### Mounting

Integrates with most common T-bar ceiling types.



D1 Standard T-Grid

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.

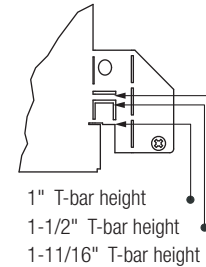


D2 Slot T-Grid

Option D2 is designed to sit flush with slot T-grid ceilings and some tegular tile ceiling types.

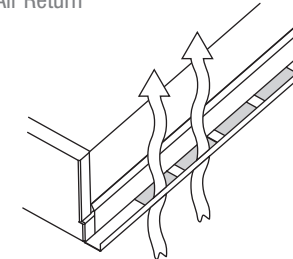
### Ceiling Types

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 23 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.