

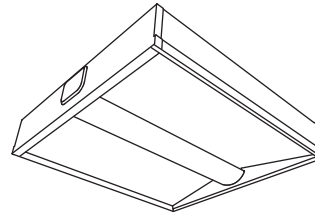
# PureFX®



Recessed

2'x2'

1 TT5 (55W)



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>B155</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 (55W)	<b>S</b> Standard (22ga.) <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

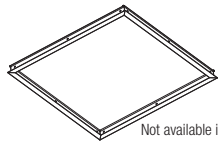
Please indicate with check mark.

Lamps Included  Lamps Included & Installed

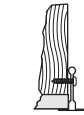
Job Pack  Flex Whip

Drywall Kit

Can be mounted to wood frame or with hanger wire



Not available in continuous row



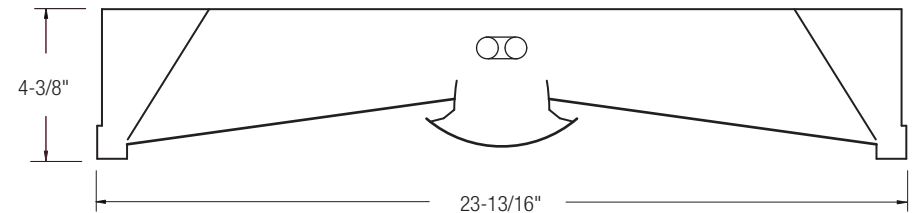
Wood Frame



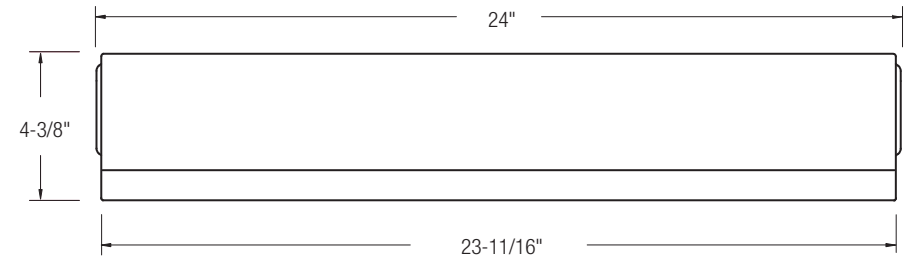
Hanger Wire

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

## Cross Section



## Side View

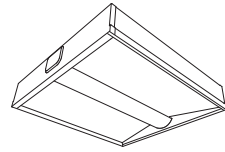


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## Photometry

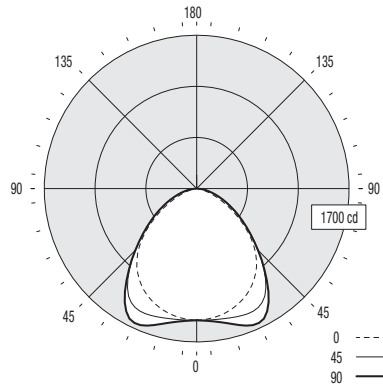
### Report Summary

Report # 9900427  
 Filename 9422D1B155.ies  
 Efficiency 80.9%

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

### Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1461	1461	1461	1461	1461	
5	1451	1457	1464	1470	1473	141
15	1402	1427	1483	1534	1556	420
25	1305	1367	1499	1611	1644	684
35	1146	1233	1345	1403	1395	814
45	902	941	973	981	967	737
55	575	587	617	634	624	548
65	283	312	356	370	366	340
75	92	120	170	181	177	163
85	11	19	30	32	30	36
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	96	96	96	96	94	94	94	89	89	89	89	80	96	96	96	96	94	94	94	89	89	89	80
1	89	85	82	79	87	83	81	80	78	76	70	89	85	82	79	87	83	81	80	78	76	70	
2	81	75	70	66	79	74	69	71	67	64	59	81	75	70	66	79	74	69	71	67	64	59	
3	75	67	61	56	73	66	60	63	58	55	51	75	67	61	56	73	66	60	63	58	55	51	
4	69	60	53	48	67	59	53	57	51	47	44	69	60	53	48	67	59	53	57	51	47	44	
5	63	54	47	42	62	53	46	51	45	41	39	63	54	47	42	62	53	46	51	45	41	39	
6	59	48	42	37	57	48	41	46	41	36	34	59	48	42	37	57	48	41	46	41	36	34	
7	54	44	37	33	53	43	37	42	36	32	30	54	44	37	33	53	43	37	42	36	32	30	
8	51	40	34	29	50	40	33	39	33	29	27	51	40	34	29	50	40	33	39	33	29	27	
9	47	37	31	26	46	36	30	36	30	26	24	47	37	31	26	46	36	30	36	30	26	24	
10	44	34	28	24	43	34	28	33	27	24	22	44	34	28	24	43	34	28	33	27	24	22	

Based on a floor reflectance of 0.2

### Avg. Luminance (cd/m²)

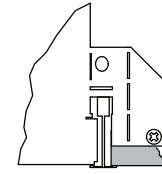
Vertical Angle	Horizontal Angle		
	0	45	90
55	2926	3140	3175
65	1955	2459	2528
75	1038	1917	1996
85	368	1005	1005

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

## Additional Information

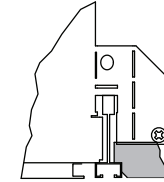
### Mounting

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.

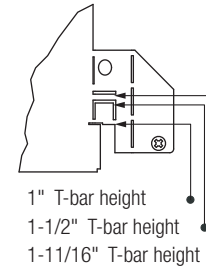


D2 Slot T-Grid

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

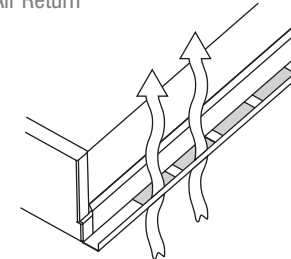
### Ceiling Types

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.