PureFX®

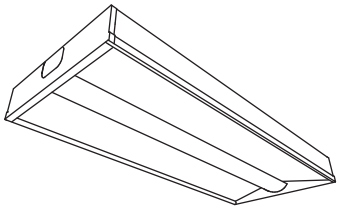
LEDALITE

Recessed

20”x4’

2 T5

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.

9454			F228	–		–		–		–	

Product Series & Size

PureFX 20”x4’

Version

NN Standard T-Grid*

*Optional filler panels for 20"x4' fixtures used in 20"x 60" ceiling grid systems are ordered separately and field installed (see below).

For 20"x4' fixtures with air return, select perforated filler panel (see below).

Configuration

ST Standalone

Lamping

2 T5 (28W)

Housing

S Standard (22ga.)
T Standard w/ Frame Restraint

Wiring

1 1 cct
5 1 cct w/ Battery Pack
7 1 cct Dimming

Consult website for complete list of standard wiring options

Voltage

1 120V
2 277V
3 347V

Ballast

E Standard Ballast
S 50/100 Power Step-Dim

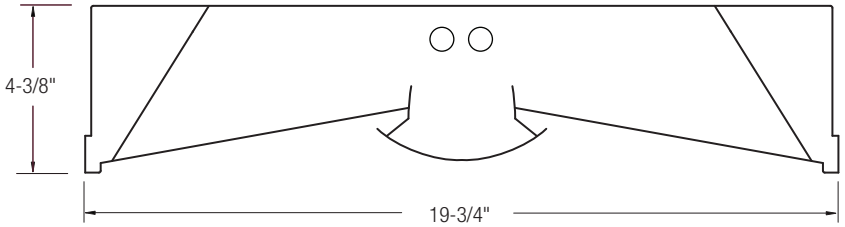
Consult website for ballast manufacturer information

Upgrades & Accessories

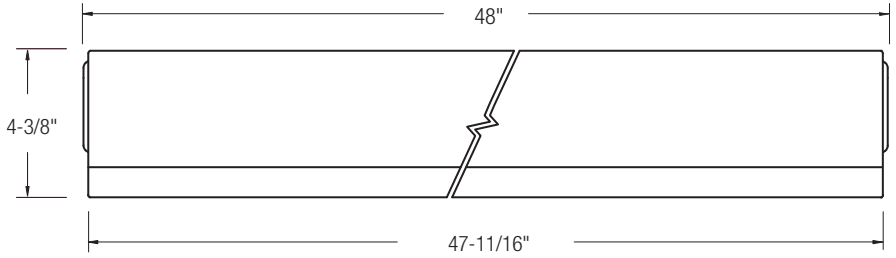
Please indicate with check mark.

- ☐ Lamps Included
- ☐ Job Pack
- ☐ Response Daylight
  For details visit www.ledalite.com/response
- ☐ Lamps Included & Installed
- ☐ Flex Whip
- ☐ Solid Filler Panel (set of 2)
- ☐ Perforated Filler Panel /Air Return (set of 2)

Cross Section



Side View



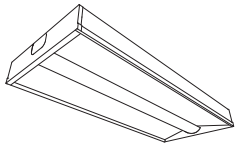
© 2010 Ledalite
Phone: 604.888.6811 Fax: 800.665.5332 Web: www.ledalite.com
Filename 9454xxxxF228.pdf Rev 1

Ledalite is a Philips group brand

PHILIPS

PureFX®

Recessed
20”x4’
2 T5



Photometry

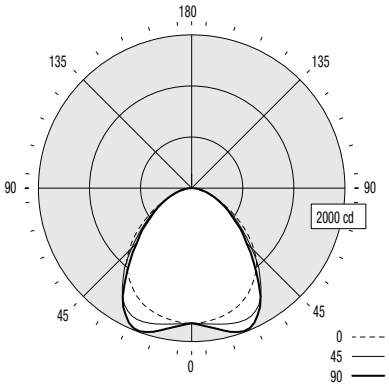
Report Summary

Report # 9901475
Filename 9454D1F228.ies
Efficiency 80.1%

Spacing Criteria 1.28 @ 0˚ along
1.36 @ 90˚ across

Candela Distribution

Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	1763	1763	1763	1763	1763	
5	1757	1763	1777	1787	1803	173
15	1710	1750	1835	1905	1941	520
25	1607	1700	1842	1931	1938	831
35	1429	1536	1579	1574	1527	960
45	1156	1179	1106	1084	1009	859
55	769	759	689	698	645	643
65	406	431	405	413	385	407
75	147	185	188	202	191	202
85	23	41	49	63	53	54
90	0	0	0	0	0	



Coefficients of Utilization (%)

Ceiling:	80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
0 RCR	95	95	95	95	93	93	93	89	89	89	80
1	88	84	81	79	86	83	80	79	77	75	69
2	81	75	70	65	78	73	68	70	66	63	59
3	74	66	60	55	72	65	59	63	58	54	50
4	68	59	53	48	66	58	52	56	51	47	44
5	63	53	46	41	61	52	46	51	45	41	38
6	58	48	41	36	57	47	41	46	40	36	34
7	54	44	37	32	53	43	37	42	36	32	30
8	50	40	33	29	49	39	33	38	33	29	27
9	47	37	30	26	46	36	30	35	30	26	24
10	44	34	28	24	43	34	28	33	27	24	22

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

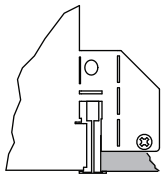
Vertical Angle	Horizontal Angle 0	45	90
55	2344	2100	1966
65	1680	1675	1593
75	993	1270	1290
85	461	983	1063

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

Additional Information

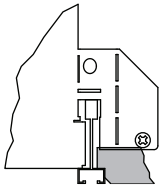
Mounting

Integrates with most common T-bar ceiling types.



Works with 9/16" and 15/16" flat T-grid ceilings.

Flat T-Grid



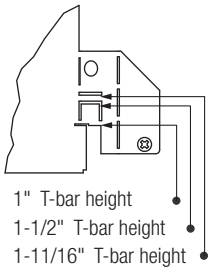
Can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.

Slot T-Grid

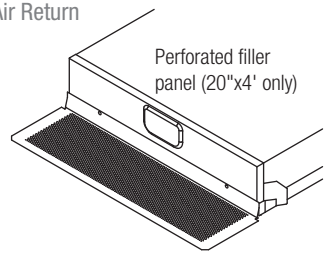
Note: Optional filler panels for 20"x4' fixtures used in 20"x 60" ceiling grid systems are ordered separately and field installed. For 20"x4' fixtures with air return, select perforated filler panel (see below).

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.



Air Return



The air return version features a perforated filler panel at the end 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. Wire entrances are positioned on the side of the housing to allow easy wiring access for the installer. Optional frame restraint is available to provide additional support to the optical frame. 20”x4’ models are available with optional field installed filler panels (solid or perforated).

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. Use screws or hanger wire (supplied by others) to secure fixture.

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

Wiring
Optional flex whips are supplied in 6' lengths.

Air Return
Available for 20"x4' only via perforated filler panel (see above).

Approvals
Certified to UL & CSA Standards.

Finish
Housing and Frame: Post-painted, high quality powder coat. Available in white only.