# PureFX®

Recessed

20"x2'

3 T5

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

LEDALITE

## Order Guide

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

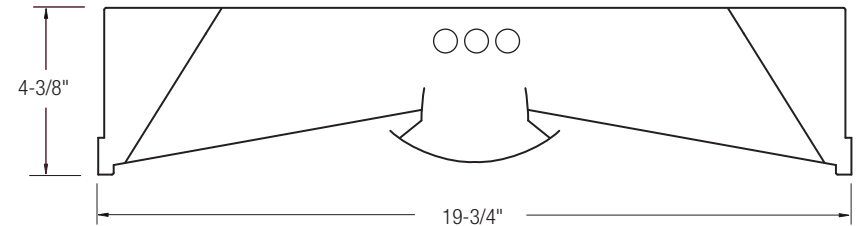| 9452 | | | F314 | – | | – | | – | | – | |

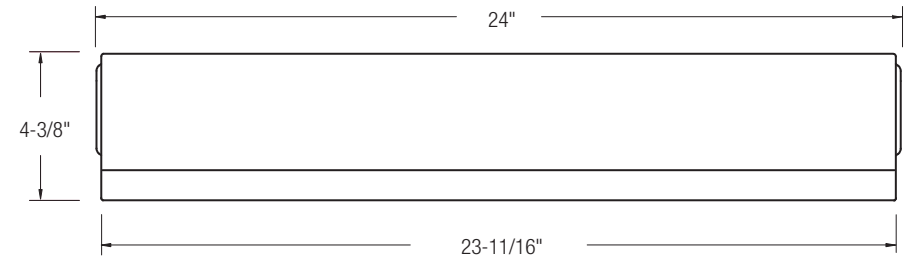| Product Series & Size | Version | Configuration | Lamping | Housing | Wiring | Voltage | Ballast |
|---|---|---|---|---|---|---|---|
| PureFX 20"x2' | **NN** Standard T-Grid | **ST** Standalone | 3 T5 (14W) | **S** Standard (22ga.)<br>**T** Standard w/ Frame Restraint | **1** 1 cct<br>**2** 2 cct<br>**5** 1 cct w/ Battery Pack<br>**7** 1 cct Dimming | **1** 120V<br>**2** 277V<br>**3** 347V | **E** Standard Ballast |
| | | | | | 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
- ☐ Response Daylight
  For details visit www.ledalite.com/response

- ☐ Lamps Included & Installed
- ☐ Flex Whip

### Cross Section

4-3/8"

19-3/4"

### Side View

24"

4-3/8"

23-11/16"

Ledalite is a Philips group brand

**PHILIPS**

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3 T5
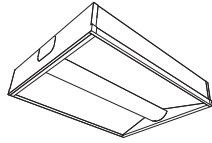
## Photometry

### Report Summary

| | | | |
|---|---|---|---|
| **Report #** | 9901513 | **Spacing Criteria** | 1.25 @ 0˚ along |
| **Filename** | 9452D1F314.ies | | 1.31 @ 90˚ across |
| **Efficiency** | 72.8% | | |

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

### Candela Distribution

| Vertical Angle | Horizontal Angle 0 | 22.5 | 45 | 67.5 | 90 | Zonal Lumens |
|---|---|---|---|---|---|---|
| 0 | 1189 | 1189 | 1189 | 1189 | 1189 | |
| 5 | 1184 | 1189 | 1197 | 1204 | 1208 | 117 |
| 15 | 1147 | 1173 | 1222 | 1265 | 1281 | 344 |
| 25 | 1071 | 1120 | 1191 | 1246 | 1245 | 540 |
| 35 | 934 | 989 | 988 | 995 | 962 | 609 |
| 45 | 725 | 723 | 682 | 702 | 658 | 539 |
| 55 | 451 | 458 | 436 | 452 | 428 | 399 |
| 65 | 223 | 243 | 240 | 261 | 248 | 245 |
| 75 | 79 | 99 | 115 | 133 | 122 | 122 |
| 85 | 12 | 20 | 29 | 42 | 39 | 33 |
| 90 | 0 | 0 | 0 | 0 | 0 | |

1300 cd

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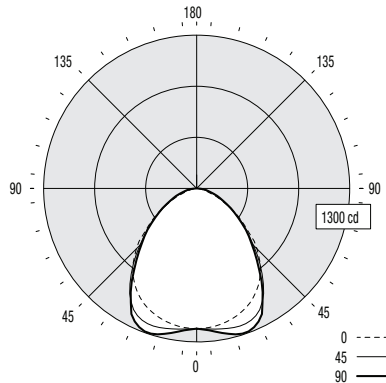
### Coefficients of Utilization (%)

| Ceiling: | 80 | | | | 70 | | | 50 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Wall: | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 0 |
| 0 RCR | 86 | 86 | 86 | 86 | 84 | 84 | 84 | 81 | 81 | 81 | 72 |
| 1 | 80 | 77 | 74 | 72 | 78 | 75 | 73 | 72 | 70 | 68 | 63 |
| 2 | 73 | 68 | 64 | 60 | 72 | 67 | 63 | 64 | 61 | 58 | 54 |
| 3 | 68 | 61 | 55 | 51 | 66 | 59 | 54 | 57 | 53 | 49 | 46 |
| 4 | 62 | 54 | 48 | 44 | 61 | 53 | 48 | 51 | 47 | 43 | 40 |
| 5 | 57 | 49 | 43 | 38 | 56 | 48 | 42 | 46 | 41 | 38 | 35 |
| 6 | 53 | 44 | 38 | 34 | 52 | 43 | 38 | 42 | 37 | 33 | 31 |
| 7 | 50 | 40 | 34 | 30 | 48 | 40 | 34 | 39 | 33 | 30 | 28 |
| 8 | 46 | 37 | 31 | 27 | 45 | 36 | 31 | 35 | 30 | 27 | 25 |
| 9 | 43 | 34 | 28 | 24 | 42 | 33 | 28 | 33 | 28 | 24 | 23 |
| 10 | 41 | 31 | 26 | 22 | 40 | 31 | 26 | 30 | 25 | 22 | 21 |

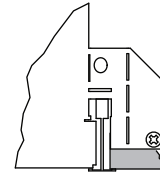Based on a floor reflectance of 0.2

### Avg. Luminance (cd/m²)

| Vertical Angle | Horizontal Angle 0 | 45 | 90 |
|---|---|---|---|
| 55 | 2807 | 2713 | 2664 |
| 65 | 1884 | 2027 | 2095 |
| 75 | 1090 | 1586 | 1683 |
| 85 | 491 | 1188 | 1597 |

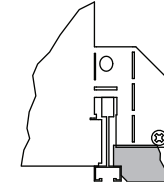IES files for this and other photometric options can be downloaded online at www.ledalite.com

## Additional Information

### Mounting

Integrates with most common T-bar ceiling types.

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

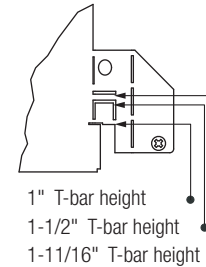Can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.

Flat T-Grid

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

## 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.

### Weight
Maximum 23 lbs.

### Optical System
Optical assembly consists of flat acrylic panels and an 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.

### Approvals
Certified to UL & CSA Standards.

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