

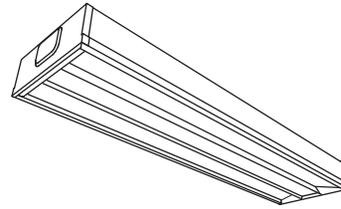
# Shine™



Recessed

1'x4'

2 T5



Project Name

Spec Type

Notes

## Order Guide

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

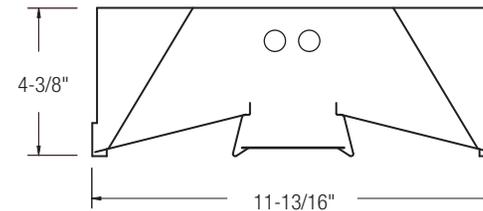
|                                      |                                      |   |                       |  |  |  |                                      |   |  |   |  |
|--------------------------------------|--------------------------------------|---|-----------------------|--|--|--|--------------------------------------|---|--|---|--|
| <b>3314</b>                          |                                      |   | <b>F228</b>           | -  |  | -  |                                      | -   |  | - |  |
| Product Series & Size<br>Shine 1'x4' | Version<br><b>D1</b> Standard T-Grid | Configuration<br><b>ST</b> Standalone<br><b>CR</b> Continuous Row | Lamping<br>2 T5 (28W) | Housing<br><b>S</b> Standard (22ga.)<br><b>N</b> New York (20ga.)<br><b>C</b> Chicago Plenum | Wiring<br><b>1</b> 1 cct<br><b>2</b> 2 cct<br><b>5</b> 1 cct w/ Battery Pack<br><b>7</b> 1 cct Dimming | Voltage<br><b>1</b> 120V<br><b>2</b> 277V<br><b>3</b> 347V | Ballast<br><b>E</b> Standard Ballast | <p>See details on next page</p> <p>Consult website for complete list of standard wiring options</p> <p>Consult website for ballast manufacturer information</p> |  |   |  |

## Upgrades & Accessories

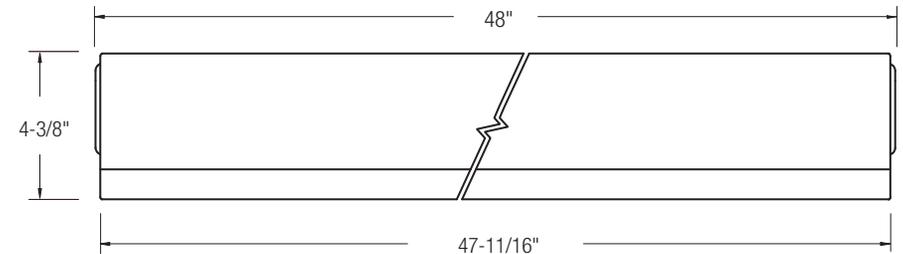
Please indicate with check mark.

|  |   |
|--|---|
| <input type="checkbox"/> Lamps Included  | <input type="checkbox"/> Lamps Included & Installed   |
| <input type="checkbox"/> Job Pack  | <input type="checkbox"/> Flex Whip  |
| <input type="checkbox"/> Drywall Kit   | <p>Can be mounted to wood frame or with hanger wire</p> <div style="display: flex; justify-content: space-around;">   </div> <p>Wood Frame    Hanger Wire</p> |
| <input type="checkbox"/> Response Daylight<br>For details visit <a href="http://www.ledalite.com/response">www.ledalite.com/response</a> |   |

### Cross Section



### Side View

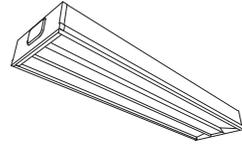


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2 T5



## Photometry

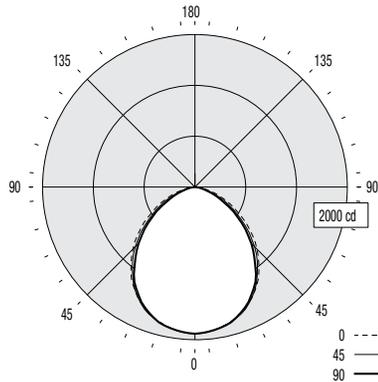
### Report Summary

**Report #** 9901752  
**Filename** 3314D1F228.ies  
**Efficiency** 78.9%

**Spacing Criteria** 1.21 @ 0° along  
 1.19 @ 90° across

### Candela Distribution

| Vertical Angle | Horizontal Angle |      |      |      |      | Zonal Lumens |
|----------------|------------------|------|------|------|------|--------------|
|                | 0                | 22.5 | 45   | 67.5 | 90   |              |
| 0              | 1924             | 1924 | 1924 | 1924 | 1924 |              |
| 5              | 1909             | 1911 | 1910 | 1911 | 1907 | 185          |
| 15             | 1825             | 1836 | 1834 | 1843 | 1836 | 517          |
| 25             | 1677             | 1684 | 1680 | 1681 | 1664 | 772          |
| 35             | 1457             | 1473 | 1425 | 1430 | 1397 | 896          |
| 45             | 1151             | 1174 | 1108 | 1095 | 1047 | 859          |
| 55             | 822              | 832  | 741  | 723  | 678  | 681          |
| 65             | 494              | 505  | 428  | 402  | 354  | 435          |
| 75             | 219              | 225  | 162  | 150  | 129  | 194          |
| 85             | 38               | 39   | 24   | 29   | 19   | 40           |
| 90             | 0                | 0    | 0    | 0    | 0    |              |



### Coefficients of Utilization (%)

| Ceiling:<br>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 | 79 |    |    |    |    |    |
| 1                 | 87 | 83 | 80 | 78 | 85 | 81 | 79 | 78 | 76 | 74 | 68 |    |    |    |    |    |
| 2                 | 79 | 73 | 69 | 64 | 77 | 72 | 68 | 69 | 65 | 62 | 58 |    |    |    |    |    |
| 3                 | 73 | 65 | 59 | 54 | 71 | 64 | 58 | 62 | 57 | 53 | 50 |    |    |    |    |    |
| 4                 | 67 | 58 | 52 | 47 | 65 | 57 | 51 | 55 | 50 | 46 | 43 |    |    |    |    |    |
| 5                 | 62 | 52 | 45 | 41 | 60 | 51 | 45 | 50 | 44 | 40 | 37 |    |    |    |    |    |
| 6                 | 57 | 47 | 40 | 36 | 56 | 46 | 40 | 45 | 39 | 35 | 33 |    |    |    |    |    |
| 7                 | 53 | 43 | 36 | 32 | 52 | 42 | 36 | 41 | 35 | 31 | 29 |    |    |    |    |    |
| 8                 | 49 | 39 | 33 | 28 | 48 | 39 | 33 | 38 | 32 | 28 | 26 |    |    |    |    |    |
| 9                 | 46 | 36 | 30 | 26 | 45 | 36 | 30 | 35 | 29 | 25 | 24 |    |    |    |    |    |
| 10                | 43 | 33 | 27 | 23 | 42 | 33 | 27 | 32 | 27 | 23 | 22 |    |    |    |    |    |

Based on a floor reflectance of 0.2

### Avg. Luminance (cd/m²)

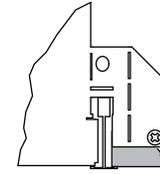
| Vertical Angle | Horizontal Angle |      |      |
|----------------|------------------|------|------|
|                | 0                | 45   | 90   |
| 55             | 4276             | 3854 | 3527 |
| 65             | 3488             | 3022 | 2499 |
| 75             | 2525             | 1867 | 1487 |
| 85             | 1301             | 822  | 650  |

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

## Additional Information

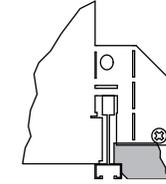
### Mounting

Integrates with most common T-bar ceiling types.



Flat T-Grid

Option D1 works with 9/16" and 15/16" flat T-grid ceilings.

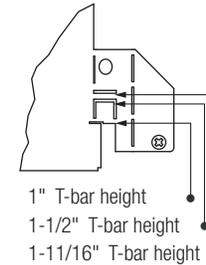


Slot T-Grid

D1 can also be used with slot T-grid ceilings, but it will not sit flush with the bottom of the T-bar.

### 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. Maintenance can be performed from below the ceiling without tools. No hardware is visible.

### Weight

Maximum 30 lbs.

### Optical System

Optical system consists of highly reflective painted interior reflectors and three flat acrylic lenses with 95% transmittance.

### Mounting

Fixture is compatible with most ceiling types. Option D1 works with 9/16" and 15/16" standard T-grid ceiling systems. D1 can be used with slot T-grid ceiling systems but fixture will be slightly regressed above the T-bar. Integrated tabs are provided for different T-grid heights. Optional drywall kit is available for non-accessible ceilings.

### Ballast

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

### Wiring

Fixtures are factory pre-wired and tested for all circuits and emergency battery packs; all leads pulled to a side access with cover plate. Optional armored cable flex whips are supplied in 6' lengths for 1x4, 2x2 and 2x4 fixtures. Armored cable flex connectors are supplied in 9' lengths for optional master/satellite configurations.

### Air Return

Air return option available in 2'x2' and 2'x4' sizes. Perforated air return 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.