

Achieva®

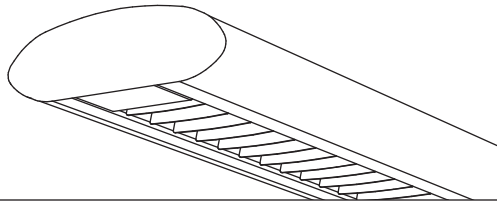


Project Name

Spec Type

Notes

Suspended
Direct/Indirect
2 T8





Order Guide

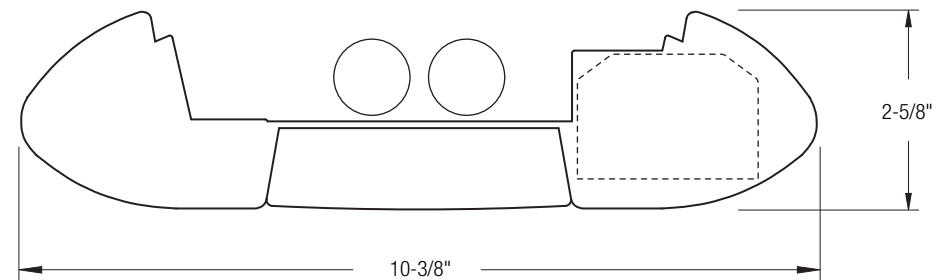
Some combinations of product options may not be available. Consult factory for assistance with your specification.

| 8816 | T02 | | | - | | - | | - | | |
|--|-----------------|---|--|--|--|--|--|--|--|--|
| Product Series & Type Achieva Direct/Indirect | Lamping 2 T8 | Lower Optics W White Louver (34*) P Semi-Specular Louver (15*) S Specular Louver (15*) M Semi-Specular VDT Louver (30*) R Specular VDT Louver (30*) | Upper Optics N None D 60% Down Kit G 80% Down Kit J 100% Down Kit U 80% Up Kit | Run Length <i>Enter the total run length in feet (4ft increments)</i> | Wiring 1 1 cct 2 2 cct 3 1 cct w/ Emergency cct 4 2 cct w/ Emergency cct 5 1 cct w/ Battery Pack 6 2 cct w/ Battery Pack 7 1 cct Dimming | Voltage 1 120V 2 277V 3 347V | Ballast E Standard Ballast Consult website for ballast manufacturer information | Color & Finish W Standard White C Factory Color X Custom Color Consult website for color and finish options | Mounting Hardware <input type="text"/> <input type="text"/> Mount Type <input type="text"/> Suspension Length <input type="text"/> <i>Enter distance from ceiling to top of fixture in inches</i> Consult separate mounting spec sheet for mount type options | |
| | | * Number of louver cells per 4ft section See details on reverse | See details on reverse | See details on reverse | Consult website for complete list of standard wiring options | | | | | |

Upgrades & Accessories

Please indicate with check mark.

| | |
|--|--|
| <input type="checkbox"/> Lamps Included | <input type="checkbox"/> Lamps Included and Installed |
| <input type="checkbox"/> Lamp Guard Not available with upper optics option U  | <input type="checkbox"/> Dust Cover  |
| <input type="checkbox"/> Response Daylight (Integrated Controls) For details visit www.ledalite.com/response | |



Suspended
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Photometry Optics PD Semi-Specular Louver w/ 60% Down Kit

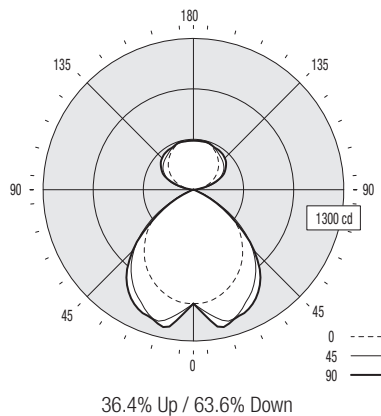
Report Summary

Report # 9900204 **Peak Candela Value*** 430 @ 170°
Filename 8816T02PD.ies **Peak to Zenith Ratio*** 1 : 1
Efficiency 69.5% * Between 90-180° vertical angle

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 | 979 | 979 | 979 | 979 | 979 | |
| 5 | 976 | 1008 | 1045 | 1071 | 1077 | 102 |
| 15 | 932 | 1046 | 1170 | 1202 | 1191 | 313 |
| 25 | 849 | 1039 | 1069 | 1119 | 1131 | 485 |
| 35 | 734 | 922 | 929 | 975 | 1001 | 576 |
| 45 | 585 | 730 | 724 | 737 | 744 | 547 |
| 55 | 397 | 477 | 438 | 397 | 384 | 377 |
| 65 | 119 | 143 | 133 | 113 | 96 | 130 |
| 75 | 12 | 10 | 7 | 4 | 3 | 12 |
| 85 | 2 | 1 | 0 | 0 | 0 | 1 |
| 90 | 0 | 0 | 0 | 0 | 0 | |
| 95 | 20 | 34 | 29 | 31 | 19 | 38 |
| 105 | 94 | 138 | 165 | 155 | 134 | 151 |
| 115 | 178 | 215 | 262 | 280 | 274 | 241 |
| 125 | 248 | 271 | 322 | 343 | 343 | 275 |
| 135 | 308 | 322 | 355 | 382 | 383 | 272 |
| 145 | 357 | 364 | 379 | 400 | 402 | 239 |
| 155 | 397 | 395 | 409 | 411 | 408 | 187 |
| 165 | 426 | 422 | 419 | 424 | 426 | 120 |
| 175 | 427 | 425 | 423 | 422 | 422 | 41 |
| 180 | 422 | 422 | 422 | 422 | 422 | |



Coefficients of Utilization (%)

| Ceiling: Walk: | 80 | | | | | 70 | | | | | 50 | | | | | 0 | | | | |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|--|--|
| | 70 | 50 | 30 | 10 | | 70 | 50 | 30 | 10 | | 50 | 30 | 10 | | 0 | 0 | 0 | 0 | | |
| 0 RCR | 76 | 76 | 76 | 76 | 76 | 71 | 71 | 71 | 62 | 62 | 62 | 62 | 62 | 62 | 43 | | | | | |
| 1 | 71 | 68 | 66 | 63 | 66 | 64 | 62 | 56 | 55 | 55 | 53 | 53 | 38 | | | | | | | |
| 2 | 65 | 60 | 56 | 53 | 61 | 57 | 53 | 50 | 48 | 45 | 33 | | | | | | | | | |
| 3 | 60 | 54 | 49 | 45 | 56 | 51 | 46 | 45 | 42 | 39 | 29 | | | | | | | | | |
| 4 | 55 | 48 | 43 | 39 | 51 | 45 | 41 | 40 | 37 | 34 | 25 | | | | | | | | | |
| 5 | 51 | 43 | 38 | 34 | 47 | 41 | 36 | 36 | 32 | 29 | 22 | | | | | | | | | |
| 6 | 47 | 39 | 33 | 29 | 44 | 37 | 32 | 33 | 29 | 26 | 20 | | | | | | | | | |
| 7 | 43 | 35 | 30 | 26 | 41 | 33 | 28 | 30 | 26 | 23 | 17 | | | | | | | | | |
| 8 | 40 | 32 | 27 | 23 | 38 | 30 | 25 | 27 | 23 | 20 | 16 | | | | | | | | | |
| 9 | 37 | 29 | 24 | 20 | 35 | 28 | 23 | 25 | 21 | 18 | 14 | | | | | | | | | |
| 10 | 35 | 27 | 22 | 18 | 33 | 25 | 21 | 23 | 19 | 17 | 13 | | | | | | | | | |

Based on a floor reflectance of 0.2

Avg. Luminance (cd/m²)

| Vertical Angle | Horizontal Angle | | |
|----------------|------------------|------|------|
| | 0 | 45 | 90 |
| 55 | 5642 | 6225 | 5457 |
| 65 | 2295 | 2565 | 1852 |
| 75 | 378 | 220 | 94 |
| 85 | 187 | 0 | 0 |

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

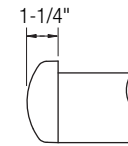
Additional Information

Modules

Module length excludes endcaps.
Nominal mount spacing for individually mounted modules with fixed position mounts.

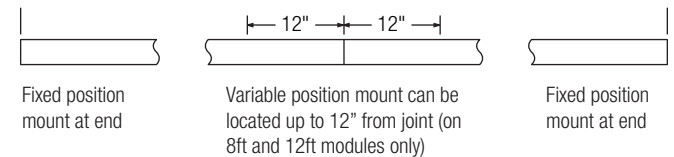
| Module | Mount Spacing |
|--------|---------------|
| 4ft | 4' 0" |
| 8ft | 8' 0" |
| 12ft | 12' 0" |

Endcap



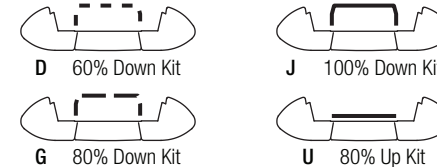
Mounting in Runs

Fixed position mounts supplied standard at ends.
Variable position mounts supplied standard at joints.
Variable position mounts cannot be located on 4ft modules. Optional variable position mounts at ends available upon request (8ft and 12ft modules only).



Upper Optics

Downlight kits and lamp separators are not recommended with white louvers (lower optics option W), due to potential for excessive louver brightness or shadowing.



Specifications

Due to continuing product improvements, Ledalite reserves the right to change specifications without notice.

Housing

6063 T5 extruded aluminum.

Weight

2.7 lb/ft.

Optical System

Constructed of 96% reflective white steel to produce a direct/indirect distribution. Louvers are available in white blades and aluminum specular or semi-specular blades. White louver blades are spaced 1.3" apart and are 1.1" deep (34 cells per 4ft section). Standard specular and semi-specular louver blades are spaced 3" apart and are 1" deep (15 cells per 4ft section). Specular VDT and semi-specular VDT louver blades are spaced 1.5" apart and are 1" deep (30 cells per 4ft section). Optional field-installable Variable Optics kits provide additional up or downlight as required.

Endcaps

Aluminum die-cast endcaps, baked powder coat finish for color.

Joints

Self-aligning joining system.

Mounting

Fixed position mounts supplied standard at ends. Variable position mounts supplied standard at joints. Variable position mounts can be located on 8ft or 12ft modules within 12" of joint or end. Aircraft cable gripper is tamper-resistant and provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

Electrical

Factory pre-wired to section ends with quick-wire connectors.

Ballast

Electronic.

Approvals

Certified to UL and CSA standards.

Finish

High-quality powder coat. Available in Ledalite Standard White (textured matte finish), and a selection of other factory and customer-specified colors. Consult factory for details.