



Project _____

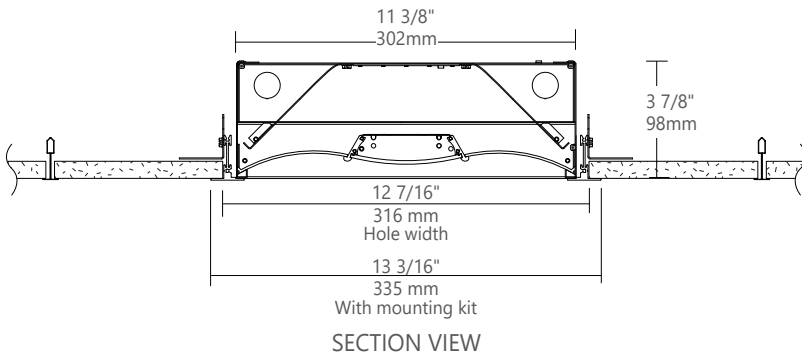
Type _____

Notes _____

PERFORMANCE AT 4000K

| NOMINAL LUMEN OUTPUT | INPUT WATTS* | EFFICACY |
|----------------------|--------------|----------|
| 900 lm | 11.45 W | 79 lm/W |
| 1000 lm | 12.88 W | 78 lm/W |
| 1200 lm | 15.77 W | 76 lm/W |
| 1600 lm | 21.73 W | 74 lm/W |

* Based on a 1'x1' luminaire using one driver
Please consult factory for custom lumen output and wattage.



Ordering Guide

| WALED | | SIZE | | NOMINAL LUMENS | | CRI | | COLOR TEMP. | | SHIELDING | | FINISH | |
|--|----------|-----------|-------|----------------|-------------------|-----------|--------|--|--------|-----------|-----------|----------|--------|
| PRODUCT ID | Wave LED | 11 | 1'X1' | 900 | 900 lm - Minimum | 80 | 80 CRI | 27 | 2700 K | VL | VL optics | W | white |
| | | | | 1600 | 1600 lm - Maximum | 90 | 90 CRI | 30 | 3000 K | | | C | custom |
| | | | | | | | | 35 | 3500 K | | | | |
| | | | | | | | | 40 | 4000 K | | | | |
| Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. | | | | | | | | Consult Axitune spec sheet for Axis color technology options | | | | | |

| VOLTAGE | | DRIVER | | CIRCUITS | | MOUNTING | | BATTERY (OPTIONAL) | | | |
|--|-----------|-----------|-----------------------|----------------------|--|-----------|----------------|---|--------------------------|--|--|
| 120 | 120 V | DP | dimming (0-10V) 1% | 1 | 1 circuit | DF | drywall flange | B# | Remote Battery Pack only | | |
| 277 | 277 V | LT | Lutron ⁽¹⁾ | +E(#) | emergency circuit ⁽³⁾ | | | | | | |
| 347 | 347 V | BI | bi-level dimming | +NL(#) | night light circuit ⁽³⁾ | | | | | | |
| UNV | universal | O | other ⁽²⁾ | +GTD(#) | generator transfer device ⁽³⁾ | | | | | | |
| (1) Specify system (2) Please consult factory Consult Axitune spec sheet for Axis color driver options | | | | (3) Specify quantity | | | | Not available with 347V Please consult factory | | | |

| OTHER (OPTIONAL) | IC CONTROLS (OPTIONAL) | CUSTOM (OPTIONAL) |
|---------------------------------|---|-------------------|
| F fuse ⁽⁴⁾ | DS# Daylight sensor | C custom |
| FW(#) flex whip (6' std) | OS# occupancy sensor | |
| AR air return | DOS# daylight & occupancy sensor | |
| CP Chicago plenum | EN# Enlighted integral ⁽⁵⁾ | |
| | ENR# Enlighted remote ⁽⁵⁾ | |
| | WC# wireless control dimming | |
| (4) Requires 120V or 277V | (5) Please consult factory Specify quantity. Requires 1.5" blank. See integrated controls guide for more details. | Please specify |

SPECIFY DRIVER NAME (if needed)

SPECIFY BATTERY NAME (if needed)

● SPECIFICATIONS

CONSTRUCTION

| | |
|-----------------------------|--|
| Housing | Die formed cold rolled sheet steel (20 gauge) |
| Central Lens Housing | Extruded aluminum (0.060" nominal) |
| Center Lens | PMMA Precision formed microconical structure 92 percent transmission, cuts off glare above 55°. |
| Side lens | 0.08" PMMA satin blend |
| Reflectors | Die formed cold rolled sheet steel (22 gauge) |
| Interior Brackets | Die formed cold rolled sheet steel (20 gauge) |
| Drywall Flange Kit | Extruded aluminum (0.060" nominal) |

● ELECTRICAL

| | |
|-----------------------|---|
| Lutron driver* | LDE1 - EcoSystem H-Series (1%) LDE5 - EcoSystem 5-Series (5%) LTE - Hi-Lume® A-series 2Wires Forward Phase (1%) *Consult factory |
|-----------------------|---|

| | |
|----------------------|--|
| Other drivers | DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex LV - line voltage - Advance Mark 10 Xitanium SR - For wireless sensor |
|----------------------|--|

Emergency Integral emergency battery pack or emergency circuit optional.

Input Voltage 120V, 277V, 347V, UNV.

i Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

● FINISH

Highly reflective, matte powder coat white paint for high efficiency. Matte texture to diffuse glare and lamp image on the surface within the optical chamber exterior. Custom finishes are also available.

● WARRANTY

Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Axis.

● APPROVALS

Certified to UL and CSA standards
Chicago Plenum Certified (CCEA)
Meets NYC requirements
Suitable for damp locations.

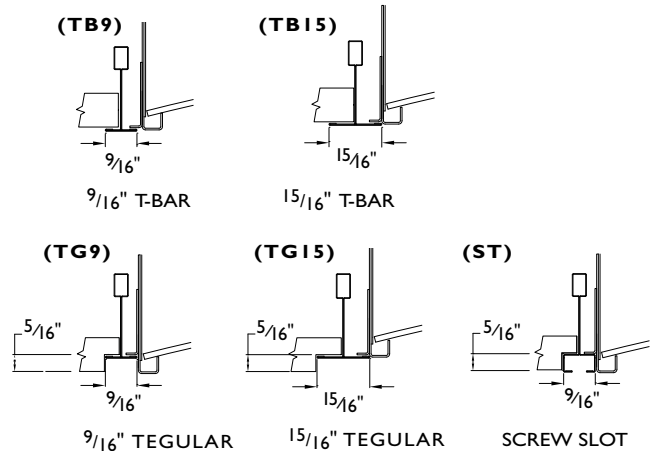


● WEIGHT

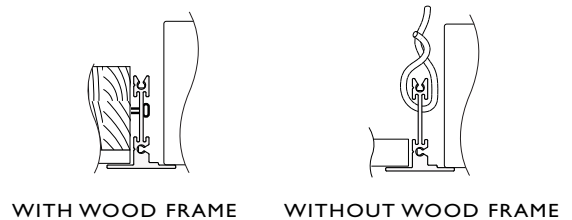
| | |
|-------------------------|----------------|
| Standard | 8 lbs / 3.6 kg |
| Drywall with Kit | 9 lbs / 4.1 kg |

● CEILING SYSTEM

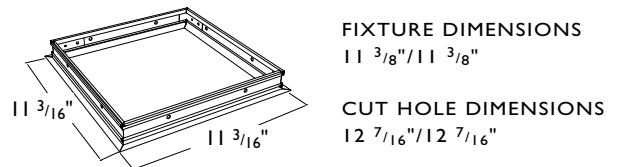
T-BAR STYLE MOUNTING



DRYWALL WITH FLANGE KIT (DF)



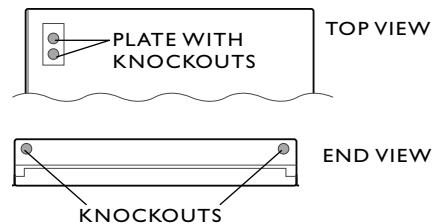
DRYWALL MOUNTING KIT



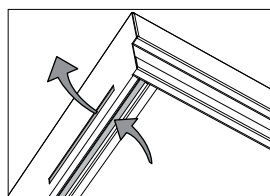
i Installation sheets for all mountings options are available at: www.axislighting.com

● STANDARD AND END MOUNT POWER FEED

Knockouts for BX cable connection are provided both on the top and on the ends of the luminaire. This allows for an end mount power feed solution if it is required. (BX CABLE BY OTHERS)



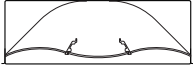
● AIR RETURN



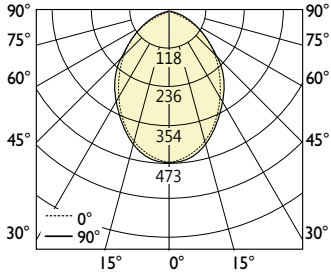
The air return (AR) option consists of discreet slots along the sides of the luminaire. These slots allow air to exhaust into the plenum and eliminate the need for unsightly air return grilles, and create a clean and well organized ceiling.

● **PHOTOMETRIC DATA**

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 900 lm
Input Watts: 11.45 W
Efficacy: 79 lm/W
 IES FILE: WALED-11-900-80-40-VL.ies
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles | | | | | Zonal Lumens |
|----------------|-------------------|------|-----|------|-----|--------------|
| | 0 | 22.5 | 45 | 67.5 | 90 | |
| 0 | 473 | 473 | 473 | 473 | 473 | |
| 10 | 455 | 455 | 454 | 453 | 455 | 22 |
| 20 | 391 | 391 | 392 | 393 | 393 | 37 |
| 30 | 313 | 316 | 321 | 326 | 329 | 44 |
| 40 | 245 | 250 | 258 | 261 | 262 | 45 |
| 50 | 149 | 156 | 158 | 161 | 166 | 33 |
| 60 | 93 | 98 | 98 | 98 | 99 | 23 |
| 70 | 54 | 57 | 54 | 50 | 50 | 14 |
| 80 | 22 | 21 | 19 | 20 | 20 | 5 |
| 90 | 0 | 0 | 0 | 0 | 0 | |

LUMINANCE DATA (cd/m²)

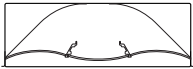
| Vertical Angle | Horizontal Angles | | |
|----------------|-------------------|------|------|
| | 0 | 45 | 90 |
| 45 | 2277 | 2389 | 2433 |
| 55 | 1624 | 1775 | 1789 |
| 65 | 1382 | 1419 | 1419 |
| 75 | 1189 | 1067 | 1037 |
| 85 | 634 | 634 | 634 |

COEFFICIENTS OF UTILIZATION (%)

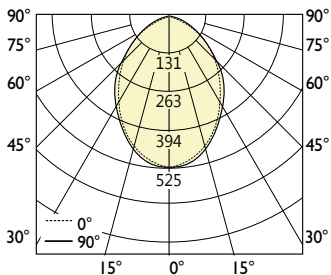
| Ceiling | 80 | | | | 70 | | | | 50 | | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | |
| Wall | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | |
| 0 | 119 | 119 | 119 | 119 | 117 | 117 | 117 | 117 | 111 | 111 | 111 | |
| 1 | 111 | 107 | 103 | 98 | 108 | 104 | 101 | 96 | 100 | 97 | 94 | |
| 2 | 102 | 95 | 89 | 81 | 99 | 93 | 87 | 81 | 89 | 85 | 79 | |
| 3 | 94 | 85 | 77 | 69 | 92 | 83 | 76 | 69 | 80 | 74 | 68 | |
| 4 | 87 | 76 | 68 | 60 | 85 | 75 | 67 | 59 | 72 | 66 | 59 | |
| 5 | 81 | 69 | 61 | 52 | 79 | 68 | 60 | 52 | 66 | 59 | 52 | |
| 6 | 75 | 63 | 54 | 46 | 73 | 62 | 54 | 46 | 60 | 53 | 46 | |
| 7 | 70 | 57 | 49 | 41 | 68 | 57 | 49 | 41 | 55 | 48 | 41 | |
| 8 | 65 | 53 | 45 | 37 | 64 | 52 | 45 | 37 | 51 | 44 | 37 | |
| 9 | 61 | 49 | 41 | 34 | 60 | 48 | 41 | 34 | 47 | 40 | 34 | |
| 10 | 58 | 45 | 38 | 31 | 56 | 45 | 38 | 31 | 44 | 37 | 31 | |

Based on floor reflectance of 20

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 1000 lm
Input Watts: 12.87 W
Efficacy: 78 lm/W
 IES FILE: WALED-11-1000-80-40-VL.ies
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles | | | | | Zonal Lumens |
|----------------|-------------------|------|-----|------|-----|--------------|
| | 0 | 22.5 | 45 | 67.5 | 90 | |
| 0 | 525 | 525 | 525 | 525 | 525 | |
| 10 | 505 | 505 | 504 | 503 | 505 | 24 |
| 20 | 435 | 435 | 436 | 437 | 437 | 41 |
| 30 | 348 | 352 | 357 | 362 | 366 | 49 |
| 40 | 272 | 277 | 287 | 290 | 291 | 50 |
| 50 | 166 | 174 | 176 | 179 | 185 | 37 |
| 60 | 104 | 109 | 109 | 109 | 110 | 26 |
| 70 | 60 | 63 | 60 | 56 | 56 | 15 |
| 80 | 24 | 23 | 21 | 22 | 22 | 6 |
| 90 | 0 | 0 | 0 | 0 | 0 | |

LUMINANCE DATA (cd/m²)

| Vertical Angle | Horizontal Angles | | |
|----------------|-------------------|------|------|
| | 0 | 45 | 90 |
| 45 | 2530 | 2654 | 2704 |
| 55 | 1804 | 1972 | 1988 |
| 65 | 1536 | 1577 | 1577 |
| 75 | 1322 | 1186 | 1152 |
| 85 | 704 | 704 | 704 |

COEFFICIENTS OF UTILIZATION (%)

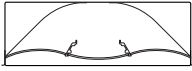
| Ceiling | 80 | | | | 70 | | | | 50 | | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | |
| Wall | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | |
| 0 | 119 | 119 | 119 | 119 | 117 | 117 | 117 | 117 | 111 | 111 | 111 | |
| 1 | 111 | 107 | 103 | 98 | 108 | 104 | 101 | 96 | 100 | 97 | 94 | |
| 2 | 102 | 95 | 89 | 81 | 99 | 93 | 87 | 81 | 89 | 85 | 79 | |
| 3 | 94 | 85 | 77 | 69 | 92 | 83 | 76 | 69 | 80 | 74 | 68 | |
| 4 | 87 | 76 | 68 | 60 | 85 | 75 | 67 | 59 | 72 | 66 | 59 | |
| 5 | 81 | 69 | 61 | 52 | 79 | 68 | 60 | 52 | 66 | 59 | 52 | |
| 6 | 75 | 63 | 54 | 46 | 73 | 62 | 54 | 46 | 60 | 53 | 46 | |
| 7 | 70 | 57 | 49 | 41 | 68 | 57 | 49 | 41 | 55 | 48 | 41 | |
| 8 | 65 | 53 | 45 | 37 | 64 | 52 | 45 | 37 | 51 | 44 | 37 | |
| 9 | 61 | 49 | 41 | 34 | 60 | 48 | 41 | 34 | 47 | 40 | 34 | |
| 10 | 58 | 45 | 38 | 31 | 56 | 45 | 38 | 31 | 44 | 37 | 31 | |

Based on floor reflectance of 20

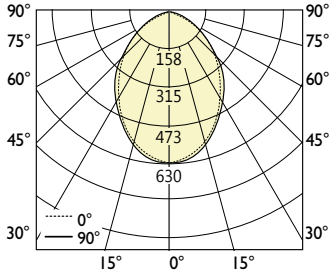
i All IES files are available for download at: www.axislighting.com

● PHOTOMETRIC DATA

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 1200 lm
Input Watts: 15.77 W
Efficacy: 76 lm/W
 IES FILE: WALED-11-1200-80-40-VL.ies
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles | | | | | Zonal Lumens |
|----------------|-------------------|------|-----|------|-----|--------------|
| | 0 | 22.5 | 45 | 67.5 | 90 | |
| 0 | 630 | 630 | 630 | 630 | 630 | |
| 10 | 607 | 607 | 605 | 604 | 607 | 29 |
| 20 | 521 | 521 | 523 | 524 | 524 | 49 |
| 30 | 418 | 422 | 428 | 435 | 439 | 59 |
| 40 | 326 | 333 | 345 | 348 | 350 | 60 |
| 50 | 199 | 208 | 211 | 215 | 221 | 44 |
| 60 | 124 | 131 | 131 | 131 | 132 | 31 |
| 70 | 72 | 76 | 72 | 67 | 67 | 18 |
| 80 | 29 | 28 | 25 | 26 | 26 | 7 |
| 90 | 0 | 0 | 0 | 0 | 0 | |

LUMINANCE DATA (cd/m²)

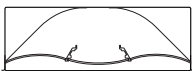
| Vertical Angle | Horizontal Angles | | |
|----------------|-------------------|------|------|
| | 0 | 45 | 90 |
| 45 | 3036 | 3185 | 3245 |
| 55 | 2165 | 2367 | 2385 |
| 65 | 1843 | 1893 | 1893 |
| 75 | 1586 | 1423 | 1383 |
| 85 | 845 | 845 | 845 |

COEFFICIENTS OF UTILIZATION (%)

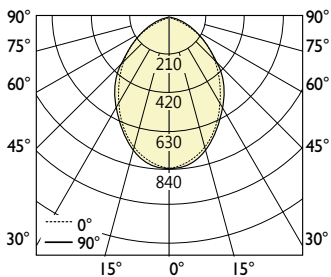
| Ceiling | 80 | | | | 70 | | | | 50 | | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | |
| Wall | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | |
| 0 | 119 | 119 | 119 | 119 | 117 | 117 | 117 | 117 | 111 | 111 | 111 | |
| 1 | 111 | 107 | 103 | 98 | 108 | 104 | 101 | 96 | 100 | 97 | 94 | |
| 2 | 102 | 95 | 89 | 81 | 99 | 93 | 87 | 81 | 89 | 85 | 79 | |
| 3 | 94 | 85 | 77 | 69 | 92 | 83 | 76 | 69 | 80 | 74 | 68 | |
| 4 | 87 | 76 | 68 | 60 | 85 | 75 | 67 | 59 | 72 | 66 | 59 | |
| 5 | 81 | 69 | 61 | 52 | 79 | 68 | 60 | 52 | 66 | 59 | 52 | |
| 6 | 75 | 63 | 54 | 46 | 73 | 62 | 54 | 46 | 60 | 53 | 46 | |
| 7 | 70 | 57 | 49 | 41 | 68 | 57 | 49 | 41 | 55 | 48 | 41 | |
| 8 | 65 | 53 | 45 | 37 | 64 | 52 | 45 | 37 | 51 | 44 | 37 | |
| 9 | 61 | 49 | 41 | 34 | 60 | 48 | 41 | 34 | 47 | 40 | 34 | |
| 10 | 58 | 45 | 38 | 31 | 56 | 45 | 38 | 31 | 44 | 37 | 31 | |

Based on floor reflectance of 20

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 1600 lm
Input Watts: 21.73 w
Efficacy: 74 lm/w
 IES FILE: WALED-11-1600-80-40-VL.ies
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles | | | | | Zonal Lumens |
|----------------|-------------------|------|-----|------|-----|--------------|
| | 0 | 22.5 | 45 | 67.5 | 90 | |
| 0 | 840 | 840 | 840 | 840 | 840 | |
| 10 | 809 | 809 | 807 | 805 | 809 | 38 |
| 20 | 695 | 695 | 697 | 699 | 699 | 65 |
| 30 | 557 | 562 | 571 | 580 | 585 | 78 |
| 40 | 435 | 444 | 459 | 465 | 466 | 80 |
| 50 | 266 | 278 | 281 | 286 | 295 | 59 |
| 60 | 166 | 175 | 175 | 175 | 176 | 41 |
| 70 | 96 | 101 | 96 | 89 | 89 | 24 |
| 80 | 38 | 37 | 33 | 35 | 35 | 10 |
| 90 | 0 | 0 | 0 | 0 | 0 | |

LUMINANCE DATA (cd/m²)

| Vertical Angle | Horizontal Angles | | |
|----------------|-------------------|------|------|
| | 0 | 45 | 90 |
| 45 | 4048 | 4247 | 4326 |
| 55 | 2887 | 3156 | 3180 |
| 65 | 2457 | 2523 | 2523 |
| 75 | 2114 | 1898 | 1843 |
| 85 | 1127 | 1127 | 1127 |

COEFFICIENTS OF UTILIZATION (%)

| Ceiling | 80 | | | | 70 | | | | 50 | | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | |
| Wall | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | |
| 0 | 119 | 119 | 119 | 119 | 117 | 117 | 117 | 117 | 111 | 111 | 111 | |
| 1 | 111 | 107 | 103 | 98 | 108 | 104 | 101 | 96 | 100 | 97 | 94 | |
| 2 | 102 | 95 | 89 | 81 | 99 | 93 | 87 | 81 | 89 | 85 | 79 | |
| 3 | 94 | 85 | 77 | 69 | 92 | 83 | 76 | 69 | 80 | 74 | 68 | |
| 4 | 87 | 76 | 68 | 60 | 85 | 75 | 67 | 59 | 72 | 66 | 59 | |
| 5 | 81 | 69 | 61 | 52 | 79 | 68 | 60 | 52 | 66 | 59 | 52 | |
| 6 | 75 | 63 | 54 | 46 | 73 | 62 | 54 | 46 | 60 | 53 | 46 | |
| 7 | 70 | 57 | 49 | 41 | 68 | 57 | 49 | 41 | 55 | 48 | 41 | |
| 8 | 65 | 53 | 45 | 37 | 64 | 52 | 45 | 37 | 51 | 44 | 37 | |
| 9 | 61 | 49 | 41 | 34 | 60 | 48 | 41 | 34 | 47 | 40 | 34 | |
| 10 | 58 | 45 | 38 | 31 | 56 | 45 | 38 | 31 | 44 | 37 | 31 | |

Based on floor reflectance of 20

i All IES files are available for download at: www.axislighting.com