

## LED Area Lighting Luminaire

## SPECIFICATION (3000K@120-277V)



## ORDER GUIDE

| Group   | TL | UUU | VV | WW | XX | Y | ZZ |
|---------|----|-----|----|----|----|---|----|
| Example | AL | 160 | 5M | WW | VL | D | BZ |

| Group | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RL    | Represents LED <b>Area Lighting</b> ;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UUU   | Represents input power, which can be 090, 160, 245, or 275, e.g., 160= <b>160 W</b> ;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| VV    | Represents lens type, distinguished by different models, which can be 2M, 3M, 4M, 4S, 5M, 5S, or others.<br><br><div> <div>Type II (Full Cutoff)</div> <div>2S (Short);</div> <div><b>2M (Medium)*;</b></div> <div>2L (Long);</div> </div> <div> <div>Type III (Full Cutoff)</div> <div>3S (Short);</div> <div><b>3M (Medium)*;</b></div> <div>3L (Long);</div> </div> <div> <div>Type IV (Full Cutoff)</div> <div>4S (Short);</div> <div><b>4M (Medium)*;</b></div> <div>4L (Long);</div> </div> <div> <div>Type VS (Full Cutoff)</div> <div>5S (Short);</div> <div><b>5M (Medium)*;</b></div> <div>5L (Long).</div> </div> |
| WW    | Represents the nominal Correlated Color Temperature, which can be<br><br><div> <div>CW</div> <div>Cool White</div> <div>5000 K (± 300 K);</div> </div> <div> <div>NW</div> <div>Neutral White</div> <div>4000 K (± 300 K);</div> </div> <div> <div><b>WW</b></div> <div><b>Warm White</b></div> <div><b>3000 K (± 300 K)**;</b></div> </div>                                                                                                                                                                                                                                                                                 |
| XX    | Represents the input voltage: UL (120-277V), <b>VL (120-240/277V)*</b> , or UH (480V).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Y     | Represents the dimming function, D (DALI)*, or P (Photocell).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ZZ    | Represents the luminaire body color, which can be BK, BZ, GN, GY or WT<br><br><div> <div>BK</div> <div>Black</div> <div>(RAL 9017);</div> </div> <div> <div><b>BZ</b></div> <div><b>Bronze</b></div> <div><b>(RAL 8019)*;</b></div> </div> <div> <div>GN</div> <div>Green</div> <div>(RAL 6005);</div> </div> <div> <div>GY</div> <div>Gray</div> <div>(RAL 7038);</div> </div> <div> <div>WT</div> <div>White</div> <div>(RAL 9010).</div> </div>                                                                                                                                                                           |

\* Featured products.

+ Warm-toned LED light sources (3000K or lower) must be selected to meet the International Dark-Sky Association dark sky requirements.

## CERTIFICATIONS

|                                                        |                                                     |             |
|--------------------------------------------------------|-----------------------------------------------------|-------------|
| SAFETY                                                 | Luminaires [UL 1598:2021 Ed.5]                      | Certified   |
| SAFETY                                                 | Luminaires [CSA C22.2 No. 250.0:2021 Ed.5]          | Certified   |
| FCC                                                    | FCC Part 15 Subpart B; ANSI C63.4a-2017             | Certified   |
| DIELECTRIC WITHSTAND AND ELECTRICAL TRANSIENT IMMUNITY | C136.2-2015: Clause 6, Clause 7, 7.1, 7.2, 7.3, 7.4 | Certified   |
| INGRESS PROTECTION                                     | Ingress protection                                  | IP65        |
| THD                                                    | Max. Total Harmonic Distortion (%)                  | 20          |
| IMPACT TEST                                            | Resistance to external mechanical impact test       | IK10        |
| SALINE MIST TEST                                       | Salt spray test to ISO 9227                         | 1,000 hours |
| RoHS COMPLIANCE                                        | European Directive 2011/65/EC                       | Certified   |

**SPECIFICATION**
**AL-160-VV-WW-VL-D-BZ (Two-Module)**

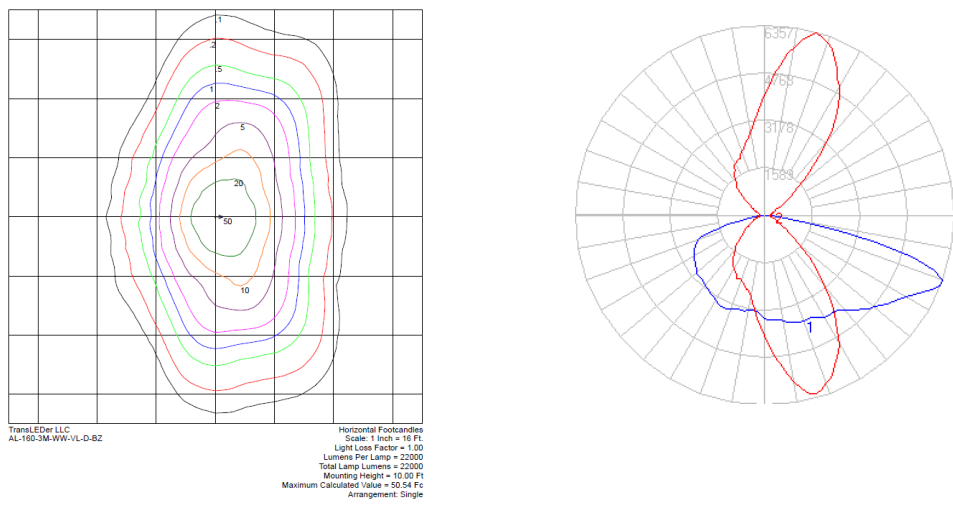
|                         |                                                                                                                                                                              |                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| VOLTAGE                 | Nominal luminaire input voltage range                                                                                                                                        | 120-277 V            |
| INPUT POWER             | Nominal luminaire input power                                                                                                                                                | 160.0 W ‡            |
| LUMINAIRE OUTPUT        | Nominal luminaire luminous flux output                                                                                                                                       | 22000 lm ‡           |
| EFFICACY                | Nominal luminaire efficacy                                                                                                                                                   | 137.5 lm/W ‡         |
| POWER FACTOR            | Min. power factor                                                                                                                                                            | 0.99 ‡               |
| LUMEN MAINTENANCE       | Min. % of the initial output at 100,000 hours operation                                                                                                                      | L95.8                |
| • L90                   | Estimated time reaching 90% of the initial luminous flux                                                                                                                     | > 102,000 hours      |
| • L80                   | Estimated time reaching 80% of the initial luminous flux                                                                                                                     | > 102,000 hours      |
| • L70                   | Estimated time reaching 70% of the initial luminous flux                                                                                                                     | > 102,000 hours      |
| LMF                     | Luminaire maintenance factor used for simulation                                                                                                                             | 0.80                 |
| CHROMATICITY SHIFT      | LED chromaticity shift at 7,000 hours operation                                                                                                                              | 0.0015 Δu'v'         |
| NOMINAL CCT             | Nominal correlated color temperature                                                                                                                                         | 3000 K               |
| CRI                     | Color Rendering Index                                                                                                                                                        | > 70                 |
| WEIGHT                  | Max. luminaire weight                                                                                                                                                        | 20.4 lbs.            |
| DIMENSION               | L x W x H                                                                                                                                                                    | 26.3" x 11.4" x 5.6" |
| SAIL AREA               | Max. effective sail area                                                                                                                                                     | 0.71 ft²             |
| TERMINAL BLOCK GAUGE    | 6-Way Screw Down Terminal Blocks Wire Gauges                                                                                                                                 | #14 AWG - #6 AWG     |
| PCR                     | Photoelectric Control Receptacle                                                                                                                                             | Toolless Rotatable   |
| OPTICAL DISTRIBUTION    | <input type="checkbox"/> Type II <input checked="" type="checkbox"/> Type III <input checked="" type="checkbox"/> Type IV <input checked="" type="checkbox"/> Type V         |                      |
| MOUNTING SLIP FITTER    | <input checked="" type="checkbox"/> Top-entry <input checked="" type="checkbox"/> Side-entry <input checked="" type="checkbox"/> Integral tilt (-10° to +10°)                |                      |
|                         | Nominal Pole Size (NPS)                                                                                                                                                      | 1.25"/2" NPS         |
| VIBRATION               | ANSI C136.31 <input type="checkbox"/> Level 1 (normal) <input checked="" type="checkbox"/> Level 2 (bridge/overpass)                                                         |                      |
| THERMAL ENVIRONMENT     | Typical min. ambient temperature during operation                                                                                                                            | -40 °C (-40 °F)      |
|                         | Typical max. ambient temperature during operation                                                                                                                            | +40 °C (+104 °F)     |
| SURGE PROTECTION DEVICE | ANSI C136.2 <input type="checkbox"/> Basic (6kV/3kA) <input checked="" type="checkbox"/> Enhanced (10kV/5kA) <input type="checkbox"/> Elevated, (20kV/10kA)                  |                      |
| CONTROL INTERFACE       | <input type="checkbox"/> None <input type="checkbox"/> ANSI C136.10 3-pin <input type="checkbox"/> ANSI C136.41 5-pin <input checked="" type="checkbox"/> ANSI C136.41 7-pin |                      |
| LED DRIVER              | <input type="checkbox"/> Not Dimmable <input type="checkbox"/> Dimmable, 0-10V (IEC 60929) <input checked="" type="checkbox"/> Dimmable DALI-2, D4i, NFC                     |                      |

‡ Values shown are subject to ±5% tolerance.

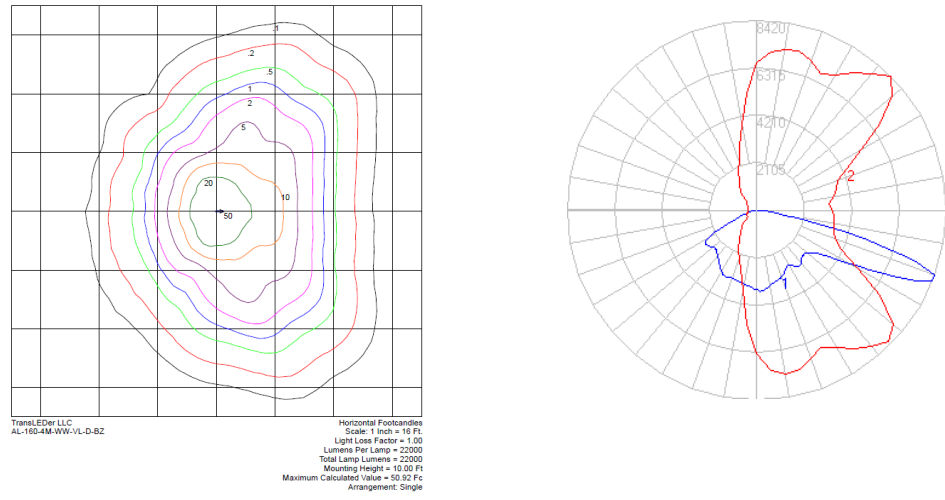


**PHOTOMETRY**

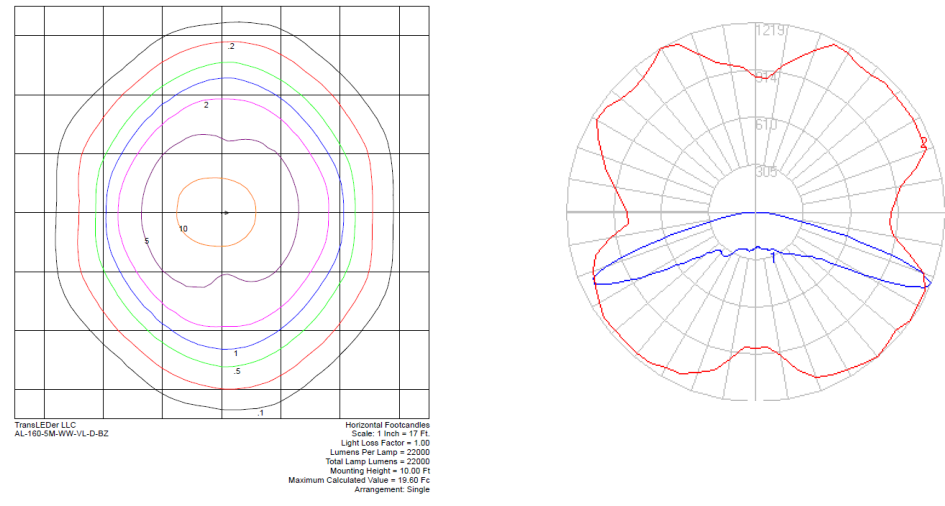
**Type III Medium Full Cutoff**



**Type IV Medium Full Cutoff**

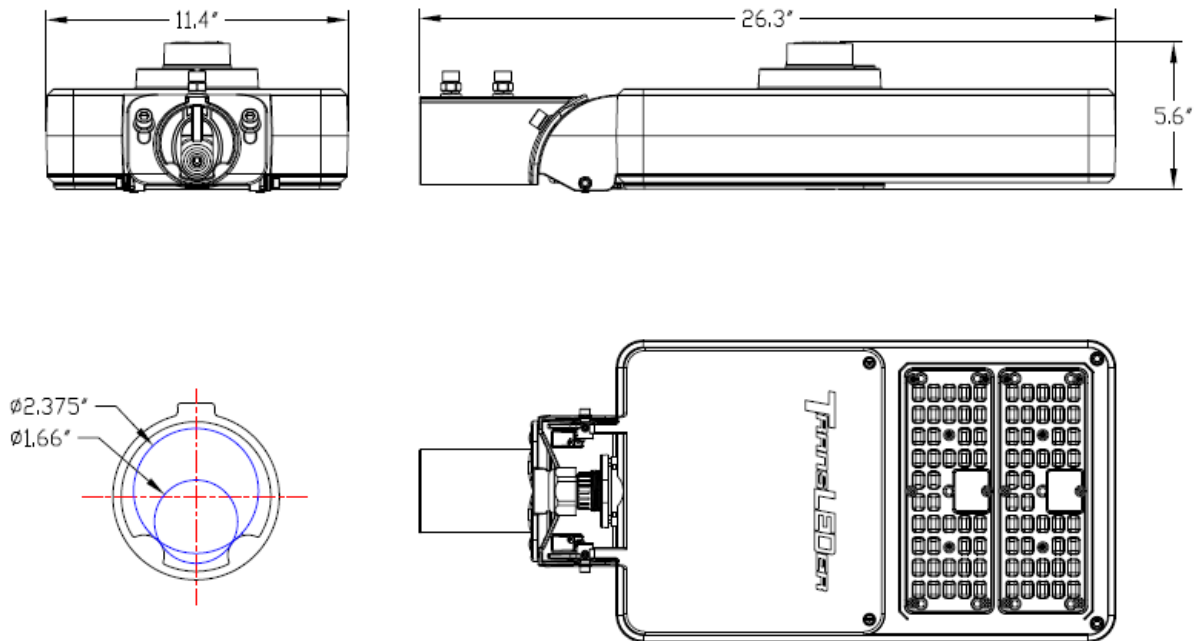


**Type V Medium Full Cutoff**



## DIMENSIONS

### 2-Module Model



## FEATURES

