

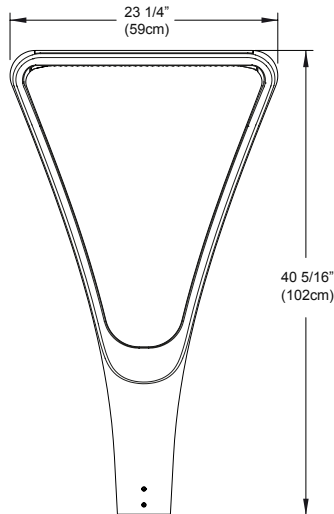
Project:

Qty:

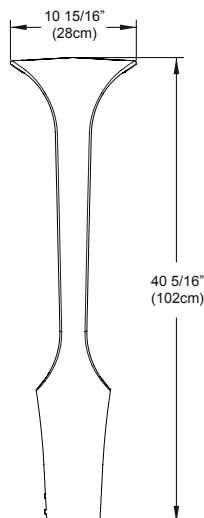
Luminaire:

Order:

Type:



**FRONT VIEW**



**SIDE VIEW**

**Base module:** Made from A356 aluminum cast monobloc including the (2) arms and base. The driver module is located inside the base along with the certification sticker. The base is self-leveling and secured in place with (2) 3/8-16 UNC set screws. It fits on a 4" (10cm) outside diameter by 3" (7cm) long tenon.

**Roof module:** Rectangular shape, made from A360 cast aluminum. It is mechanically secured to the base module. The roof also serves as a heat sink, making the fixture lightweight.

**Optical Module:** The cast A360 aluminum heat sink, which is part of the roof module, is designed to minimize the temperature of the LEDs, increasing their longevity and efficiency. The high efficiency Orion LED optical engine is mechanically assembled on the heat sink. The optical lenses are cured directly on the LED board and offer an IP66 ingress protection rating. The lifetime of the LEDs is 100,000 hours. It is based on the LM-80 test and extrapolated with TM-21. This data is calculated when 50% of the LEDs produce 70% of their initial luminous flux (L70). The minimum color rendering index (CRI) is 70. The optical lenses are made of acrylic and designed to illuminate only where needed while achieving excellent uniformity with maximum spacing. Produce 0% uplight. The combination of two distribution types (backward optics) is also available in the same optical module. Available with the No Lens (NL) option. A white decorative acrylic protection plate is mechanically assembled under the optical module. The available light distribution types are T1A, T1AHS, T2, T2HS, T2M, T2MHS, T3, T3HS, T3M, T3MHS, T4, T4HS, T5. The combination of two distribution types (backward optics) is also available in the same optical module as well as the integration of crosswalk optics (TCWR and TCWL) for pedestrian crossing.

**Driver Module:** Class 1 (P50 to P100) or Class 2 (P05 to P40). Primary tension is of 120 to 480VAC Volts, 50/60Hz, THD max 20% with a high-power factor of 90%. Operating temperature is -40°F (-40°C) to 131°F (55°C). The regulator offers an output of 0-10 Volts and is ROHS compliant. Assembled with pull-out connectors. Complete with 10kV/5kA or 20 kV/10kA tripolar surge protection for live-MALT, live-neutral and neutral-MALT lines according to IEEE/ANSI C62.41 2002 C.

**Wiring / Hardware:** Type TEWT 14-7 AWG, 12" (30.5cm) minimum exceeding luminaire. All electrical connections between the modules are provided with quick-disconnect connectors for easy maintenance. All outside accessible hardware is made of 304 stainless steel.

**Vibration Testing (1.5G):** Testing was successfully performed in accordance with the requirements of standard ANSI C136.31-2010 on the Valenza luminaire for normal applications

**Color:** All Cyclone colors are available in textured (TX) or smooth (SM) finish, unless otherwise specified. A durable polyester powder coating is applied and meets the AAMA 2604 requirements (5 years exposure to all weather conditions). The finish meets the ASTM G7, B117, D1654 and D2247 requirements relative to salt spray and humidity resistance. **Cyclone recommends the textured finish for this product.**

**cULus:** According to standard C22.2 / UL1598

**Warranty:** 5-year limited warranty. Complete warranty terms located at:  
[www.cyclonelighting.com/assets/Legal/Cyclone-Sales-TermsConditions-en.pdf](http://www.cyclonelighting.com/assets/Legal/Cyclone-Sales-TermsConditions-en.pdf)

EPA: 1.44 ft<sup>2</sup>

Weight: 37.2 lbs / 16.9 kg

Stamp/Approval:

Name:

Date:

Name:

Date:

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**Project:**
**Qty:**
**Luminaire:**

**Order:**
**Type:**

### Ordering Code

| Model  | Lens       | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Performance Package <sup>3</sup>                                                                                                                                                                                                                                                                              | CCT                                  | Volts                                                                                                                                  | Surge Protector                               |
|--------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| VALT4A | NL         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                               |                                      |                                                                                                                                        |                                               |
| VALT4A | NL No lens | <b>T1A</b> Type 1A<br><b>T1AHS</b> Type 1A with HS<br><b>T2</b> Type 2<br><b>T2HS</b> Type 2 with HS<br><b>T2M</b> Type 2M<br><b>T2MHS</b> Type 2M with HS<br><b>T3</b> Type 3<br><b>T3HS</b> Type 3 with HS<br><b>T3M</b> Type 3M<br><b>T3MHS</b> Type 3M with HS<br><b>T4</b> Type 4<br><b>T4HS</b> Type 4 with HS<br><b>T5</b> Type 5<br><b>TCWR</b> <sup>1</sup> Crosswalk right<br><b>TCWL</b> <sup>1</sup> Crosswalk left<br>BACKWARD OPTICS <sup>2</sup> | <b>P05</b> (2400lm)<br><b>P10</b> (3000lm)<br><b>P15</b> (3600lm)<br><b>P20</b> (4300lm)<br><b>P25</b> (5100lm)<br><b>P30</b> (5800lm)<br><b>P40</b> (7100lm)<br><b>P50</b> (8300lm)<br><b>P60</b> (10900lm)<br><b>P70</b> (13000lm)<br><b>P80</b> (15000lm)<br><b>P90</b> (18000lm)<br><b>P100</b> (20000lm) | <b>30K</b> 3000K<br><b>40K</b> 4000K | <b>MVOLT</b> 120-277VAC<br><b>HVOLT</b> 347-480VAC<br><b>120</b><br><b>208</b><br><b>240</b><br><b>277</b><br><b>347</b><br><b>480</b> | <b>10KV</b> 10kV/5kA<br><b>20KV</b> 20kV/10kA |

| Options                                                                                  |  | Options                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                               |  |                                                                         |  |
|------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|--|
| Adaptator                                                                                |  | Dimming                                                                                                                                                                                                                                                                          |  | Color                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | Texture                                                                                                                                                       |  | Pre-finish                                                              |  |
|                                                                                          |  |                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                               |  |                                                                         |  |
| <div>-</div> <div>Installs on a tenon of Ø 4" (10cm) X 3" (7.5cm) high</div>             |  | <div>-</div> <div><div><div>DIM</div><div>0-10 volts wire for external controls</div></div><div><div>PND506<sup>4</sup></div><div>Program 50% for 6 hours (11PM to 5AM)</div></div><div><div>PND508<sup>4</sup></div><div>Program 50% for 8 hours (9PM to 5AM)</div></div></div> |  | <div><div>BK</div><div>Black RAL9005</div></div> <div><div>DG</div><div>Dark green RAL6012</div></div> <div><div>MA</div><div>Marine blue RAL5013</div></div> <div><div>SI</div><div>Metallic silver RAL9006 (smooth only)</div></div> <div><div>BZ</div><div>Dark bronze RAL8019</div></div> <div><div>BG</div><div>Burgundy RAL3005</div></div> <div><div>GM</div><div>Moss green RAL6005</div></div> <div><div>PG</div><div>Pale grey RAL7040</div></div> <div><div>WH</div><div>White RAL9003</div></div> <div><div>SG<sup>5</sup></div><div>Steel Gray</div></div> <div><div>BKH<sup>6</sup></div><div>Black Holophane</div></div> <div><div>BZH<sup>6</sup></div><div>Dark bronze Holophane</div></div> <div><div>GNH<sup>6</sup></div><div>Green Holophane</div></div> <div><div>GHH<sup>6</sup></div><div>Graphite Holophane</div></div> <div><div>GRH<sup>6</sup></div><div>Gray Holophane</div></div> <div><div>SLH<sup>6</sup></div><div>Silver Holophane</div></div> <div><div>WHH<sup>6</sup></div><div>White Holophane</div></div> |  | <div><div>TX</div><div>Textured</div></div> <div><div>SM</div><div>Smooth</div></div> <div><div>SX<sup>7</sup></div><div>Textured, matt (Sandtex)</div></div> |  | <div>-</div> <div><div>MG</div><div>Marine grade pre-finish</div></div> |  |
| <div>R28</div> <div>Installs on a 4" (10cm) Ø to 2 7/8" (7cm) Ø x 3" (7.5cm) high</div>  |  |                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                               |  |                                                                         |  |
| <div>R30</div> <div>Installs on a 4" (10cm) Ø to 3" (7.5cm) Ø x 3" (7.5cm) high</div>    |  |                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                               |  |                                                                         |  |
| <div>R35</div> <div>Installs on a 4" (10cm) Ø to 3.5" (8.5cm) Ø x 3" (7.5cm) high</div>  |  |                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                               |  |                                                                         |  |
| <div>R238</div> <div>Installs on a 4" (10cm) Ø to 2 3/8" (6cm) Ø x 3" (7.5cm) high</div> |  |                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                               |  |                                                                         |  |

1 - Available only with a clear flat glass lens (FGC) or with the no lens (NL) option.

2 - Backward optic: The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

3 - Values shown represent the maximum lumen output, which may vary depending on the selected configuration or options.

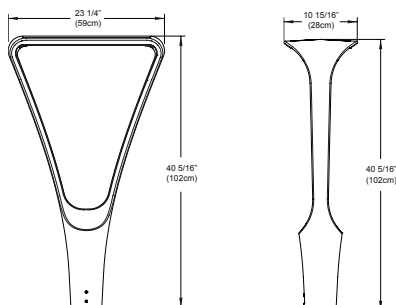
4 - Only one of the following options may be selected: SD, PND506, or PND508. These options cannot be combined.

5 - Available in SX finish only.

6 - Holophane colors are only available in Smooth (SM) finish.

7 - SX finish only available with SG color.

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.


**FRONT VIEW**
**SIDE VIEW**
**EPA: 1.44 ft²**
**Weight: 37.2 lbs / 16.9 kg**
**Stamp/Approval:**
**Name:**
**Date:**
**Name:**
**Date:**

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## Photometric Data Tables

Valenza - VALT4A - NL (No lens)

|                     |              | 3000K |              |                |          |   |       |              |                |          |   | 4000K |              |                |          |   |       |              |                |          |   | LLD @ 25C |           |           |            |
|---------------------|--------------|-------|--------------|----------------|----------|---|-------|--------------|----------------|----------|---|-------|--------------|----------------|----------|---|-------|--------------|----------------|----------|---|-----------|-----------|-----------|------------|
| Performance Package | Watts System | Optic | Lumen Output | Efficacy (LMW) |          |   | Optic | Lumen Output | Efficacy (LMW) |          |   | Optic | Lumen Output | Efficacy (LMW) |          |   | Optic | Lumen Output | Efficacy (LMW) |          |   | 25K Hours | 50K Hours | 75K Hours | 100K Hours |
|                     |              |       |              | B              | U        | G |       |              | B              | U        | G |       |              | B              | U        | G |       |              | B              | U        | G |           |           |           |            |
| P05                 | 20.1         | T1A   | 2105         | 105            | B1-U0-G1 |   | T1AHS | 1858         | 92             | B1-U0-G0 |   | T1A   | 2216         | 110            | B1-U0-G1 |   | T1AHS | 1956         | 97             | B1-U0-G0 |   | 0.98      | 0.98      | 0.97      | 0.97       |
|                     |              | T2    | 2253         | 112            | B0-U0-G1 |   | T2HS  | 1889         | 94             | B0-U0-G1 |   | T2    | 2371         | 118            | B0-U0-G1 |   | T2HS  | 1988         | 99             | B0-U0-G1 |   |           |           |           |            |
|                     |              | T2M   | 2260         | 112            | B1-U0-G1 |   | T2MHS | 1810         | 90             | B0-U0-G1 |   | T2M   | 2379         | 118            | B1-U0-G1 |   | T2MHS | 1905         | 95             | B0-U0-G1 |   |           |           |           |            |
|                     |              | T3    | 2214         | 110            | B0-U0-G1 |   | T3HS  | 1816         | 90             | B0-U0-G1 |   | T3    | 2331         | 116            | B0-U0-G1 |   | T3HS  | 1912         | 95             | B0-U0-G1 |   |           |           |           |            |
|                     |              | T3M   | 2036         | 101            | B1-U0-G1 |   | T3MHS | 1553         | 77             | B1-U0-G1 |   | T3M   | 2143         | 107            | B1-U0-G1 |   | T3MHS | 1634         | 81             | B1-U0-G1 |   |           |           |           |            |
|                     |              | T4    | 2299         | 114            | B0-U0-G1 |   | T4HS  | 1843         | 92             | B0-U0-G1 |   | T4    | 2420         | 120            | B0-U0-G1 |   | T4HS  | 1940         | 97             | B0-U0-G1 |   |           |           |           |            |
|                     |              | T5    | 2280         | 113            | B1-U0-G1 |   |       |              |                |          |   | T5    | 2400         | 119            | B1-U0-G1 |   |       |              |                |          |   |           |           |           |            |
| P10                 | 23.9         | TCWL  | 2062         | 103            | B1-U0-G0 |   | TCWR  | 2063         | 103            | B1-U0-G0 |   | TCWL  | 2170         | 108            | B1-U0-G0 |   | TCWR  | 2171         | 108            | B1-U0-G0 |   | 0.98      | 0.98      | 0.97      | 0.97       |
|                     |              | T1A   | 2681         | 112            | B1-U0-G1 |   | T1AHS | 2366         | 99             | B1-U0-G1 |   | T1A   | 2822         | 118            | B1-U0-G1 |   | T1AHS | 2491         | 104            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T2    | 2869         | 120            | B1-U0-G1 |   | T2HS  | 2406         | 101            | B0-U0-G1 |   | T2    | 3020         | 126            | B1-U0-G1 |   | T2HS  | 2532         | 106            | B0-U0-G1 |   |           |           |           |            |
|                     |              | T2M   | 2879         | 120            | B1-U0-G1 |   | T2MHS | 2305         | 96             | B1-U0-G1 |   | T2M   | 3030         | 127            | B1-U0-G1 |   | T2MHS | 2427         | 102            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T3    | 2820         | 118            | B1-U0-G1 |   | T3HS  | 2313         | 97             | B0-U0-G1 |   | T3    | 2968         | 124            | B1-U0-G1 |   | T3HS  | 2435         | 102            | B0-U0-G1 |   |           |           |           |            |
|                     |              | T3M   | 2593         | 108            | B1-U0-G1 |   | T3MHS | 1977         | 83             | B1-U0-G1 |   | T3M   | 2729         | 114            | B1-U0-G1 |   | T3MHS | 2082         | 87             | B1-U0-G1 |   |           |           |           |            |
|                     |              | T4    | 2929         | 123            | B1-U0-G2 |   | T4HS  | 2348         | 98             | B0-U0-G1 |   | T4    | 3083         | 129            | B1-U0-G2 |   | T4HS  | 2471         | 103            | B0-U0-G1 |   |           |           |           |            |
| P15                 | 29.1         | T5    | 2904         | 122            | B2-U0-G2 |   |       |              |                |          |   | T5    | 3057         | 128            | B2-U0-G2 |   |       |              |                |          |   | 0.98      | 0.98      | 0.97      | 0.97       |
|                     |              | TCWL  | 2626         | 110            | B1-U0-G0 |   | TCWR  | 2627         | 131            | B1-U0-G0 |   | TCWL  | 2764         | 116            | B1-U0-G0 |   | TCWR  | 2766         | 116            | B1-U0-G0 |   |           |           |           |            |
|                     |              | T1A   | 3246         | 112            | B1-U0-G1 |   | T1AHS | 2865         | 98             | B1-U0-G1 |   | T1A   | 3417         | 117            | B1-U0-G1 |   | T1AHS | 3016         | 104            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T2    | 3474         | 119            | B1-U0-G1 |   | T2HS  | 2913         | 100            | B0-U0-G1 |   | T2    | 3657         | 126            | B1-U0-G1 |   | T2HS  | 3066         | 105            | B0-U0-G1 |   |           |           |           |            |
|                     |              | T2M   | 3486         | 120            | B1-U0-G1 |   | T2MHS | 2792         | 96             | B1-U0-G1 |   | T2M   | 3669         | 126            | B1-U0-G1 |   | T2MHS | 2939         | 101            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T3    | 3415         | 117            | B1-U0-G1 |   | T3HS  | 2801         | 96             | B0-U0-G1 |   | T3    | 3595         | 124            | B1-U0-G1 |   | T3HS  | 2949         | 101            | B0-U0-G1 |   |           |           |           |            |
|                     |              | T3M   | 3140         | 108            | B1-U0-G1 |   | T3MHS | 2395         | 82             | B1-U0-G1 |   | T3M   | 3305         | 114            | B1-U0-G1 |   | T3MHS | 2521         | 87             | B1-U0-G1 |   |           |           |           |            |
| P20                 | 34.4         | T4    | 3546         | 122            | B1-U0-G2 |   | T4HS  | 2843         | 98             | B0-U0-G1 |   | T4    | 3733         | 128            | B1-U0-G2 |   | T4HS  | 2992         | 103            | B0-U0-G1 |   | 0.98      | 0.98      | 0.97      | 0.97       |
|                     |              | T5    | 3517         | 121            | B2-U0-G2 |   |       |              |                |          |   | T5    | 3702         | 127            | B2-U0-G2 |   |       |              |                |          |   |           |           |           |            |
|                     |              | TCWL  | 3180         | 109            | B1-U0-G0 |   | TCWR  | 3182         | 109            | B1-U0-G0 |   | TCWL  | 3347         | 115            | B1-U0-G0 |   | TCWR  | 3349         | 115            | B1-U0-G0 |   |           |           |           |            |
|                     |              | T1A   | 3915         | 114            | B1-U0-G1 |   | T1AHS | 3455         | 100            | B1-U0-G1 |   | T1A   | 4121         | 120            | B1-U0-G1 |   | T1AHS | 3637         | 106            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T2    | 4190         | 122            | B1-U0-G1 |   | T2HS  | 3513         | 102            | B0-U0-G1 |   | T2    | 4410         | 128            | B1-U0-G1 |   | T2HS  | 3698         | 108            | B0-U0-G1 |   |           |           |           |            |
|                     |              | T2M   | 4203         | 122            | B1-U0-G1 |   | T2MHS | 3366         | 98             | B1-U0-G1 |   | T2M   | 4425         | 129            | B1-U0-G1 |   | T2MHS | 3543         | 103            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T3    | 4118         | 120            | B1-U0-G1 |   | T3HS  | 3378         | 98             | B0-U0-G1 |   | T3    | 4335         | 126            | B1-U0-G1 |   | T3HS  | 3556         | 103            | B0-U0-G1 |   |           |           |           |            |
| P25                 | 39.5         | T3M   | 3786         | 110            | B1-U0-G1 |   | T3MHS | 2887         | 84             | B1-U0-G1 |   | T3M   | 3986         | 116            | B1-U0-G1 |   | T3MHS | 3039         | 88             | B1-U0-G1 |   | 0.98      | 0.98      | 0.97      | 0.97       |
|                     |              | T4    | 4276         | 124            | B1-U0-G2 |   | T4HS  | 3428         | 100            | B0-U0-G1 |   | T4    | 4502         | 131            | B1-U0-G2 |   | T4HS  | 3608         | 105            | B0-U0-G2 |   |           |           |           |            |
|                     |              | T5    | 4241         | 123            | B2-U0-G2 |   |       |              |                |          |   | T5    | 4464         | 130            | B2-U0-G2 |   |       |              |                |          |   |           |           |           |            |
|                     |              | TCWL  | 3834         | 111            | B1-U0-G0 |   | TCWR  | 3837         | 112            | B1-U0-G0 |   | TCWL  | 4036         | 117            | B1-U0-G0 |   | TCWR  | 4039         | 117            | B1-U0-G0 |   |           |           |           |            |
|                     |              | T1A   | 4600         | 116            | B1-U0-G1 |   | T1AHS | 4060         | 103            | B1-U0-G1 |   | T1A   | 4842         | 123            | B1-U0-G1 |   | T1AHS | 4274         | 108            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T2    | 4923         | 125            | B1-U0-G1 |   | T2HS  | 4127         | 104            | B1-U0-G1 |   | T2    | 5182         | 131            | B1-U0-G1 |   | T2HS  | 4345         | 110            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T2M   | 4939         | 125            | B1-U0-G1 |   | T2MHS | 3955         | 100            | B1-U0-G1 |   | T2M   | 5199         | 132            | B1-U0-G1 |   | T2MHS | 4163         | 105            | B1-U0-G1 |   |           |           |           |            |
| P30                 | 45.9         | T3    | 4838         | 122            | B1-U0-G2 |   | T3HS  | 3969         | 100            | B1-U0-G1 |   | T3    | 5093         | 129            | B1-U0-G2 |   | T3HS  | 4178         | 106            | B1-U0-G1 |   | 0.98      | 0.98      | 0.97      | 0.97       |
|                     |              | T3M   | 4449         | 113            | B1-U0-G1 |   | T3MHS | 3393         | 86             | B1-U0-G1 |   | T3M   | 4683         | 119            | B1-U0-G2 |   | T3MHS | 3571         | 90             | B1-U0-G1 |   |           |           |           |            |
|                     |              | T4    | 5025         | 127            | B1-U0-G2 |   | T4HS  | 4028         | 102            | B0-U0-G2 |   | T4    | 5289         | 134            | B1-U0-G2 |   | T4HS  | 4240         | 107            | B0-U0-G2 |   |           |           |           |            |
|                     |              | T5    | 4983         | 126            | B2-U0-G2 |   |       |              |                |          |   | T5    | 5245         | 133            | B3-U0-G3 |   |       |              |                |          |   |           |           |           |            |
|                     |              | TCWL  | 4505         | 114            | B1-U0-G0 |   | TCWR  | 4508         | 114            | B1-U0-G0 |   | TCWL  | 4742         | 120            | B1-U0-G0 |   | TCWR  | 4745         | 120            | B1-U0-G0 |   |           |           |           |            |
|                     |              | T1A   | 5238         | 114            | B1-U0-G1 |   | T1AHS | 4623         | 101            | B1-U0-G1 |   | T1A   | 5514         | 120            | B1-U0-G1 |   | T1AHS | 4867         | 106            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T2    | 5606         | 122            | B1-U0-G1 |   | T2HS  | 4700         | 102            | B1-U0-G1 |   | T2    | 5901         | 129            | B1-U0-G1 |   | T2HS  | 4948         | 108            | B1-U0-G1 |   |           |           |           |            |
| P40                 | 54.9         | T2M   | 5624         | 123            | B1-U0-G1 |   | T2MHS | 4504         | 98             | B1-U0-G1 |   | T2M   | 5920         | 129            | B1-U0-G1 |   | T2MHS | 4741         | 103            | B1-U0-G1 |   | 0.98      | 0.98      | 0.97      | 0.97       |
|                     |              | T3    | 5510         | 120            | B1-U0-G2 |   | T3HS  | 4520         | 98             | B1-U0-G1 |   | T3    | 5800         | 126            | B1-U0-G2 |   | T3HS  | 4758         | 104            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T3M   | 5066         | 110            | B1-U0-G2 |   | T3MHS | 3864         | 84             | B1-U0-G1 |   | T3M   | 5333         | 116            | B1-U0-G2 |   | T3MHS | 4067         | 89             | B1-U0-G1 |   |           |           |           |            |
|                     |              | T4    | 5722         | 125            | B1-U0-G2 |   | T4HS  | 4587         | 100            | B0-U0-G2 |   | T4    | 6023         | 131            | B1-U0-G2 |   | T4HS  | 4828         | 105            | B1-U0-G2 |   |           |           |           |            |
|                     |              | T5    | 5674         | 124            | B3-U0-G3 |   |       |              |                |          |   | T5    | 5973         | 130            | B3-U0-G3 |   |       |              |                |          |   |           |           |           |            |
|                     |              | TCWL  | 5131         | 112            | B1-U0-G1 |   | TCWR  | 5134         | 112            | B1-U0-G1 |   | TCWL  | 5401         | 118            | B1-U0-G1 |   | TCWR  | 5404         | 118            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T1A   | 6396         | 117            | B2-U0-G1 |   | T1AHS | 5646         | 103            | B2-U0-G1 |   | T1A   | 6733         | 123            | B2-U0-G1 |   | T1AHS | 5943         | 108            | B2-U0-G1 |   | 0.98      | 0.98      | 0.97      | 0.97       |
| P40                 | 54.9         | T2    | 6845         | 125            | B1-U0-G1 |   | T2HS  | 5740         | 105            | B1-U0-G1 |   | T2    | 7206         | 131            | B1-U0-G2 |   | T2HS  | 6042         | 110            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T2M   | 6868         | 125            | B1-U0-G2 |   | T2MHS | 5500         | 100            | B1-U0-G1 |   | T2M   | 7230         | 132            | B1-U0-G2 |   | T2MHS | 5790         | 105            | B1-U0-G1 |   |           |           |           |            |
|                     |              | T3    | 6728         | 123            | B1-U0-G2 |   | T3HS  | 5519         | 101            | B1-U0-G2 |   | T3    | 7082         | 129            | B1-U0-G2 |   | T3HS  | 5810         | 106            | B1-U0-G2 |   |           |           |           |            |
|                     |              | T3M   | 6186         | 113            | B2-U0-G2 |   | T3MHS | 4718         | 86             | B1-U0-G1 |   | T3M   | 6512         | 119            | B2-U0-G2 |   | T3MHS | 4966         | 90             | B1-U0-G1 |   |           |           |           |            |
|                     |              | T4    | 6987         | 127            | B1-U0-G3 |   | T4HS  | 5601         | 102            | B1-U0-G2 |   | T4    | 7355         | 134            | B1-U0-G3 |   | T4HS  | 5896         | 107            | B1-U0-G2 |   |           |           |           |            |
|                     |              | T5    | 6929         |                |          |   |       |              |                |          |   |       |              |                |          |   |       |              |                |          |   |           |           |           |            |



## Photometric Data Tables

Valenza - VALT4A - NL (No lens)

|                     |              | 3000K |              |                 |          |   |       |              |                 |          |   |       |              | 4000K           |          |   |       |              |                 |          |   |       |              |                 |  | LLD @ 25C |           |           |           |            |  |
|---------------------|--------------|-------|--------------|-----------------|----------|---|-------|--------------|-----------------|----------|---|-------|--------------|-----------------|----------|---|-------|--------------|-----------------|----------|---|-------|--------------|-----------------|--|-----------|-----------|-----------|-----------|------------|--|
| Performance Package | Watts System | Optic | Lumen Output | Efficacy (LM/W) |          |   | Optic | Lumen Output | Efficacy (LM/W) |          |   | Optic | Lumen Output | Efficacy (LM/W) |          |   | Optic | Lumen Output | Efficacy (LM/W) |          |   | Optic | Lumen Output | Efficacy (LM/W) |  |           | 25K Hours | 50K Hours | 75K Hours | 100K Hours |  |
|                     |              |       |              | B               | U        | G |       |              | B               | U        | G | B     |              | U               | G        | B | U     |              | G               | B        | U | G     |              |                 |  |           |           |           |           |            |  |
| P50                 | 66.7         | T1A   | 7554         | 113             | B2-U0-G2 |   | T1AHS | 6625         | 99              | B2-U0-G1 |   | T1A   | 7951         | 119             | B2-U0-G2 |   | T1AHS | 6973         | 105             | B2-U0-G1 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2    | 7783         | 117             | B1-U0-G1 |   | T2HS  | 6552         | 98              | B1-U0-G1 |   | T2    | 8192         | 123             | B1-U0-G2 |   | T2HS  | 6897         | 103             | B1-U0-G1 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2M   | 7907         | 119             | B2-U0-G1 |   | T2MHS | 6253         | 94              | B1-U0-G1 |   | T2M   | 8323         | 125             | B2-U0-G2 |   | T2MHS | 6582         | 99              | B1-U0-G1 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3    | 7731         | 116             | B1-U0-G2 |   | T3HS  | 6227         | 93              | B1-U0-G2 |   | T3    | 8138         | 122             | B1-U0-G2 |   | T3HS  | 6555         | 98              | B1-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3M   | 7411         | 111             | B2-U0-G2 |   | T3MHS | 5567         | 83              | B1-U0-G1 |   | T3M   | 7801         | 117             | B2-U0-G2 |   | T3MHS | 5860         | 88              | B1-U0-G1 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T4    | 8079         | 121             | B1-U0-G3 |   | T4HS  | 6199         | 93              | B1-U0-G2 |   | T4    | 8505         | 128             | B1-U0-G3 |   | T4HS  | 6525         | 98              | B1-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T5    | 8473         | 127             | B3-U0-G3 |   |       |              |                 |          |   | T5    | 8919         | 134             | B3-U0-G3 |   |       |              |                 |          |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | TCWL  | 8060         | 121             | B1-U0-G1 |   | TCWR  | 8058         | 121             | B1-U0-G1 |   | TCWL  | 8484         | 127             | B1-U0-G1 |   | TCWR  | 8482         | 127             | B1-U0-G1 |   |       |              |                 |  |           |           |           |           |            |  |
| P60                 | 86.8         | T1A   | 9882         | 114             | B3-U0-G2 |   | T1AHS | 8666         | 100             | B3-U0-G1 |   | T1A   | 10402        | 120             | B3-U0-G2 |   | T1AHS | 9123         | 105             | B3-U0-G1 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2    | 10182        | 117             | B2-U0-G2 |   | T2HS  | 8572         | 99              | B1-U0-G2 |   | T2    | 10717        | 123             | B2-U0-G2 |   | T2HS  | 9023         | 104             | B1-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2M   | 10344        | 119             | B2-U0-G2 |   | T2MHS | 8181         | 94              | B2-U0-G1 |   | T2M   | 10888        | 125             | B2-U0-G2 |   | T2MHS | 8611         | 99              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3    | 10114        | 117             | B2-U0-G2 |   | T3HS  | 8147         | 94              | B1-U0-G2 |   | T3    | 10646        | 123             | B2-U0-G2 |   | T3HS  | 8576         | 99              | B1-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3M   | 9696         | 112             | B2-U0-G2 |   | T3MHS | 7283         | 84              | B2-U0-G2 |   | T3M   | 10206        | 118             | B2-U0-G2 |   | T3MHS | 7666         | 88              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T4    | 10570        | 122             | B2-U0-G3 |   | T4HS  | 8110         | 93              | B1-U0-G2 |   | T4    | 11126        | 128             | B2-U0-G3 |   | T4HS  | 8537         | 98              | B1-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T5    | 11084        | 128             | B3-U0-G3 |   |       |              |                 |          |   | T5    | 11668        | 134             | B4-U0-G4 |   |       |              |                 |          |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | TCWL  | 10544        | 121             | B1-U0-G1 |   | TCWR  | 10542        | 121             | B1-U0-G1 |   | TCWL  | 11099        | 128             | B2-U0-G1 |   | TCWR  | 11097        | 128             | B2-U0-G1 |   |       |              |                 |  |           |           |           |           |            |  |
| P70                 | 107.1        | T1A   | 11620        | 108             | B3-U0-G2 |   | T1AHS | 10191        | 95              | B3-U0-G1 |   | T1A   | 12232        | 114             | B3-U0-G2 |   | T1AHS | 10727        | 100             | B3-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2    | 11972        | 112             | B2-U0-G2 |   | T2HS  | 10080        | 94              | B1-U0-G2 |   | T2    | 12603        | 118             | B2-U0-G2 |   | T2HS  | 10610        | 99              | B1-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2M   | 12163        | 114             | B2-U0-G2 |   | T2MHS | 9620         | 90              | B2-U0-G2 |   | T2M   | 12803        | 120             | B2-U0-G2 |   | T2MHS | 10126        | 95              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3    | 11893        | 111             | B2-U0-G2 |   | T3HS  | 9580         | 89              | B1-U0-G2 |   | T3    | 12519        | 117             | B2-U0-G2 |   | T3HS  | 10084        | 94              | B1-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3M   | 11401        | 106             | B2-U0-G3 |   | T3MHS | 8564         | 80              | B2-U0-G2 |   | T3M   | 12001        | 112             | B2-U0-G3 |   | T3MHS | 9015         | 84              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T4    | 12429        | 116             | B2-U0-G3 |   | T4HS  | 9536         | 89              | B1-U0-G3 |   | T4    | 13083        | 122             | B2-U0-G3 |   | T4HS  | 10038        | 94              | B1-U0-G3 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T5    | 13034        | 122             | B4-U0-G4 |   |       |              |                 |          |   | T5    | 13720        | 128             | B4-U0-G4 |   |       |              |                 |          |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | TCWL  | 12399        | 116             | B2-U0-G1 |   | TCWR  | 12396        | 116             | B2-U0-G1 |   | TCWL  | 13051        | 122             | B2-U0-G1 |   | TCWR  | 13049        | 122             | B2-U0-G1 |   |       |              |                 |  |           |           |           |           |            |  |
| P80                 | 124.3        | T1A   | 13568        | 109             | B3-U0-G2 |   | T1AHS | 11899        | 96              | B3-U0-G2 |   | T1A   | 14282        | 115             | B3-U0-G3 |   | T1AHS | 12525        | 101             | B3-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2    | 13979        | 112             | B2-U0-G2 |   | T2HS  | 11770        | 95              | B1-U0-G2 |   | T2    | 14715        | 118             | B2-U0-G2 |   | T2HS  | 12389        | 100             | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2M   | 14202        | 114             | B2-U0-G2 |   | T2MHS | 11232        | 90              | B2-U0-G2 |   | T2M   | 14950        | 120             | B2-U0-G2 |   | T2MHS | 11823        | 95              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3    | 13886        | 112             | B2-U0-G3 |   | T3HS  | 11186        | 90              | B1-U0-G2 |   | T3    | 14617        | 118             | B2-U0-G3 |   | T3HS  | 11774        | 95              | B1-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3M   | 13312        | 107             | B2-U0-G3 |   | T3MHS | 10000        | 80              | B2-U0-G2 |   | T3M   | 14013        | 113             | B2-U0-G3 |   | T3MHS | 10526        | 85              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T4    | 14512        | 117             | B2-U0-G3 |   | T4HS  | 11135        | 90              | B1-U0-G3 |   | T4    | 15276        | 123             | B2-U0-G4 |   | T4HS  | 11721        | 94              | B1-U0-G3 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T5    | 15219        | 122             | B4-U0-G4 |   |       |              |                 |          |   | T5    | 16020        | 129             | B4-U0-G4 |   |       |              |                 |          |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | TCWL  | 14477        | 116             | B2-U0-G1 |   | TCWR  | 14474        | 116             | B2-U0-G1 |   | TCWL  | 15239        | 123             | B2-U0-G1 |   | TCWR  | 15236        | 123             | B2-U0-G1 |   |       |              |                 |  |           |           |           |           |            |  |
| P90                 | 147.4        | T1A   | 15551        | 106             | B3-U0-G3 |   | T1AHS | 13638        | 93              | B3-U0-G2 |   | T1A   | 16369        | 111             | B3-U0-G3 |   | T1AHS | 14356        | 97              | B3-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2    | 16022        | 109             | B2-U0-G2 |   | T2HS  | 13490        | 92              | B2-U0-G2 |   | T2    | 16866        | 114             | B2-U0-G2 |   | T2HS  | 14200        | 96              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2M   | 16278        | 110             | B3-U0-G2 |   | T2MHS | 12874        | 87              | B2-U0-G2 |   | T2M   | 17135        | 116             | B3-U0-G3 |   | T2MHS | 13551        | 92              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3    | 15916        | 108             | B2-U0-G3 |   | T3HS  | 12821        | 87              | B2-U0-G2 |   | T3    | 16753        | 114             | B2-U0-G3 |   | T3HS  | 13495        | 92              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3M   | 15258        | 104             | B3-U0-G3 |   | T3MHS | 11461        | 78              | B2-U0-G2 |   | T3M   | 16061        | 109             | B3-U0-G3 |   | T3MHS | 12064        | 82              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T4    | 16633        | 113             | B2-U0-G4 |   | T4HS  | 12762        | 87              | B1-U0-G3 |   | T4    | 17509        | 119             | B2-U0-G4 |   | T4HS  | 13434        | 91              | B1-U0-G3 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T5    | 17443        | 118             | B4-U0-G4 |   |       |              |                 |          |   | T5    | 18361        | 125             | B4-U0-G4 |   |       |              |                 |          |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | TCWL  | 16593        | 113             | B2-U0-G1 |   | TCWR  | 16590        | 113             | B2-U0-G1 |   | TCWL  | 17466        | 118             | B2-U0-G1 |   | TCWR  | 17463        | 118             | B2-U0-G1 |   |       |              |                 |  |           |           |           |           |            |  |
| P100                | 166          | T1A   | 17382        | 105             | B3-U0-G3 |   | T1AHS | 15244        | 92              | B3-U0-G2 |   | T1A   | 18297        | 110             | B3-U0-G3 |   | T1AHS | 16047        | 97              | B3-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2    | 17909        | 108             | B2-U0-G2 |   | T2HS  | 15078        | 91              | B2-U0-G2 |   | T2    | 18852        | 114             | B2-U0-G3 |   | T2HS  | 15872        | 96              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T2M   | 18195        | 110             | B3-U0-G3 |   | T2MHS | 14390        | 87              | B2-U0-G2 |   | T2M   | 19152        | 115             | B3-U0-G3 |   | T2MHS | 15147        | 91              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3    | 17790        | 107             | B2-U0-G3 |   | T3HS  | 14330        | 86              | B2-U0-G2 |   | T3    | 18726        | 113             | B2-U0-G3 |   | T3HS  | 15085        | 91              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T3M   | 17055        | 103             | B3-U0-G3 |   | T3MHS | 12811        | 77              | B2-U0-G2 |   | T3M   | 17952        | 108             | B3-U0-G3 |   | T3MHS | 13485        | 81              | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T4    | 18592        | 112             | B2-U0-G4 |   | T4HS  | 14265        | 86              | B1-U0-G3 |   | T4    | 19571        | 118             | B2-U0-G4 |   | T4HS  | 15016        | 90              | B1-U0-G3 |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | T5    | 19497        | 117             | B4-U0-G4 |   |       |              |                 |          |   | T5    | 20523        | 124             | B4-U0-G4 |   |       |              |                 |          |   |       |              |                 |  |           |           |           |           |            |  |
|                     |              | TCWL  | 18547        | 112             | B2-U0-G2 |   | TCWR  | 18543        | 112             | B2-U0-G2 |   | TCWL  | 19523        | 118             | B2-U0-G2 |   | TCWR  | 19519        | 118             | B2-U0-G2 |   |       |              |                 |  |           |           |           |           |            |  |

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25°C.

Specifications subject to change without notice.

| Lumen ratio for different CCT |               |               |               |               |
|-------------------------------|---------------|---------------|---------------|---------------|
| PC Amber<br>0.6               | 2200K<br>0.75 | 2700K<br>0.95 | 3000K<br>0.95 | 4000K<br>1.00 |