

# Valiant™ Full Cutoff LED

## Series AVPCL2

### PRODUCT OVERVIEW



#### Features:

- Colonial LED lantern, replaces HID models up to 150W HPS for street and area lighting applications
- Eleven (11) LED performance packages deliver just the right amount of light for any given application up to 12,000 lumens
- Available in color temperature choices of 2700K, 3000K, 4000K, and 5000K
- Designed for up-light restrictive applications, AVPCL2 has zero up-light
- Four (4) distinct light distribution options provide design flexibility, available in Type II, Type III, Type IV, and Type V
- Die-cast aluminum housing, engineered for sturdy life-long performance
- Die-cast aluminum hood features a trigger latch (TL) option and captive thumb screws for fast, easy electrical and optical chamber access
- Standard black finish is textured / matte - all other finishes are smooth / gloss.
- Housing is tenon pole-mounted and designed for use with a 3" tall by 2-3/8" to 3" diameter tenon, and secured by three set screws.
- Rated L70, LED life greater than 100,000 hours at 25°C
- Complies with ANSI: C136.2, C136.10, C136.15
- CSA listed and suitable for up to 40°C ambient
- Surge protection device (standard) exceeds ANSI/IEEE C62.41-2002 Category C High (10kV/10kA) and ANSI C136.2-2015 Enhanced (10kV/5kA). 20KV Option exceeds ANSI/IEEE C62.41-2002 Category C High (10kV/10kA) and ANSI C136.2-2015 Extreme (20kV/10kA)
- Equipped with LED electronic 0-10V dimmable driver

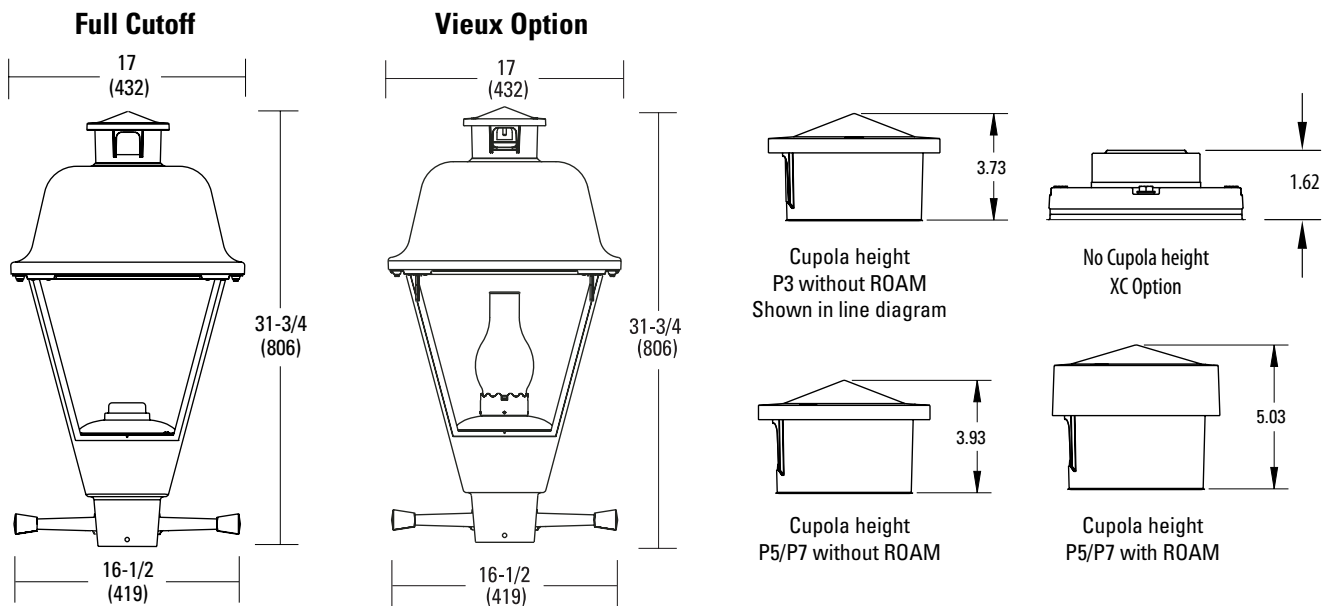
#### Applications:

Streetscapes  
Walkways  
Pathways  
Parks



IP66 Optics

### DIMENSIONS



#### Effective Projected Area (EPA)

The EPA for the AVPCL2 is 1.4 sq. ft.  
The EPA for the AVPCL2 Vieux is 2.4 sq. ft.  
P5 or P7 option total height is 33.1 (841).  
Approx. Wt. = 38 lbs.

All dimensions are inches (millimeters) unless otherwise noted.

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### ORDERING INFORMATION

Example: AVPCL2 30LEDE10 MVOLT 4K R3

| Series        |                         | Performance Package |             | Voltage          |           | Color Temperature (CCT) |            |       |
|---------------|-------------------------|---------------------|-------------|------------------|-----------|-------------------------|------------|-------|
| <b>AVPCL2</b> | Valiant Full Cutoff LED | <b>Package</b>      | Input Watts | Lumens (nominal) | <b>AS</b> | 120-277v                | <b>27K</b> | 2700K |
|               |                         | <b>P10</b>          | 24          | 2,600            | <b>AH</b> | 347V; 480V              | <b>30K</b> | 3000K |
|               |                         | <b>P15</b>          | 34          | 3,500            |           |                         | <b>40K</b> | 4000K |
|               |                         | <b>P20</b>          | 41          | 4,000            |           |                         | <b>50K</b> | 5000K |
|               |                         | <b>P25</b>          | 52          | 4,700            |           |                         |            |       |
|               |                         | <b>P30</b>          | 46          | 5,200            |           |                         |            |       |
|               |                         | <b>P35</b>          | 65          | 6,900            |           |                         |            |       |
|               |                         | <b>P40</b>          | 78          | 7,800            |           |                         |            |       |
|               |                         | <b>P45</b>          | 98          | 9,000            |           |                         |            |       |
|               |                         | <b>P50</b>          | 66          | 7,900            |           |                         |            |       |
|               |                         | <b>P55</b>          | 96          | 10,400           |           |                         |            |       |
|               |                         | <b>P60</b>          | 111         | 11,900           |           |                         |            |       |

| Distribution       | Options   |
|--------------------|---|
| <b>R2</b> Type II  | <b>Paint</b> <sup>1</sup>                         |
| <b>R3</b> Type III | <b>(blank)</b> Black (standard), textured / matte |
| <b>R4</b> Type IV  | <b>GY</b> Gray, smooth / gloss                    |
| <b>R5</b> Type V   | <b>DDB</b> Dark Bronze, smooth / gloss            |
|                    | <b>WH</b> White, smooth / gloss                   |
|                    | <b>BZ</b> Bronze, smooth / gloss                  |

#### Controls

|                              |   |
|------------------------------|---|
| <b>(blank)</b>               | 3 pin NEMA photocontrol (standard)                  |
| <b>NR</b>                    | No photocontrol receptacle                          |
| <b>P7</b>                    | 7 pin NEMA photocontrol                             |
| <b>PCLL</b> <sup>3,4</sup>   | Solid state long life photocontrol                  |
| <b>P34</b> <sup>3,4</sup>    | Solid state long life photocontrol, 347 Volt only   |
| <b>P48</b> <sup>3,4</sup>    | Solid state long life photocontrol, 480 Volt only   |
| <b>PCSS</b> <sup>3,4,7</sup> | Solid state photocontrol, 120-277V (not CSA Listed) |
| <b>A0</b>                    | Field adjustable output module                      |
| <b>DALI</b>                  | DALI driver (special request)                       |
| <b>PND</b>                   | Part night dimming                                  |
| <b>SH</b>                    | Shorting cap  |
| <b>SHX</b> <sup>7</sup>      | Shorting cap (not CSA listed)                       |

#### Miscellaneous

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>SS</b>                 | Stainless steel hardware          |
| <b>TL</b>                 | Tool-less latch                   |
| <b>NL1X1</b>              | 1" x 1" NEMA label                |
| <b>NL2X2</b>              | 2" x 2" NEMA label                |
| <b>XL</b>                 | Not CSA Listed                    |
| <b>LDR</b> <sup>5</sup>   | Ladder Rest                       |
| <b>RCC</b> <sup>6,8</sup> | ROAM Cupola Cap                   |
| <b>XC</b> <sup>8</sup>    | No Cupola                         |
| <b>CR</b>                 | Epoxy Pre-Coat Finish             |
| <b>20kV</b>               | 20kV/10kA surge protection device |
| <b>FPDxx</b>              | Factory programmed driver         |
| <b>VX</b> <sup>9</sup>    | Vieux Option                      |
| <b>VXCA</b> <sup>9</sup>  | VX option with Clear Acrylic lens |

#### House-Side Shields

|            |                   |
|------------|-------------------|
| <b>HSS</b> | House Side Shield |
|------------|-------------------|

#### Prewired leads

|            |                     |
|------------|---------------------|
| <b>L1H</b> | 1ft prewired leads  |
| <b>L03</b> | 3ft prewired leads  |
| <b>L10</b> | 10ft prewired leads |
| <b>L20</b> | 20ft prewired leads |
| <b>L25</b> | 25ft prewired leads |
| <b>L30</b> | 30ft prewired leads |

#### Accessory

House Side Shield shipped separately and installed in the field

|                        |                                      |
|------------------------|--------------------------------------|
| <b>AVPCL2FHSSLEM10</b> | AVPCL2 HSS for P10 / P15 / P20 / P25 |
| <b>AVPCL2FHSSLEM20</b> | AVPCL2 HSS for P30 / P35 / P40 / P45 |
| <b>AVPCL2FHSSLEM30</b> | AVPCL2 HSS for P50 / P55 / P60       |

Note: Check the OPTIONS MATRIX on Page 3 for compatibility & restrictions



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**Warranty** Five-year limited warranty. Complete warranty terms located at:  
[www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)  
 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.

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### OPTIONS MATRIX

| Parameters           |       | Distribution Options |    |    |    | Surge |      | Receptacle |    |    | Photocontrols |      |     |     |    | Dimming |   |     |    |
|----------------------|-------|----------------------|----|----|----|-------|------|------------|----|----|---------------|------|-----|-----|----|---------|---|-----|----|
|                      |       | R2                   | R3 | R4 | R5 | -     | 20KV | -          | NR | P7 | PCLL          | PCSS | P34 | P48 | SH | SHX     | - | PND | AO |
| AS                   | P10   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | N    | N   | Y   | Y  | Y       | Y | Y   | N  |
|                      | P15   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | N    | N   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | P20   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | N    | N   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | P25   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | N    | N   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | P30   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | N    | N   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | P35   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | N    | N   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | P40   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | N    | N   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | P45   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | N    | N   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | P50   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | N    | N   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | P55   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | N    | N   | Y   | Y  | Y       | Y | Y   | Y  |
| AH                   | P60   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | P10   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | P15   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | P20   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | P25   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | P30   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | P35   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | P40   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | P45   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | P50   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | N  |
| Color Temperature    | P55   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | P60   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | N             | N    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | 27K   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | 30K   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
| Distribution Options | 40K   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | 50K   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | R2    |                      | N  | N  | N  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | R3    | N                    |    | N  | N  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
| Surge                | R4    | N                    | N  |    | N  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | R5    | N                    | N  | N  |    | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
| Receptacle           | -     | Y                    | Y  | Y  | Y  | N     | N    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | 20KV  | Y                    | Y  | Y  | Y  | N     | N    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | -     | Y                    | Y  | Y  | Y  | Y     | Y    | N          | N  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
| Photocontrols        | NR    | Y                    | Y  | Y  | Y  | Y     | Y    | N          | N  | Y  | N             | N    | N   | N   | N  | Y       | Y | Y   | Y  |
|                      | P7    | Y                    | Y  | Y  | Y  | Y     | Y    | N          | N  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | PCLL  | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | N  | Y  | N             | N    | N   | N   | N  | Y       | Y | Y   | Y  |
|                      | PCSS  | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | N  | Y  | N             | N    | N   | N   | N  | Y       | Y | Y   | Y  |
|                      | P34   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | N  | Y  | N             | N    | N   | N   | N  | Y       | Y | Y   | Y  |
|                      | P48   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | N  | Y  | N             | N    | N   | N   | N  | Y       | Y | Y   | Y  |
| Dimming              | SH    | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | N  | Y  | N             | N    | N   | N   | Y  | Y       | Y | Y   |    |
|                      | SHX   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | N  | Y  | N             | N    | N   | N   | Y  | Y       | Y | Y   |    |
|                      | -     | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | N       | N | N   | N  |
|                      | PND   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | N       | N | N   | N  |
| Other Options        | AO    | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | N       | N | N   | N  |
|                      | DALI  | Y                    | Y  | Y  | Y  | Y     | N    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | N       | N | N   | N  |
|                      | VX    | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | VXCA  | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | SS    | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | TL    | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | NL1X1 | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | NL2X2 | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | XL    | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | M    | Y   | Y   | Y  | M       | Y | Y   | Y  |
|                      | LDR   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | RCC   | Y                    | Y  | Y  | Y  | Y     | Y    | N          | N  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | XC    | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | CR    | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
|                      | FPDxx | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | N  |
|                      | HSS   | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   | Y  |
| HSB                  | Y     | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   |    |
| HSW                  | Y     | Y                    | Y  | Y  | Y  | Y     | Y    | Y          | Y  | Y  | Y             | Y    | Y   | Y   | Y  | Y       | Y | Y   |    |

**MATRIX KEY**

M = Must have: one of these must be installed for the luminaire to operate

N = Combination not available

Y = Valid option combination

**Notes:**

1. Other colors available, please contact factory.
2. Taller cupola cover (RCC) or no cupola (XC) is required when used with ROAM or other similar wireless monitoring control systems.
3. Standard failure mode="Fail Off".
4. Photocontrols supplied with ANSI Standard Turn-On levels.
5. Ships with unit, field installed.

6. Required when using ROAM or other similar wireless monitoring control systems.

7. Must also specify "XL" as unit will not be CSA listed.

8. Not available with NR option.

9. Luminaire with VX or VXCA option will not be U = 0 (BUG rating).



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**Warranty** Five-year limited warranty. Complete warranty terms located at:  
[www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

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### OPTIONS MATRIX

| Parameters           | Other Options |      |    |    |       |       |    |     |     |    |    |       |     |     |     |  |
|----------------------|---------------|------|----|----|-------|-------|----|-----|-----|----|----|-------|-----|-----|-----|--|
|                      | VX            | VXCA | SS | TL | NL1X1 | NL2X2 | XL | LDR | RCC | XC | CR | FPDxx | HSS | HSB | HSW |  |
| AS                   | P10           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P15           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P20           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P25           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P30           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P35           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P40           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P45           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P50           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P55           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
| P60                  | Y             | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   |     |  |
| AH                   | P10           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P15           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P20           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P25           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P30           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P35           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P40           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P45           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P50           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P55           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
| P60                  | Y             | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   |     |  |
| Color Temperature    | 27K           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | 30K           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | 40K           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | 50K           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
| Distribution Options | R2            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | R3            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | R4            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | R5            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
| Surge                | -             | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | 20KV          | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
| Receptacle           | -             | Y    | Y  | Y  | Y     | Y     | Y  | Y   | N   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | NR            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | N   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P7            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
| Photocontrols        | PCLL          | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | PCSS          | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P34           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | P48           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | SH            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
| Dimming              | SHX           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | -             | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | PND           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | AO            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
| Other Options        | DALI          | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | N     | Y   | Y   | Y   |  |
|                      | VX            | N    | N  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | N   | N   |  |
|                      | VXCA          | N    | N  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | N   | M   | M   |  |
|                      | SS            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | TL            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | NL1X1         | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | NL2X2         | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | XL            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | LDR           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | RCC           | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | XC            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | N  | Y  | Y     | Y   | Y   | Y   |  |
|                      | CR            | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | FPDxx         | Y    | Y  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | Y   | Y   |  |
|                      | HSS           | Y    | N  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | N   | N   |  |
|                      | HSB           | N    | M  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | N   | N   |  |
|                      | HSW           | N    | M  | Y  | Y     | Y     | Y  | Y   | Y   | Y  | Y  | Y     | Y   | N   | N   |  |

#### MATRIX KEY

M = Must have: one of these must be installed for the luminaire to operate

N = Combination not available

Y = Valid option combination



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**Warranty** Five-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)  
 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 contact your sales representative for the latest product information.**

# Valiant™ Full Cutoff LED

## Series AVPCL2

### OPERATING CHARACTERISTICS

| Performance Pkg | Watts | CCT   | AVPCL2 |     |        |     |        |     |        |     |
|-----------------|-------|-------|--------|-----|--------|-----|--------|-----|--------|-----|
|                 |       |       | R2     |     | R3     |     | R4     |     | R5     |     |
|                 |       |       | Lumens | LPW | Lumens | LPW | Lumens | LPW | Lumens | LPW |
| P10             | 24    | 2700K | 2,388  | 99  | 2,379  | 99  | 2,405  | 100 | 2,591  | 108 |
|                 |       | 3000K | 2,452  | 102 | 2,443  | 102 | 2,470  | 103 | 2,660  | 111 |
|                 |       | 4000K | 2,639  | 110 | 2,629  | 110 | 2,658  | 111 | 2,863  | 119 |
|                 |       | 5000K | 2,658  | 111 | 2,648  | 110 | 2,677  | 112 | 2,884  | 120 |
| P15             | 34    | 2700K | 3,174  | 93  | 3,162  | 93  | 3,197  | 94  | 3,444  | 101 |
|                 |       | 3000K | 3,259  | 96  | 3,247  | 96  | 3,283  | 97  | 3,536  | 104 |
|                 |       | 4000K | 3,508  | 103 | 3,495  | 103 | 3,534  | 104 | 3,806  | 112 |
|                 |       | 5000K | 3,533  | 104 | 3,520  | 104 | 3,559  | 105 | 3,833  | 113 |
| P20             | 41    | 2700K | 3,629  | 88  | 3,615  | 88  | 3,655  | 89  | 3,937  | 96  |
|                 |       | 3000K | 3,726  | 90  | 3,712  | 90  | 3,753  | 91  | 4,042  | 98  |
|                 |       | 4000K | 4,011  | 97  | 3,996  | 97  | 4,040  | 98  | 4,351  | 106 |
|                 |       | 5000K | 4,039  | 98  | 4,024  | 98  | 4,069  | 99  | 4,382  | 106 |
| P25             | 52    | 2700K | 4,214  | 82  | 4,198  | 81  | 4,244  | 82  | 4,571  | 89  |
|                 |       | 3000K | 4,326  | 84  | 4,310  | 84  | 4,358  | 85  | 4,693  | 91  |
|                 |       | 4000K | 4,657  | 90  | 4,640  | 90  | 4,691  | 91  | 5,052  | 98  |
|                 |       | 5000K | 4,690  | 91  | 4,673  | 91  | 4,724  | 92  | 5,088  | 99  |
| P30             | 46    | 2700K | 4,685  | 102 | 4,667  | 101 | 4,719  | 102 | 5,082  | 110 |
|                 |       | 3000K | 4,810  | 104 | 4,792  | 104 | 4,845  | 105 | 5,218  | 113 |
|                 |       | 4000K | 5,178  | 112 | 5,158  | 112 | 5,215  | 113 | 5,617  | 122 |
|                 |       | 5000K | 5,214  | 113 | 5,195  | 113 | 5,253  | 104 | 5,657  | 104 |
| P35             | 65    | 2700K | 6,175  | 95  | 6,152  | 95  | 6,220  | 96  | 6,699  | 103 |
|                 |       | 3000K | 6,340  | 97  | 6,317  | 97  | 6,387  | 98  | 6,878  | 106 |
|                 |       | 4000K | 6,825  | 105 | 6,800  | 104 | 6,875  | 106 | 7,404  | 114 |
|                 |       | 5000K | 6,874  | 106 | 6,848  | 105 | 6,924  | 106 | 7,457  | 115 |
| P40             | 78    | 2700K | 7,021  | 90  | 6,995  | 90  | 7,073  | 91  | 7,617  | 98  |
|                 |       | 3000K | 7,209  | 92  | 7,182  | 92  | 7,262  | 93  | 7,821  | 100 |
|                 |       | 4000K | 7,760  | 100 | 7,731  | 99  | 7,817  | 100 | 8,419  | 108 |
|                 |       | 5000K | 7,816  | 100 | 7,786  | 100 | 7,873  | 101 | 8,479  | 109 |
| P45             | 98    | 2700K | 8,089  | 83  | 8,059  | 83  | 8,148  | 83  | 8,775  | 90  |
|                 |       | 3000K | 8,305  | 85  | 8,274  | 85  | 8,366  | 86  | 9,010  | 92  |
|                 |       | 4000K | 8,940  | 92  | 8,907  | 91  | 9,005  | 92  | 9,699  | 99  |
|                 |       | 5000K | 9,004  | 92  | 8,970  | 92  | 9,069  | 93  | 9,768  | 100 |
| P50             | 66    | 2700K | 7,072  | 107 | 7,045  | 106 | 7,123  | 107 | 7,672  | 116 |
|                 |       | 3000K | 7,261  | 109 | 7,233  | 109 | 7,314  | 110 | 7,877  | 119 |
|                 |       | 4000K | 7,816  | 118 | 7,787  | 117 | 7,873  | 119 | 8,479  | 128 |
|                 |       | 5000K | 7,871  | 119 | 7,842  | 118 | 7,929  | 120 | 8,540  | 129 |
| P55             | 94    | 2700K | 9,346  | 99  | 9,311  | 99  | 9,415  | 100 | 10,140 | 107 |
|                 |       | 3000K | 9,596  | 102 | 9,560  | 101 | 9,666  | 102 | 10,411 | 110 |
|                 |       | 4000K | 10,330 | 109 | 10,291 | 109 | 10,405 | 110 | 11,207 | 119 |
|                 |       | 5000K | 10,404 | 110 | 10,365 | 110 | 10,480 | 111 | 11,287 | 119 |
| P60             | 111   | 2700K | 10,646 | 96  | 10,606 | 96  | 10,724 | 97  | 11,550 | 104 |
|                 |       | 3000K | 10,931 | 99  | 10,890 | 99  | 11,011 | 100 | 11,859 | 107 |
|                 |       | 4000K | 11,767 | 106 | 11,723 | 106 | 11,852 | 107 | 12,765 | 115 |
|                 |       | 5000K | 11,850 | 107 | 11,806 | 107 | 11,937 | 108 | 12,856 | 116 |



# Valiant™ Full Cutoff LED

## Series AVPCL2

### Factory Programmable Driver Settings (P10 through P35 Packages)

| FPDxx<br>setting | Wattage | P10 27K |       |       |       | P10 30K |       |       |       | P10 40K |       |       |       | P10 50K |       |       |       |
|------------------|---------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|
|                  |         | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    |
| Standard         | 24      | 2,388   | 2,379 | 2,405 | 2,591 | 2,452   | 2,443 | 2,470 | 2,660 | 2,639   | 2,629 | 2,658 | 2,863 | 2,658   | 2,648 | 2,677 | 2,884 |
| FPD95            | 23      | 2,285   | 2,276 | 2,302 | 2,479 | 2,346   | 2,337 | 2,363 | 2,545 | 2,525   | 2,516 | 2,544 | 2,740 | 2,543   | 2,534 | 2,562 | 2,759 |
| FPD90            | 22      | 2,181   | 2,173 | 2,197 | 2,366 | 2,239   | 2,231 | 2,256 | 2,429 | 2,410   | 2,401 | 2,428 | 2,615 | 2,428   | 2,419 | 2,445 | 2,634 |
| FPD85            | 21      | 2,075   | 2,067 | 2,090 | 2,251 | 2,130   | 2,122 | 2,146 | 2,311 | 2,293   | 2,284 | 2,310 | 2,488 | 2,309   | 2,301 | 2,326 | 2,505 |
| FPD80            | 20      | 1,968   | 1,961 | 1,983 | 2,136 | 2,021   | 2,014 | 2,036 | 2,193 | 2,176   | 2,167 | 2,191 | 2,360 | 2,191   | 2,183 | 2,207 | 2,377 |
| FPD75            | 19      | 1,860   | 1,853 | 1,874 | 2,018 | 1,910   | 1,903 | 1,924 | 2,072 | 2,056   | 2,048 | 2,071 | 2,230 | 2,070   | 2,063 | 2,085 | 2,246 |

| FPDxx<br>setting | Wattage | P15 27K |       |       |       | P15 30K |       |       |       | P15 40K |       |       |       | P15 50K |       |       |       |
|------------------|---------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|
|                  |         | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    |
| Standard         | 34      | 3,174   | 3,162 | 3,197 | 3,444 | 3,259   | 3,247 | 3,283 | 3,536 | 3,508   | 3,495 | 3,534 | 3,806 | 3,533   | 3,520 | 3,559 | 3,833 |
| FPD95            | 33      | 3,044   | 3,033 | 3,067 | 3,303 | 3,126   | 3,114 | 3,149 | 3,391 | 3,365   | 3,352 | 3,389 | 3,650 | 3,389   | 3,376 | 3,414 | 3,676 |
| FPD90            | 31      | 2,912   | 2,901 | 2,933 | 3,159 | 2,989   | 2,978 | 3,011 | 3,243 | 3,218   | 3,206 | 3,241 | 3,491 | 3,241   | 3,229 | 3,265 | 3,516 |
| FPD85            | 30      | 2,776   | 2,766 | 2,796 | 3,012 | 2,850   | 2,840 | 2,871 | 3,092 | 3,068   | 3,057 | 3,091 | 3,329 | 3,090   | 3,079 | 3,113 | 3,353 |
| FPD80            | 28      | 2,638   | 2,628 | 2,658 | 2,862 | 2,709   | 2,699 | 2,729 | 2,939 | 2,916   | 2,905 | 2,937 | 3,163 | 2,937   | 2,926 | 2,958 | 3,186 |
| FPD75            | 27      | 2,498   | 2,489 | 2,516 | 2,710 | 2,565   | 2,555 | 2,583 | 2,782 | 2,761   | 2,751 | 2,781 | 2,995 | 2,781   | 2,770 | 2,801 | 3,017 |

| FPDxx<br>setting | Wattage | P20 27K |       |       |       | P20 30K |       |       |       | P20 40K |       |       |       | P20 50K |       |       |       |
|------------------|---------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|
|                  |         | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    |
| Standard         | 41      | 3,629   | 3,615 | 3,655 | 3,937 | 3,726   | 3,712 | 3,753 | 4,042 | 4,011   | 3,996 | 4,040 | 4,351 | 4,039   | 4,024 | 4,069 | 4,382 |
| FPD95            | 40      | 3,487   | 3,474 | 3,513 | 3,783 | 3,580   | 3,567 | 3,606 | 3,884 | 3,854   | 3,840 | 3,882 | 4,181 | 3,881   | 3,867 | 3,910 | 4,211 |
| FPD90            | 38      | 3,342   | 3,329 | 3,366 | 3,626 | 3,431   | 3,418 | 3,456 | 3,722 | 3,694   | 3,680 | 3,721 | 4,007 | 3,720   | 3,706 | 3,747 | 4,036 |
| FPD85            | 36      | 3,192   | 3,180 | 3,216 | 3,463 | 3,278   | 3,265 | 3,302 | 3,556 | 3,528   | 3,515 | 3,554 | 3,828 | 3,553   | 3,540 | 3,579 | 3,855 |
| FPD80            | 33      | 2,876   | 2,865 | 2,897 | 3,120 | 2,953   | 2,942 | 2,974 | 3,204 | 3,179   | 3,167 | 3,202 | 3,449 | 3,201   | 3,189 | 3,225 | 3,473 |

| FPDxx<br>setting | Wattage | P25 27K |       |       |       | P25 30K |       |       |       | P25 40K |       |       |       | P25 50K |       |       |       |
|------------------|---------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|
|                  |         | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    |
| Standard         | 52      | 4,214   | 4,198 | 4,244 | 4,571 | 4,326   | 4,310 | 4,358 | 4,693 | 4,657   | 4,640 | 4,691 | 5,052 | 4,690   | 4,673 | 4,724 | 5,088 |
| FPD95            | 50      | 4,063   | 4,048 | 4,093 | 4,408 | 4,172   | 4,156 | 4,202 | 4,526 | 4,491   | 4,474 | 4,524 | 4,872 | 4,523   | 4,506 | 4,556 | 4,907 |
| FPD90            | 48      | 3,907   | 3,893 | 3,936 | 4,239 | 4,012   | 3,997 | 4,041 | 4,352 | 4,319   | 4,303 | 4,350 | 4,685 | 4,349   | 4,333 | 4,381 | 4,719 |
| FPD85            | 46      | 3,745   | 3,731 | 3,772 | 4,063 | 3,845   | 3,831 | 3,873 | 4,171 | 4,139   | 4,124 | 4,169 | 4,490 | 4,168   | 4,153 | 4,199 | 4,522 |

| FPDxx<br>setting | Wattage | P30 27K |       |       |       | P30 30K |       |       |       | P30 40K |       |       |       | P30 50K |       |       |       |
|------------------|---------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|
|                  |         | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    |
| Standard         | 46      | 4,685   | 4,667 | 4,719 | 5,082 | 4,810   | 4,792 | 4,845 | 5,218 | 5,178   | 5,158 | 5,215 | 5,617 | 5,214   | 5,195 | 5,253 | 5,657 |
| FPD95            | 44      | 4,490   | 4,473 | 4,523 | 4,871 | 4,610   | 4,593 | 4,644 | 5,001 | 4,962   | 4,944 | 4,999 | 5,384 | 4,998   | 4,979 | 5,034 | 5,422 |
| FPD90            | 42      | 4,292   | 4,276 | 4,324 | 4,657 | 4,407   | 4,391 | 4,439 | 4,781 | 4,744   | 4,726 | 4,779 | 5,147 | 4,778   | 4,760 | 4,813 | 5,183 |
| FPD85            | 39      | 3,914   | 3,900 | 3,943 | 4,247 | 4,019   | 4,004 | 4,048 | 4,360 | 4,326   | 4,310 | 4,358 | 4,694 | 4,357   | 4,341 | 4,389 | 4,727 |
| FPD80            | 35      | 3,550   | 3,537 | 3,576 | 3,852 | 3,645   | 3,631 | 3,672 | 3,954 | 3,924   | 3,909 | 3,952 | 4,257 | 3,952   | 3,937 | 3,981 | 4,287 |

| FPDxx<br>setting | Wattage | P35 27K |       |       |       | P35 30K |       |       |       | P35 40K |       |       |       | P35 50K |       |       |       |
|------------------|---------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|---------|-------|-------|-------|
|                  |         | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    | R2      | R3    | R4    | R5    |
| Standard         | 65      | 6,175   | 6,152 | 6,220 | 6,699 | 6,340   | 6,317 | 6,387 | 6,878 | 6,825   | 6,800 | 6,875 | 7,404 | 6,874   | 6,848 | 6,924 | 7,457 |
| FPD95            | 63      | 5,942   | 5,920 | 5,985 | 6,446 | 6,101   | 6,078 | 6,145 | 6,619 | 6,567   | 6,543 | 6,615 | 7,125 | 6,614   | 6,589 | 6,662 | 7,176 |
| FPD90            | 60      | 5,701   | 5,680 | 5,743 | 6,185 | 5,853   | 5,832 | 5,896 | 6,350 | 6,301   | 6,277 | 6,347 | 6,836 | 6,346   | 6,322 | 6,392 | 6,885 |
| FPD85            | 57      | 5,452   | 5,432 | 5,492 | 5,915 | 5,598   | 5,577 | 5,639 | 6,073 | 6,026   | 6,003 | 6,070 | 6,538 | 6,069   | 6,046 | 6,113 | 6,584 |
| FPD80            | 55      | 5,196   | 5,176 | 5,234 | 5,637 | 5,334   | 5,315 | 5,373 | 5,787 | 5,742   | 5,721 | 5,784 | 6,230 | 5,783   | 5,762 | 5,826 | 6,274 |
| FPD75            | 52      | 4,932   | 4,914 | 4,968 | 5,351 | 5,064   | 5,045 | 5,101 | 5,494 | 5,451   | 5,431 | 5,491 | 5,914 | 5,490   | 5,470 | 5,530 | 5,956 |



# Valiant™ Full Cutoff LED Series AVPCL2

## Factory Programmable Driver Settings (P40 through P60 Packages)

| FPDxx setting | Wattage |
|---------------|---------|
| Standard      | 78      |
| FPD95         | 74      |
| FPD90         | 70      |
| FPD85         | 66      |

| P40 27K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 7,021   | 6,995 | 7,073 | 7,617 |  |
| 6,670   | 6,645 | 6,719 | 7,237 |  |
| 6,319   | 6,296 | 6,365 | 6,856 |  |
| 5,968   | 5,946 | 6,012 | 6,475 |  |

| P40 30K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 7,209   | 7,182 | 7,262 | 7,821 |  |
| 6,849   | 6,823 | 6,899 | 7,430 |  |
| 6,488   | 6,464 | 6,536 | 7,039 |  |
| 6,128   | 6,105 | 6,172 | 6,648 |  |

| P40 40K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 7,760   | 7,731 | 7,817 | 8,419 |  |
| 7,372   | 7,345 | 7,426 | 7,998 |  |
| 6,984   | 6,958 | 7,035 | 7,577 |  |
| 6,596   | 6,572 | 6,644 | 7,156 |  |

| P40 50K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 7,816   | 7,786 | 7,873 | 8,479 |  |
| 7,425   | 7,397 | 7,479 | 8,055 |  |
| 7,034   | 7,008 | 7,085 | 7,631 |  |
| 6,643   | 6,618 | 6,692 | 7,207 |  |

| FPDxx setting | Wattage |
|---------------|---------|
| Standard      | 98      |
| FPD95         | 97      |
| FPD90         | 94      |
| FPD85         | 91      |

| P45 27K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 8,089   | 8,059 | 8,148 | 8,775 |  |
| 8,066   | 8,036 | 8,125 | 8,750 |  |
| 7,815   | 7,786 | 7,872 | 8,478 |  |
| 7,542   | 7,514 | 7,597 | 8,182 |  |

| P45 30K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 8,305   | 8,274 | 8,366 | 9,010 |  |
| 8,281   | 8,250 | 8,342 | 8,984 |  |
| 8,024   | 7,994 | 8,082 | 8,705 |  |
| 7,744   | 7,715 | 7,800 | 8,401 |  |

| P45 40K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 8,940   | 8,907 | 9,005 | 9,699 |  |
| 8,915   | 8,881 | 8,980 | 9,671 |  |
| 8,637   | 8,605 | 8,700 | 9,370 |  |
| 8,336   | 8,305 | 8,397 | 9,043 |  |

| P45 50K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 9,004   | 8,970 | 9,069 | 9,768 |  |
| 8,978   | 8,945 | 9,044 | 9,740 |  |
| 8,699   | 8,666 | 8,762 | 9,437 |  |
| 8,395   | 8,364 | 8,456 | 9,108 |  |

| FPDxx setting | Wattage |
|---------------|---------|
| Standard      | 66      |
| FPD95         | 64      |
| FPD90         | 61      |
| FPD85         | 58      |
| FPD80         | 55      |

| P50 27K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 7,072   | 7,045 | 7,123 | 7,672 |  |
| 6,781   | 6,755 | 6,830 | 7,356 |  |
| 6,483   | 6,458 | 6,530 | 7,033 |  |
| 6,180   | 6,157 | 6,225 | 6,705 |  |
| 5,873   | 5,851 | 5,915 | 6,371 |  |

| P50 30K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 7,261   | 7,233 | 7,314 | 7,877 |  |
| 6,962   | 6,936 | 7,013 | 7,553 |  |
| 6,656   | 6,631 | 6,704 | 7,221 |  |
| 6,345   | 6,321 | 6,391 | 6,884 |  |
| 6,030   | 6,007 | 6,074 | 6,541 |  |

| P50 40K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 7,816   | 7,787 | 7,873 | 8,479 |  |
| 7,494   | 7,466 | 7,549 | 8,130 |  |
| 7,165   | 7,138 | 7,217 | 7,773 |  |
| 6,830   | 6,805 | 6,880 | 7,410 |  |
| 6,491   | 6,466 | 6,538 | 7,042 |  |

| P50 50K |       |       |       |  |
|---------|-------|-------|-------|--|
| R2      | R3    | R4    | R5    |  |
| 7,871   | 7,842 | 7,929 | 8,540 |  |
| 7,548   | 7,519 | 7,603 | 8,188 |  |
| 7,216   | 7,189 | 7,269 | 7,828 |  |
| 6,879   | 6,853 | 6,929 | 7,463 |  |
| 6,537   | 6,512 | 6,585 | 7,092 |  |

| FPDxx setting | Wattage |
|---------------|---------|
| Standard      | 94      |
| FPD95         | 91      |
| FPD90         | 87      |
| FPD85         | 84      |
| FPD80         | 80      |
| FPD75         | 76      |

| P55 27K |       |       |        |  |
|---------|-------|-------|--------|--|
| R2      | R3    | R4    | R5     |  |
| 9,346   | 9,311 | 9,415 | 10,140 |  |
| 9,001   | 8,967 | 9,067 | 9,765  |  |
| 8,642   | 8,609 | 8,705 | 9,375  |  |
| 8,269   | 8,238 | 8,330 | 8,971  |  |
| 7,886   | 7,857 | 7,944 | 8,556  |  |
| 7,489   | 7,461 | 7,544 | 8,125  |  |

| P55 30K |       |       |        |  |
|---------|-------|-------|--------|--|
| R2      | R3    | R4    | R5     |  |
| 9,596   | 9,560 | 9,666 | 10,411 |  |
| 9,242   | 9,207 | 9,309 | 10,026 |  |
| 8,872   | 8,839 | 8,937 | 9,626  |  |
| 8,490   | 8,458 | 8,552 | 9,211  |  |
| 8,097   | 8,067 | 8,156 | 8,784  |  |
| 7,689   | 7,661 | 7,745 | 8,342  |  |

| P55 40K |        |        |        |  |
|---------|--------|--------|--------|--|
| R2      | R3     | R4     | R5     |  |
| 10,330  | 10,291 | 10,405 | 11,207 |  |
| 9,948   | 9,911  | 10,021 | 10,793 |  |
| 9,551   | 9,515  | 9,621  | 10,362 |  |
| 9,139   | 9,105  | 9,206  | 9,915  |  |
| 8,716   | 8,684  | 8,780  | 9,456  |  |
| 8,277   | 8,246  | 8,338  | 8,980  |  |

| P55 50K |        |        |        |  |
|---------|--------|--------|--------|--|
| R2      | R3     | R4     | R5     |  |
| 10,404  | 10,365 | 10,480 | 11,287 |  |
| 10,019  | 9,982  | 10,092 | 10,870 |  |
| 9,619   | 9,583  | 9,689  | 10,435 |  |
| 9,204   | 9,170  | 9,272  | 9,986  |  |
| 8,778   | 8,745  | 8,842  | 9,523  |  |
| 8,336   | 8,305  | 8,397  | 9,044  |  |

| FPDxx setting | Wattage |
|---------------|---------|
| Standard      | 111     |
| FPD95         | 107     |
| FPD90         | 103     |
| FPD85         | 99      |

| P60 27K |        |        |        |  |
|---------|--------|--------|--------|--|
| R2      | R3     | R4     | R5     |  |
| 10,646  | 10,606 | 10,724 | 11,550 |  |
| 10,292  | 10,254 | 10,367 | 11,166 |  |
| 9,918   | 9,881  | 9,991  | 10,760 |  |
| 9,524   | 9,488  | 9,594  | 10,332 |  |

| P60 30K |        |        |        |  |
|---------|--------|--------|--------|--|
| R2      | R3     | R4     | R5     |  |
| 10,931  | 10,890 | 11,011 | 11,859 |  |
| 10,567  | 10,528 | 10,644 | 11,464 |  |
| 10,183  | 10,145 | 10,258 | 11,048 |  |
| 9,779   | 9,742  | 9,850  | 10,609 |  |

| P60 40K |        |        |        |  |
|---------|--------|--------|--------|--|
| R2      | R3     | R4     | R5     |  |
| 11,767  | 11,723 | 11,852 | 12,765 |  |
| 11,375  | 11,333 | 11,458 | 12,341 |  |
| 10,962  | 10,921 | 11,042 | 11,892 |  |
| 10,526  | 10,487 | 10,603 | 11,420 |  |

| P60 50K |        |        |        |  |
|---------|--------|--------|--------|--|
| R2      | R3     | R4     | R5     |  |
| 11,850  | 11,806 | 11,937 | 12,856 |  |
| 11,456  | 11,414 | 11,540 | 12,429 |  |
| 11,040  | 10,999 | 11,121 | 11,977 |  |
| 10,601  | 10,562 | 10,679 | 11,501 |  |

### PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

| Lumen Maintenance (LLD) |         |         |         |         |         |          |
|-------------------------|---------|---------|---------|---------|---------|----------|
| Initial                 | 25k hrs | 36k hrs | 50k hrs | 60k hrs | 75k hrs | 100k hrs |
| 1                       | 0.960   | 0.940   | 0.930   | 0.910   | 0.890   | 0.860    |

### LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

| Ambient Temperature Lumen Multipliers |      |      |      |      |      |      |      |      |
|---------------------------------------|------|------|------|------|------|------|------|------|
| 0°C                                   | 5°C  | 10°C | 15°C | 20°C | 25°C | 30°C | 35°C | 40°C |
| 1.04                                  | 1.03 | 1.02 | 1.02 | 1.01 | 1.00 | 0.99 | 0.98 | 0.97 |

