

# American Revolution LED

## Series 247L

### PRODUCT OVERVIEW



### Applications:

Streetscapes  
Walkways  
Pathways  
Parks



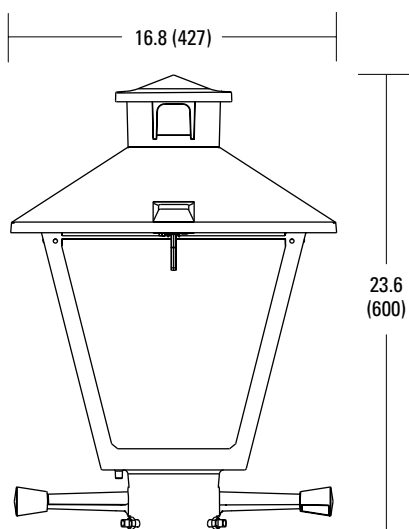
### Features:

- Colonial LED lantern, replaces up to 250W HID models for street and area lighting applications
- Fifteen (15) LED performance packages deliver just the right amount of light for any given application up to 9,000 lumens
- Available in color temperature choices of 2700K, 3000K and 4000K
- Four (4) distinct light distribution options provide design flexibility, available in Type II, Type III, Type IV, and Type V
- Available with acrylic or polycarbonate lens
- Die-cast aluminum housing, engineered for sturdy lifelong performance
- Luminaire is rated for 3g vibration per ANSI C136.31
- Die-cast aluminum hood features a trigger latch (TL) option and captive thumb screws for fast, easy electrical and optical chamber access
- Standard paint finish is 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 LED and driver life greater than 100,000 hours at 25°C
- 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 with DALI driver option

### Standards:

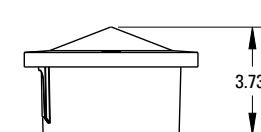
- Complies with all applicable ANSI C136 standards.
- CSA listed and suitable for up to 40°C ambient
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.
- **GOVERNMENT PROCUREMENT** — BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

### DIMENSIONS

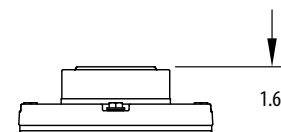


#### Effective Projected Area (EPA)

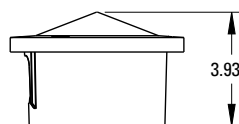
The EPA for the American Revolution Series 247 is 1.6 sq. ft.  
Fixture weight = 36 lbs.



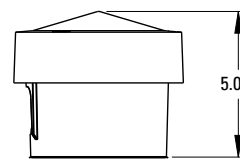
Cupola height  
P3 with SCC option  
Shown in line diagram



No Cupola height  
XC Option



Cupola height  
P7 with SCC option



Cupola height  
P7 with SNC option

\*See Cupola Control Node Compatibility chart to ensure compatibility with smart controls

All dimensions are inches (millimeters) unless otherwise noted.

# American Revolution LED

## Series 247L

### ORDERING INFORMATION

**Example:** 247L P155 MVOLT 40K R3 AY BK SCC PR7

| Series      |                         | Performance Package |                    |                         | Voltage                                                               |          | Color Temperature (CCT) |       |
|-------------|-------------------------|---------------------|--------------------|-------------------------|-----------------------------------------------------------------------|----------|-------------------------|-------|
| <b>247L</b> | American Revolution LED | <b>Package</b>      | <b>Input Watts</b> | <b>Lumens (nominal)</b> | <b>MVOLT</b>                                                          | 120-277V | <b>27K</b>              | 2700K |
|             |                         | <b>P101</b>         | 20                 | 2,300                   | <b>HVOLT</b>                                                          | 347-480V | <b>30K</b>              | 3000K |
|             |                         | <b>P102</b>         | 30                 | 3,000                   | <b>XVOLT</b> 277-480V<br>with enhanced<br>power quality<br>protection |          | <b>40K</b>              | 4000K |
|             |                         | <b>P103</b>         | 40                 | 4,000                   |                                                                       |          |                         |       |
|             |                         | <b>P104</b>         | 49                 | 4,700                   |                                                                       |          |                         |       |
|             |                         | <b>P151</b>         | 30                 | 3,500                   |                                                                       |          |                         |       |
|             |                         | <b>P152</b>         | 40                 | 4,200                   |                                                                       |          |                         |       |
|             |                         | <b>P153</b>         | 50                 | 5,100                   |                                                                       |          |                         |       |
|             |                         | <b>P154</b>         | 60                 | 5,900                   |                                                                       |          |                         |       |
|             |                         | <b>P155</b>         | 70                 | 6,600                   |                                                                       |          |                         |       |
|             |                         | <b>P201</b>         | 70                 | 7,200                   |                                                                       |          |                         |       |
|             |                         | <b>P202</b>         | 80                 | 7,900                   |                                                                       |          |                         |       |
|             |                         | <b>P300</b>         | 41                 | 4,700                   |                                                                       |          |                         |       |
|             |                         | <b>P301</b>         | 60                 | 6,800                   |                                                                       |          |                         |       |
|             |                         | <b>P302</b>         | 70                 | 7,600                   |                                                                       |          |                         |       |
|             |                         | <b>P303</b>         | 80                 | 8,400                   |                                                                       |          |                         |       |

| Distribution |          | Optics    |               | Paint (smooth gloss) |             | Cupola     |                   | Photocontrol Receptacle |                            |
|--------------|----------|-----------|---------------|----------------------|-------------|------------|-------------------|-------------------------|----------------------------|
| <b>R2</b>    | Type II  | <b>AY</b> | Acrylic       | <b>BK</b>            | Black       | <b>SCC</b> | Standard cupola   | <b>NR</b>               | No photocontrol receptacle |
| <b>R3</b>    | Type III | <b>PY</b> | Polycarbonate | <b>GY</b>            | Gray        | <b>SNC</b> | Smart node cupola | <b>PR3</b>              | 3 pin NEMA photocontrol    |
| <b>R4</b>    | Type IV  |           |               | <b>DDB</b>           | Dark Bronze | <b>XC</b>  | No cupola         | <b>PR7</b>              | 7 pin NEMA photocontrol    |
| <b>R5</b>    | Type V   |           |               | <b>WH</b>            | White       |            |                   |                         |                            |
|              |          |           |               | <b>BZ</b>            | Bronze      |            |                   |                         |                            |

#### Options

##### Options

|             |                                                               |
|-------------|---------------------------------------------------------------|
| <b>PCLL</b> | Solid State Long Life Photocontrol, 120-277V (fail off)       |
| <b>P34</b>  | Solid State Long Life Photocontrol, 347V (fail off)           |
| <b>P48</b>  | Solid State Long Life Photocontrol, 480V (fail off)           |
| <b>PCSS</b> | Solid state photocontrol, 120-277V (Not CSA Listed) (fail on) |
| <b>SH</b>   | Shorting cap                                                  |
| <b>AO</b>   | Field adjustable output module                                |
| <b>DALI</b> | DALI driver (RFD required)                                    |

##### Miscellaneous

|              |                                                               |
|--------------|---------------------------------------------------------------|
| <b>SS</b>    | Stainless steel hardware                                      |
| <b>TL</b>    | Tool-less trigger latch entry                                 |
| <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>   | Ladder Rest                                                   |
| <b>CR</b>    | Epoxy Pre-Coat Finish                                         |
| <b>20kV</b>  | 20kV/10kA surge protection device                             |
| <b>CNV</b>   | Field convertible to full cutoff                              |
| <b>BAA</b>   | Buy America(n) Act and/or Build America Buy America Qualified |

##### House-Side Shields

|                       |                       |
|-----------------------|-----------------------|
| <b>HSB</b>            | House Side Black      |
| <b>HSW</b>            | House Side White      |
| <b>Prewired leads</b> |                       |
| <b>L1H</b>            | 1.5 ft. prewire leads |
| <b>L03</b>            | 3 ft. prewire leads   |
| <b>L10</b>            | 10 ft. prewire leads  |
| <b>L20</b>            | 20 ft. prewire leads  |
| <b>L25</b>            | 25 ft. prewire leads  |
| <b>L30</b>            | 30 ft. prewire leads  |

##### Accessories (ship separately):

|                 |                                            |
|-----------------|--------------------------------------------|
| <b>247LFHSW</b> | Field installable white shield (HSW)       |
| <b>247LFHSB</b> | Field installable black shield (HSB)       |
| <b>247LFAY</b>  | Field installable acrylic (AY) optic       |
| <b>247LFPY</b>  | Field installable polycarbonate (PY) optic |

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



AEL Headquarters, One Lithonia Way, Conyers Georgia 30012  
 www.americanelectriclighting.com Phone: 1-866-HOLOPHANE  
 Email: TechSupport-Lighting@AcuityBrands.com  
 © 2019-2024 Acuity Brands Lighting, Inc. All Rights Reserved. 247L Rev. 04/16/24

**Warranty** Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**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 contact your sales representative for the latest product information.

# American Revolution LED

## Series 247L

### OPTIONS MATRIX

|               |       | Voltage |       |       | Distribution |    |    |    | Cupola |     |     | Receptacle |     |     | Photocontrol |      |     |     |    | Other |      |      |     |    |
|---------------|-------|---------|-------|-------|--------------|----|----|----|--------|-----|-----|------------|-----|-----|--------------|------|-----|-----|----|-------|------|------|-----|----|
|               |       | MVOLT   | HVOLT | XVOLT | R2           | R3 | R4 | R5 | SCC    | SNC | XC  | PR3        | PR7 | NR  | PCLL         | PCSS | P34 | P48 | SH | AO    | DALI | 20KV | CNV | XL |
| Lumen Package | P101  | Y       | N     | N     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | N    | Y    | Y   | Y  |
|               | P102  | Y       | Y     | N     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P103  | Y       | Y     | N     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P104  | Y       | Y     | N     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P151  | Y       | Y     | N     | Y            | Y  | N  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P152  | Y       | Y     | N     | Y            | Y  | N  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P153  | Y       | Y     | Y     | Y            | Y  | N  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P154  | Y       | Y     | Y     | Y            | Y  | N  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P155  | Y       | Y     | N     | Y            | Y  | N  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P201  | Y       | Y     | Y     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P202  | Y       | Y     | Y     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P300  | Y       | Y     | N     | Y            | Y  | N  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P301  | Y       | Y     | Y     | Y            | Y  | N  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P302  | Y       | Y     | Y     | Y            | Y  | N  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | P303  | Y       | Y     | Y     | Y            | Y  | N  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
| Voltage       | MVOLT |         |       |       | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | N   | N   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | HVOLT |         |       |       | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | N            | N    | Y   | Y   | Y  | Y     | N    | Y    | Y   | Y  |
|               | XVOLT |         |       |       | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | N    | Y    | Y   | Y  |
| Cupola        | SCC   | Y       | Y     | Y     | Y            | Y  | Y  |    |        |     |     | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | SNC   | Y       | Y     | Y     | Y            | Y  | Y  |    |        |     |     | N          | Y   | N   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | XC    | Y       | Y     | Y     | Y            | Y  | Y  | Y  |        |     |     |            | Y   | Y   | N            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
| Receptacle    | PR3   | Y       | Y     | Y     | Y            | Y  | Y  | Y  | N      | Y   |     |            |     | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | PR7   | Y       | Y     | Y     | Y            | Y  | Y  | Y  | Y      | Y   |     |            |     | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | Y   | Y  |
|               | NR    | Y       | Y     | Y     | Y            | Y  | Y  | Y  | N      | N   |     |            |     | N   | N            | N    | N   | N   | Y  | RFD   | Y    | Y    | Y   |    |
| Photocontrol  | PCLL  | Y       | N     | Y     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | N   |              |      |     |     |    | Y     | RFD  | Y    | Y   | Y  |
|               | PCSS  | Y       | N     | Y     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | N   |              |      |     |     |    | Y     | RFD  | Y    | Y   | Y  |
|               | P34   | N       | Y     | Y     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | N   |     |              |      |     |     | Y  | RFD   | Y    | Y    | Y   |    |
|               | P48   | N       | Y     | Y     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | N   |     |              |      |     |     | Y  | RFD   | Y    | Y    | Y   |    |
|               | SH    | Y       | Y     | Y     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | N   |     |              |      |     |     | Y  | RFD   | Y    | Y    | Y   |    |
| Other         | AO    | Y       | Y     | Y     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   |    | N     | Y    | Y    | Y   |    |
|               | DALI  | RFD     | N     | N     | Y            | Y  | Y  | Y  | Y      | Y   | RFD | RFD        | RFD | RFD | RFD          | RFD  | RFD | RFD | N  |       | RFD  | RFD  | RFD |    |
|               | 20KV  | Y       | Y     | Y     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  |      | Y   | Y  |
|               | CNV   | Y       | Y     | Y     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    |     | N  |
|               | XL    | Y       | Y     | Y     | Y            | Y  | Y  | Y  | Y      | Y   | Y   | Y          | Y   | Y   | Y            | Y    | Y   | Y   | Y  | Y     | RFD  | Y    | N   |    |

#### MATRIX KEY

Y = Option combination is available

N = Option combination is not available

RFD = Option combination is available but additional information required. Consult factory.

#### Cupola Control Node Compatibility

| Cupola Option | Acuity Brands Control |         |
|---------------|-----------------------|---------|
|               | nLight rTLN           | DTL DIN |
| XC            | Yes                   | Yes     |
| SCC           | No                    | No      |
| SNC           | No                    | Yes     |

**Warranty** Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**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 contact your sales representative for the latest product information.**



AEL Headquarters, One Lithonia Way, Conyers Georgia 30012  
 www.americanelectriclighting.com Phone: 1-866-HOLOPHANE  
 Email: TechSupport-Lighting@AcuityBrands.com  
 © 2019-2024 Acuity Brands Lighting, Inc. All Rights Reserved. 247L Rev. 04/16/24

# American Revolution LED

## Series 247L

### OPERATING CHARACTERISTICS

| Performance Package | Wattage | CCT   | AY Optic |     |        |     |        |     |        |     |
|---------------------|---------|-------|----------|-----|--------|-----|--------|-----|--------|-----|
|                     |         |       | R2       |     | R3     |     | R4     |     | R5     |     |
|                     |         |       | Lumens   | LPW | Lumens | LPW | Lumens | LPW | Lumens | LPW |
| P101                | 20      | 2700K | 2,182    | 109 | 2,169  | 108 | 2,130  | 107 | 2,240  | 112 |
|                     |         | 3000K | 2,277    | 114 | 2,264  | 113 | 2,224  | 111 | 2,338  | 117 |
|                     |         | 4000K | 2,376    | 119 | 2,362  | 118 | 2,320  | 116 | 2,440  | 122 |
| P102                | 30      | 2700K | 2,954    | 98  | 2,937  | 98  | 2,885  | 96  | 3,034  | 101 |
|                     |         | 3000K | 3,083    | 103 | 3,066  | 102 | 3,011  | 100 | 3,166  | 106 |
|                     |         | 4000K | 3,217    | 107 | 3,199  | 107 | 3,142  | 105 | 3,304  | 110 |
| P103                | 40      | 2700K | 3,794    | 95  | 3,772  | 94  | 3,705  | 93  | 3,896  | 97  |
|                     |         | 3000K | 3,960    | 99  | 3,937  | 98  | 3,867  | 97  | 4,066  | 102 |
|                     |         | 4000K | 4,132    | 103 | 4,108  | 103 | 4,035  | 101 | 4,243  | 106 |
| P104                | 49      | 2700K | 4,506    | 91  | 4,480  | 91  | 4,400  | 89  | 4,627  | 94  |
|                     |         | 3000K | 4,703    | 95  | 4,676  | 95  | 4,593  | 93  | 4,830  | 98  |
|                     |         | 4000K | 4,908    | 99  | 4,880  | 99  | 4,793  | 97  | 5,039  | 102 |
| P151                | 30      | 2700K | 3,329    | 111 | 3,310  | 110 | --     | --  | 3,419  | 114 |
|                     |         | 3000K | 3,475    | 116 | 3,455  | 115 | --     | --  | 3,569  | 119 |
|                     |         | 4000K | 3,626    | 121 | 3,606  | 120 | --     | --  | 3,724  | 124 |
| P152                | 40      | 2700K | 4,040    | 101 | 4,017  | 100 | --     | --  | 4,149  | 104 |
|                     |         | 3000K | 4,217    | 105 | 4,193  | 105 | --     | --  | 4,331  | 108 |
|                     |         | 4000K | 4,400    | 110 | 4,375  | 109 | --     | --  | 4,519  | 113 |
| P153                | 50      | 2700K | 4,883    | 98  | 4,855  | 97  | --     | --  | 5,014  | 100 |
|                     |         | 3000K | 5,096    | 102 | 5,067  | 101 | --     | --  | 5,233  | 105 |
|                     |         | 4000K | 5,318    | 106 | 5,288  | 106 | --     | --  | 5,461  | 109 |
| P154                | 60      | 2700K | 5,645    | 94  | 5,613  | 94  | --     | --  | 5,797  | 97  |
|                     |         | 3000K | 5,892    | 98  | 5,858  | 98  | --     | --  | 6,050  | 101 |
|                     |         | 4000K | 6,148    | 102 | 6,113  | 102 | --     | --  | 6,314  | 105 |
| P155                | 70      | 2700K | 6,402    | 91  | 6,366  | 91  | --     | --  | 6,574  | 94  |
|                     |         | 3000K | 6,682    | 95  | 6,644  | 95  | --     | --  | 6,862  | 98  |
|                     |         | 4000K | 6,973    | 100 | 6,933  | 99  | --     | --  | 7,160  | 102 |
| P201                | 70      | 2700K | 6,925    | 99  | 6,885  | 98  | 6,763  | 97  | 7,111  | 102 |
|                     |         | 3000K | 7,228    | 103 | 7,187  | 103 | 7,059  | 101 | 7,422  | 106 |
|                     |         | 4000K | 7,542    | 108 | 7,499  | 107 | 7,366  | 105 | 7,745  | 111 |
| P202                | 80      | 2700K | 7,597    | 95  | 7,554  | 94  | 7,419  | 93  | 7,801  | 98  |
|                     |         | 3000K | 7,929    | 99  | 7,884  | 99  | 7,744  | 97  | 8,143  | 102 |
|                     |         | 4000K | 8,274    | 103 | 8,227  | 103 | 8,080  | 101 | 8,497  | 106 |
| P300                | 41      | 2700K | 4,494    | 111 | 4,468  | 110 | --     | --  | 4,615  | 114 |
|                     |         | 3000K | 4,690    | 116 | 4,664  | 115 | --     | --  | 4,816  | 119 |
|                     |         | 4000K | 4,894    | 121 | 4,866  | 120 | --     | --  | 5,026  | 124 |
| P301                | 60      | 2700K | 6,544    | 109 | 6,507  | 108 | --     | --  | 6,720  | 112 |
|                     |         | 3000K | 6,831    | 114 | 6,792  | 113 | --     | --  | 7,014  | 117 |
|                     |         | 4000K | 7,128    | 119 | 7,087  | 118 | --     | --  | 7,319  | 122 |
| P302                | 70      | 2700K | 7,310    | 104 | 7,269  | 104 | --     | --  | 7,507  | 107 |
|                     |         | 3000K | 7,630    | 109 | 7,587  | 108 | --     | --  | 7,835  | 112 |
|                     |         | 4000K | 7,962    | 114 | 7,917  | 113 | --     | --  | 8,176  | 117 |
| P303                | 80      | 2700K | 8,064    | 101 | 8,018  | 100 | --     | --  | 8,281  | 104 |
|                     |         | 3000K | 8,417    | 105 | 8,369  | 105 | --     | --  | 8,643  | 108 |
|                     |         | 4000K | 8,783    | 110 | 8,733  | 109 | --     | --  | 9,019  | 113 |

| Optic | Factor |
|-------|--------|
| AY    | 1.00   |
| PY    | .92    |



AEL Headquarters, One Lithonia Way, Conyers Georgia 30012  
 www.americanelectricleighting.com Phone: 1-866-HOLOPHANE  
 Email: TechSupport-Lighting@AcuityBrands.com  
 © 2019-2024 Acuity Brands Lighting, Inc. All Rights Reserved. 247L Rev. 04/16/24

**Warranty** Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:  
[www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**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 contact your sales representative for the latest product information.**

# American Revolution LED

## Series 247L

### 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). For other lumen maintenance values, contact factory.

| LED Lumen Maintenance  |         |           |           |           |           |           |            |
|------------------------|---------|-----------|-----------|-----------|-----------|-----------|------------|
| Performance Package    | Initial | 25k hours | 36k hours | 50k hours | 60k hours | 75k hours | 100k hours |
| P101, P102, P151, P300 | 1.00    | 0.96      | 0.94      | 0.92      | 0.90      | 0.88      | 0.85       |
| P103, P152             | 1.00    | 0.95      | 0.93      | 0.91      | 0.90      | 0.87      | 0.84       |
| P153, P301, P302       | 1.00    | 0.95      | 0.93      | 0.91      | 0.89      | 0.87      | 0.83       |
| P104, P154, P201, P303 | 1.00    | 0.95      | 0.93      | 0.90      | 0.89      | 0.86      | 0.82       |
| P155, P202             | 1.00    | 0.94      | 0.92      | 0.89      | 0.88      | 0.85      | 0.80       |

### LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

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

| Luminaire Ambient Temperature (LAT) Multiplier |      |      |      |      |      |      |      |      |
|------------------------------------------------|------|------|------|------|------|------|------|------|
| 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 |



AEL Headquarters, One Lithonia Way, Conyers Georgia 30012  
www.americanelectriclighting.com Phone: 1-866-HOLOPHANE  
Email: TechSupport-Lighting@AcuityBrands.com  
© 2019-2024 Acuity Brands Lighting, Inc. All Rights Reserved. 247L Rev. 04/16/24

**Warranty** Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**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 contact your sales representative for the latest product information.**