

## SOLID STATE AREA LIGHTING

# RVLPT Series - PLED

### Luminaire

Heavy walled one-piece aluminum spinning with single reveal for additional rigidity. Housing is supported at six points (3 per side) by 6 aluminum curved tubular arms (.84" O.D.) cradled in a cast aluminum hub which serves as a post top fitter. Arms are welded to the inside of the housing edge and welded to the hub longitudinally. Hub contains a field-splice compartment and a cast aluminum cover.

### Arms

Three extruded aluminum (.84" O.D.; Alloy 6063-T1) arms are welded to each side of the cast aluminum pole top fitter. Arms are internally welded to the housing.

### PLED™ Optics

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

### LED Emitters

High output LED's are utilized with drive currents ranging from 350mA to 875mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

### LED Driver

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field installation.)

### Amber LED's

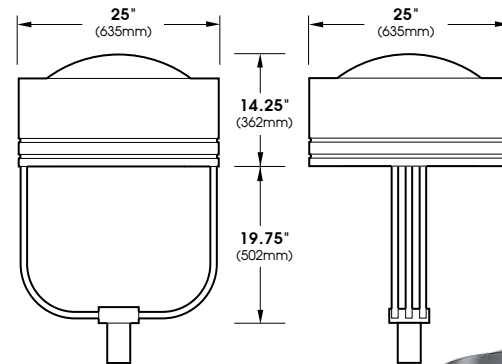
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

### Finish

Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.

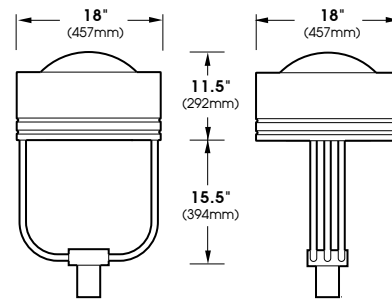
PROJECT NAME: \_\_\_\_\_

FIXTURE TYPE: \_\_\_\_\_



### RVL25PT

(Formerly RVLPT325)



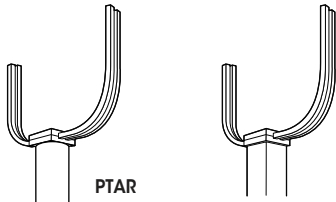
### RVL18PT

(Formerly RVLPT318)



BABA compliant

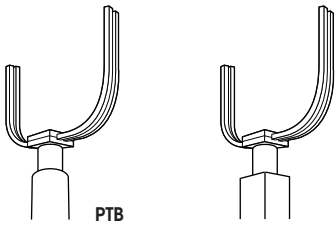
2025206

**SPECIFICATIONS**
**Mounting Styles**


Internal tenon assembly, Decorative ring supplied for 6" dia. and all SQ. poles.

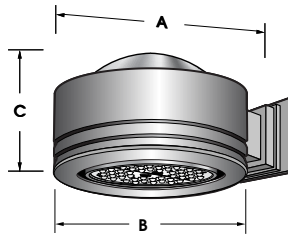
**PTAR4** - To fit inside 4" Round pole.  
**PTAR5** - To fit inside 5" Round pole.  
**PTAR6** - To fit inside 6" Round pole.

**PTAS4** - To fit inside 4" Square pole.  
**PTAS5** - To fit inside 5" Square pole.  
**PTAS6** - To fit inside 6" Square pole.  
**For any other pole sizes, please consult factory.**



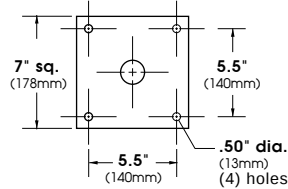
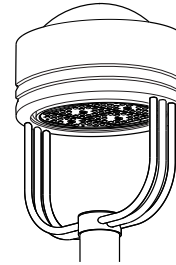
Luminaire's Tenon assemblies to fit over pole tenons ranging from 2 3/8" to 2 7/8" O.D. x 4" long  
**For any other pole tenon sizes, please consult factory.**

**PTB27** - To fit over 2 7/8" O.D. tenon. (standard)  
**PTB23** - To fit over 2 3/8" O.D. tenon.

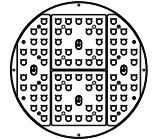
**Wall Mount**


| Fixture        | A                | B              | C                |
|----------------|------------------|----------------|------------------|
| <b>RVL25PT</b> | 33"<br>(838mm)   | 25"<br>(635mm) | 26"<br>(660mm)   |
| <b>RVL18PT</b> | 15.5"<br>(394mm) | 18"<br>(457mm) | 13.5"<br>(343mm) |

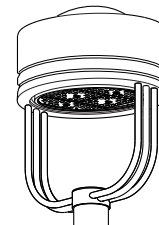
Extruded aluminum arm and cast aluminum wall bracket assembly provided with built in gasketed wire access for fixture/supply wire connection.

**Wall Plate**

**PLED™ Modules**


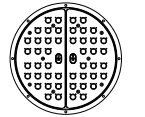
**RVL25PT** E.P.A. = 1.82  
 Available in:  
 80 LED Module Max



80 LED Module



**RVL18PT** E.P.A. = 1.13  
 Available in:  
 48 LED Module Max



48 LED Module

**ORDERING INFORMATION**

Spec/Order Example: RVL18PT/PLED-II/48LED-350mA/NW/347/1/7005-S

| Luminaire                                                                                                                                                       | Optics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LED Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Voltage                                                                                                                             | Mounting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Luminaire                                                                                                                                                       | Optics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Voltage                                                                                                                             | Mounting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <div><input type="checkbox"/> <b>RVL25PT-PLED</b><br/>(Formerly RVLPT325)</div> <div><input type="checkbox"/> <b>RVL18PT-PLED</b><br/>(Formerly RVLPT318)</div> | <div><b>PLED™</b><br/>Distribution Type</div> <div><div><input type="checkbox"/> Type II<br/><b>PLED-II</b></div><div><input type="checkbox"/> Type II Front Row<br/><b>PLED-II-FR</b></div><div><input type="checkbox"/> Type III Med.<br/><b>PLED-III-M</b></div><div><input type="checkbox"/> Type III Wide<br/><b>PLED-III-W</b></div><div><input type="checkbox"/> Type IV<br/><b>PLED-IV</b></div><div><input type="checkbox"/> Type IV<br/><b>PLED-IV-FT</b></div><div><input type="checkbox"/> Type V Narrow<br/><b>PLED-VSQ-N</b></div><div><input type="checkbox"/> Type V Med.<br/><b>PLED-V-SQ-M</b></div><div><input type="checkbox"/> Type V Wide<br/><b>PLED-V-SQ-W</b></div></div> | <div><div><div><b># of LEDs</b><br/><b>RVL25PT</b><div><input type="checkbox"/> 80LED<sup>1</sup><input type="checkbox"/> 48LED<input type="checkbox"/> 36LED</div></div><div><b>Drive Current</b><div><input type="checkbox"/> 1050mA<sup>2</sup><input type="checkbox"/> 875mA<sup>2</sup><input type="checkbox"/> 700mA<sup>2</sup><input type="checkbox"/> 525mA<input type="checkbox"/> 350mA</div></div><div><b>Color Temp - CCT</b><div><input type="checkbox"/> NW (4000K)*<div>*Standard</div><input type="checkbox"/> CW (5000K)<input type="checkbox"/> WW (3000K)<div>Other LED Colors Available<br/>Consult Factory</div></div></div></div><div><div><b>RVL18PT</b><div><input type="checkbox"/> 48LED<sup>1</sup><input type="checkbox"/> 36LED<input type="checkbox"/> 20LED</div></div><div><div>Amber<sup>3</sup><div><input type="checkbox"/> Phosphor<br/>Converted<br/>Amber<br/><b>PCA</b><sup>4</sup><input type="checkbox"/> True Amber<sup>5</sup><br/><b>TRA</b></div></div></div></div><div><div><b>NOTES:</b><div>1 - 875mA maximum</div><div>2 - 700mA and 875mA not for use with TRA LED's</div><div>3 - Narrow band Ambers have no Definable CCT equivalent</div><div>4 - 700mA maximum</div><div>5 - Available in 350mA &amp; 525mA drive currents only</div></div></div></div> | <div><div><input type="checkbox"/> UNV<br/>(120-277)<div><input type="checkbox"/> 347<input type="checkbox"/> 480</div></div></div> | <div><div><div><input type="checkbox"/> <b>PTAR4</b><input type="checkbox"/> <b>PTAR5</b><input type="checkbox"/> <b>PTAR6</b></div></div><div><div><div><input type="checkbox"/> <b>PTAS4</b><input type="checkbox"/> <b>PTAS5</b><input type="checkbox"/> <b>PTAS6</b></div></div><div><div><input type="checkbox"/> <b>PTB23</b><br/>(To fit 2 3/8" O.D.)<input type="checkbox"/> <b>PTB27</b><br/>(To fit 2 7/8" O.D.)</div><div>PTB's will fit a max. 4" tall tenon, if taller, please consult factory.<br/>See USALTG.COM for additional arm styles</div></div></div></div> | <div><div><b>Standard Textured Finish</b><div><input type="checkbox"/> Black<br/><b>9005-T</b><input type="checkbox"/> White<br/><b>9003-T</b><input type="checkbox"/> Grey<br/><b>7004-T</b><input type="checkbox"/> Dark Bronze<br/><b>8019-T</b><input type="checkbox"/> Green<br/><b>6005-T</b></div></div><div><div><b>Premium Finishes</b><div><input type="checkbox"/> Rust<input type="checkbox"/> Patina<br/>Copper<br/><b>PC</b></div><div>For smooth finish replace suffix "T" with suffix "S" (Example: 9500-S)<br/><br/>Consult factor for custom colors</div></div></div></div> | <div><div><input type="checkbox"/> Stem Mount + Length(in)<br/>(48" Max)<br/><b>SM+L</b><input type="checkbox"/> Chain Mount + Length(in)<br/>(48" Max)<br/><b>CM+L</b><input type="checkbox"/> Internal House Side Shield<br/>inc. LED Count<br/>(Example: HS-PLED/48)<br/><b>HS-PLED</b><input type="checkbox"/> Twist Lock Receptable<br/>Only<br/><b>TPR</b><input type="checkbox"/> 7-Pin Twist Lock<br/>Receptable Only<br/><b>TPR7</b><input type="checkbox"/> High-Low Dimming for<br/>Switch by Others/Select<br/>Levels 50/100 or 25/100<br/>(Example: HLSW/25)<br/><b>HLSW</b><input type="checkbox"/> Photo Cell + Voltage<br/>(Example: PC120V)<br/><b>PC+V</b><input type="checkbox"/> Single Fuse<br/>(120V, 277V)<br/><b>SF</b><input type="checkbox"/> Double Fuse<br/>(208V, 240V)<br/><b>DF</b><input type="checkbox"/> Blue-Tooth Programmable<br/>Photo/Motion Sensor<br/>(Factory - Motion 50/100;<br/>Photo 75(c))<br/><b>MS-F311</b></div></div> |

| LED Count | Source Type | Source                           | Initial Lumens - 4000K CCT | Initial Lumens - 3000K CCT | Initial Lumens - 5000K CCT | L70 greater than (HR) | Starting Temp. | System Watts | Volts | Max Input Amps |
|-----------|-------------|----------------------------------|----------------------------|----------------------------|----------------------------|-----------------------|----------------|--------------|-------|----------------|
| RVL18PT   |             |                                  |                            |                            |                            |                       |                |              |       |                |
| 20        | LED         | 20 PLED® Optical Module – 350mA  | 2842 – 3262                | 2700 – 3098                | 2984 – 3424                | 90,000+               | -40°F          | 22/28        | 120   | .19/.24        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .08/.11        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .07/.08        |
| 20        | LED         | 20 PLED® Optical Module – 525mA  | 4042 – 4637                | 3839 – 4405                | 4243 – 4868                | 90,000+               | -40°F          | 33/39        | 120   | .28/.33        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .12/.14        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .10/.12        |
| 20        | LED         | 20 PLED® Optical Module – 700mA  | 5083 – 5832                | 4829 – 5540                | 5337 – 6123                | 90,000+               | -40°F          | 44/50        | 120   | .37/.42        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .16/.18        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .13/.15        |
| 20        | LED         | 20 PLED® Optical Module – 875mA  | 6108 – 7008                | 5802 – 6657                | 6413 – 7358                | 90,000+               | -40°F          | 56/62        | 120   | .47/.52        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .21/.23        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .17/.18        |
| 20        | LED         | 20 PLED® Optical Module – 1050mA | 7086 – 8131                | 6732 – 7725                | 7441 – 8537                | 90,000+               | -40°F          | 67/73        | 120   | .56/.61        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .25/.27        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .20/.21        |
| 36        | LED         | 36 PLED® Optical Module – 350mA  | 5116 – 5871                | 4860 – 5577                | 5371 – 6164                | 90,000+               | -40°F          | 40/46        | 120   | .34/.39        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .15/.17        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .12/.14        |
| 36        | LED         | 36 PLED® Optical Module – 525mA  | 7274 – 8346                | 6910 – 7929                | 7638 – 8763                | 90,000+               | -40°F          | 60/66        | 120   | .50/.55        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .22/.24        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .18/.20        |
| 36        | LED         | 36 PLED® Optical Module – 700mA  | 9149 – 10497               | 8691 – 9972                | 9606 – 11022               | 90,000+               | -40°F          | 79/85        | 120   | .66/.71        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .29/.31        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .23/.25        |
| 36        | LED         | 36 PLED® Optical Module – 875mA  | 10994 – 12614              | 10444 – 11983              | 11544 – 13245              | 90,000+               | -40°F          | 101/107      | 120   | .85/.90        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .37/.39        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .30/.31        |
| 36        | LED         | 36 PLED® Optical Module – 1050mA | 12755 – 14635              | 12117 – 13903              | 13392 – 15367              | 90,000+               | -40°F          | 120/126      | 120   | 1.00/1.05      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .44/.46        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .35/.37        |
| 48        | LED         | 48 PLED® Optical Module – 350mA  | 6821 – 7827                | 6480 – 7435                | 7162 – 8218                | 90,000+               | -40°F          | 53/59        | 120   | .45/.50        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .20/.22        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .16/.17        |
| 48        | LED         | 48 PLED® Optical Module – 525mA  | 9699 – 11128               | 9214 – 10572               | 10183 – 11684              | 90,000+               | -40°F          | 79/85        | 120   | .66/.71        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .29/.31        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .23/.25        |
| 48        | LED         | 48 PLED® Optical Module – 700mA  | 12199 – 13398              | 11589 – 13296              | 12808 – 14696              | 90,000+               | -40°F          | 106/112      | 120   | .89/.94        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .39/.41        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .31/.33        |
| 48        | LED         | 48 PLED® Optical Module – 875mA  | 14659 – 16819              | 13926 – 15978              | 15392 – 17660              | 90,000+               | -40°F          | 134/140      | 120   | 1.12/1.17      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .49/.51        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .39/.41        |
| RVL25PT   |             |                                  |                            |                            |                            |                       |                |              |       |                |
| 36        | LED         | 36 PLED® Optical Module – 350mA  | 5126 – 5882                | 4870 – 5588                | 5383 – 6176                | 90,000+               | -40°F          | 40/46        | 120   | .34/.39        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .15/.17        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .12/.14        |
| 36        | LED         | 36 PLED® Optical Module – 525mA  | 7382 – 8470                | 7013 – 8047                | 7751 – 8894                | 90,000+               | -40°F          | 59/65        | 120   | .50/.55        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .23/.24        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .17/.19        |
| 36        | LED         | 36 PLED® Optical Module – 700mA  | 9362 – 10742               | 8894 – 10205               | 9830 – 11279               | 90,000+               | -40°F          | 79/85        | 120   | .66/.71        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .29/.31        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .23/.25        |
| 36        | LED         | 36 PLED® Optical Module – 875mA  | 10719 – 12298              | 10183 – 11682              | 11254 – 12913              | 90,000+               | -40°F          | 103/109      | 120   | .86/.91        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .38/.40        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .30/.32        |
| 36        | LED         | 36 PLED® Optical Module – 1050mA | 12435 – 14268              | 11813 – 13554              | 13057 – 14981              | 90,000+               | -40°F          | 116/122      | 120   | .97/1.02       |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .42/.44        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .34/.36        |
| 48        | LED         | 48 PLED® Optical Module – 350mA  | 6835 – 7843                | 6493 – 7450                | 7177 – 8235                | 90,000+               | -40°F          | 53/59        | 120   | .45/.50        |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | .20/.23        |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | .16/.17        |

| LED Count | Source Type | Source | Initial Lumens - 4000K CCT | Initial Lumens - 3000K CCT | Initial Lumens - 5000K CCT | L70 greater than (HR) | Starting Temp. | System Watts | Volts | Max Input Amps |
|-----------|-------------|--------|----------------------------|----------------------------|----------------------------|-----------------------|----------------|--------------|-------|----------------|
|-----------|-------------|--------|----------------------------|----------------------------|----------------------------|-----------------------|----------------|--------------|-------|----------------|

**RVL25PT**

|    |     |                                  |               |               |               |         |       |         |                   |                                 |
|----|-----|----------------------------------|---------------|---------------|---------------|---------|-------|---------|-------------------|---------------------------------|
| 48 | LED | 48 PLED® Optical Module - 525mA  | 9843 - 11294  | 9351 - 10729  | 10336 - 11859 | 90,000+ | -40°F | 78/84   | 120<br>277<br>347 | .65/.70<br>.29/.31<br>.23/.25   |
| 48 | LED | 48 PLED® Optical Module - 700mA  | 12483 - 14323 | 11859 - 13607 | 13107 - 15038 | 90,000+ | -40°F | 105/111 | 120<br>277<br>347 | .88/.93<br>.38/.40<br>.31/.32   |
| 48 | LED | 48 PLED® Optical Module - 875mA  | 14292 - 16397 | 13577 - 15577 | 15006 - 17217 | 90,000+ | -40°F | 137/143 | 120<br>277<br>347 | 1.15/1.20<br>.50/.52<br>.40/.42 |
| 48 | LED | 48 PLED® Optical Module - 1050mA | 16581 - 19024 | 15752 - 18073 | 17409 - 19975 | 90,000+ | -40°F | 154/160 | 120<br>277<br>347 | 1.29/1.34<br>.56/.58<br>.45/.47 |
| 80 | LED | 80 PLED® Optical Module - 350mA  | 11392 - 13071 | 10823 - 12418 | 11962 - 13724 | 90,000+ | -40°F | 88/94   | 120<br>277<br>347 | .74/.79<br>.32/.34<br>.26/.27   |
| 80 | LED | 80 PLED® Optical Module - 525mA  | 16406 - 18823 | 15585 - 17882 | 17226 - 19765 | 90,000+ | -40°F | 130/136 | 120<br>277<br>347 | 1.09/1.14<br>.47/.50<br>.38/.40 |
| 80 | LED | 80 PLED® Optical Module - 700mA  | 20805 - 23871 | 19765 - 22678 | 21845 - 25065 | 90,000+ | -40°F | 174/180 | 120<br>277<br>347 | 1.45/1.50<br>.63/.65<br>.50/.52 |
| 80 | LED | 80 PLED® Optical Module - 875mA  | 23819 - 27329 | 22628 - 25962 | 25010 - 28695 | 90,000+ | -40°F | 226/232 | 120<br>277<br>347 | 1.89/1.94<br>.82/.84<br>.66/.69 |

**Phosphor Converted Amber LED**
**RVL18PT**

|    |           |                                 |             |  |  |         |       |     |                   |                   |
|----|-----------|---------------------------------|-------------|--|--|---------|-------|-----|-------------------|-------------------|
| 20 | PCA - LED | 20 PLED® Optical Module - 350mA | 1478 - 1696 |  |  | 51,000+ | -40°F | 25  | 120<br>277<br>347 | .21<br>.10<br>.08 |
| 20 | PCA - LED | 20 PLED® Optical Module - 525mA | 2102 - 2411 |  |  | 51,000+ | -40°F | 37  | 120<br>277<br>347 | .31<br>.14<br>.11 |
| 20 | PCA - LED | 20 PLED® Optical Module - 700mA | 2643 - 3033 |  |  | 51,000+ | -40°F | 50  | 120<br>277<br>347 | .42<br>.18<br>.15 |
| 36 | PCA - LED | 36 PLED® Optical Module - 350mA | 2660 - 3053 |  |  | 51,000+ | -40°F | 45  | 120<br>277<br>347 | .38<br>.17<br>.13 |
| 36 | PCA - LED | 36 PLED® Optical Module - 525mA | 3783 - 4340 |  |  | 51,000+ | -40°F | 67  | 120<br>277<br>347 | .56<br>.25<br>.20 |
| 36 | PCA - LED | 36 PLED® Optical Module - 700mA | 4757 - 5459 |  |  | 51,000+ | -40°F | 89  | 120<br>277<br>347 | .75<br>.33<br>.26 |
| 48 | PCA - LED | 48 PLED® Optical Module - 350mA | 3547 - 4070 |  |  | 51,000+ | -40°F | 59  | 120<br>277<br>347 | .50<br>.22<br>.17 |
| 48 | PCA - LED | 48 PLED® Optical Module - 525mA | 5043 - 5787 |  |  | 51,000+ | -40°F | 89  | 120<br>277<br>347 | .75<br>.33<br>.26 |
| 48 | PCA - LED | 48 PLED® Optical Module - 700mA | 6343 - 7278 |  |  | 51,000+ | -40°F | 118 | 120<br>277<br>347 | .99<br>.43<br>.34 |

**RVL25PT**

|    |           |                                 |             |  |  |         |       |    |                   |                   |
|----|-----------|---------------------------------|-------------|--|--|---------|-------|----|-------------------|-------------------|
| 36 | PCA - LED | 36 PLED® Optical Module - 350mA | 2666 - 3059 |  |  | 51,000+ | -40°F | 45 | 120<br>277<br>347 | .38<br>.17<br>.13 |
| 36 | PCA - LED | 36 PLED® Optical Module - 525mA | 3839 - 4405 |  |  | 51,000+ | -40°F | 66 | 120<br>277<br>347 | .56<br>.24<br>.19 |

| LED Count | Source Type | Source | Initial Lumens - 4000K CCT | Initial Lumens - 3000K CCT | Initial Lumens - 5000K CCT | L70 greater than (HR) | Starting Temp. | System Watts | Volts | Max Input Amps |
|-----------|-------------|--------|----------------------------|----------------------------|----------------------------|-----------------------|----------------|--------------|-------|----------------|
|-----------|-------------|--------|----------------------------|----------------------------|----------------------------|-----------------------|----------------|--------------|-------|----------------|

## Phosphor Converted Amber LED

### RVL25PT

|    |           |                                 |               |  |  |         |       |     |                   |                    |
|----|-----------|---------------------------------|---------------|--|--|---------|-------|-----|-------------------|--------------------|
| 36 | PCA - LED | 36 PLED® Optical Module - 700mA | 4868 - 5586   |  |  | 51,000+ | -40°F | 88  | 120<br>277<br>347 | .74<br>.32<br>.26  |
| 48 | PCA - LED | 48 PLED® Optical Module - 350mA | 3554 - 4078   |  |  | 51,000+ | -40°F | 59  | 120<br>277<br>347 | .50<br>.22<br>.17  |
| 48 | PCA - LED | 48 PLED® Optical Module - 525mA | 5119 - 5873   |  |  | 51,000+ | -40°F | 87  | 120<br>277<br>347 | .73<br>.32<br>.25  |
| 48 | PCA - LED | 48 PLED® Optical Module - 700mA | 6491 - 7448   |  |  | 51,000+ | -40°F | 117 | 120<br>277<br>347 | .98<br>.43<br>.34  |
| 80 | PCA - LED | 80 PLED® Optical Module - 350mA | 11392 - 13071 |  |  | 51,000+ | -40°F | 98  | 120<br>277<br>347 | .82<br>.36<br>.29  |
| 80 | PCA - LED | 80 PLED® Optical Module - 525mA | 16406 - 18823 |  |  | 51,000+ | -40°F | 145 | 120<br>277<br>347 | 1.21<br>.52<br>.42 |
| 80 | PCA - LED | 80 PLED® Optical Module - 700mA | 20805 - 23871 |  |  | 51,000+ | -40°F | 195 | 120<br>277<br>347 | 1.63<br>.71<br>.57 |

## True Amber LED - 590nm

### RVL18PT

|    |           |                                 |             |  |  |         |       |    |                   |                   |
|----|-----------|---------------------------------|-------------|--|--|---------|-------|----|-------------------|-------------------|
| 20 | TRA - LED | 20 PLED® Optical Module - 350mA | 854 - 979   |  |  | 66,500+ | -40°F | 18 | 120<br>277<br>347 | .15<br>.07<br>.06 |
| 20 | TRA - LED | 20 PLED® Optical Module - 525mA | 1022 - 1172 |  |  | 66,500+ | -40°F | 26 | 120<br>277<br>347 | .22<br>.10<br>.08 |
| 36 | TRA - LED | 36 PLED® Optical Module - 350mA | 1536 - 1762 |  |  | 66,500+ | -40°F | 31 | 120<br>277<br>347 | .26<br>.12<br>.09 |
| 36 | TRA - LED | 36 PLED® Optical Module - 525mA | 1838 - 2109 |  |  | 66,500+ | -40°F | 47 | 120<br>277<br>347 | .40<br>.17<br>.14 |
| 48 | TRA - LED | 48 PLED® Optical Module - 350mA | 2048 - 2350 |  |  | 66,500+ | -40°F | 41 | 120<br>277<br>347 | .35<br>.15<br>.12 |
| 48 | TRA - LED | 48 PLED® Optical Module - 525mA | 2451 - 2812 |  |  | 66,500+ | -40°F | 62 | 120<br>277<br>347 | .52<br>.23<br>.18 |

### RVL25PT

|    |           |                                 |             |  |  |         |       |    |                   |                   |
|----|-----------|---------------------------------|-------------|--|--|---------|-------|----|-------------------|-------------------|
| 36 | TRA - LED | 36 PLED® Optical Module - 350mA | 1539 - 1766 |  |  | 66,500+ | -40°F | 31 | 120<br>277<br>347 | .26<br>.12<br>.09 |
| 36 | TRA - LED | 36 PLED® Optical Module - 525mA | 1866 - 2140 |  |  | 66,500+ | -40°F | 46 | 120<br>277<br>347 | .39<br>.18<br>.14 |
| 48 | TRA - LED | 48 PLED® Optical Module - 350mA | 2053 - 2355 |  |  | 66,500+ | -40°F | 41 | 120<br>277<br>347 | .35<br>.19<br>.12 |
| 48 | TRA - LED | 48 PLED® Optical Module - 525mA | 2488 - 2854 |  |  | 66,500+ | -40°F | 61 | 120<br>277<br>347 | .51<br>.22<br>.18 |
| 80 | TRA - LED | 80 PLED® Optical Module - 350mA | 3421 - 3925 |  |  | 66,500+ | -40°F | 67 | 120<br>277<br>347 | .56<br>.25<br>.20 |

| LED Count              | Source Type | Source | Initial Lumens - 4000K CCT | Initial Lumens - 3000K CCT | Initial Lumens - 5000K CCT | L70 greater than (HR) | Starting Temp. | System Watts | Volts | Max Input Amps |
|------------------------|-------------|--------|----------------------------|----------------------------|----------------------------|-----------------------|----------------|--------------|-------|----------------|
| True Amber LED - 590nm |             |        |                            |                            |                            |                       |                |              |       |                |

## RVL25PT

|    |           |                                 |             |  |  |         |       |     |                                              |                                              |
|----|-----------|---------------------------------|-------------|--|--|---------|-------|-----|----------------------------------------------|----------------------------------------------|
| 80 | TRA - LED | 80 PLED® Optical Module - 525mA | 4146 - 4757 |  |  | 66,500+ | -40°F | 101 | <div>120</div> <div>277</div> <div>347</div> | <div>.85</div> <div>.37</div> <div>.30</div> |
|----|-----------|---------------------------------|-------------|--|--|---------|-------|-----|----------------------------------------------|----------------------------------------------|

- 1) Max Input Amps is the highest of starting, operating, or open circuit currents
- 2) System Watts includes the source watts and all driver components.
- 3) Lumen values for LED Modules vary according to the distribution type
- 4) For Wattage and Max Input Amps showing two values, use the higher value for luminaires with lit uplight windows (-L & -M)
- 5) PCA and TRA LED optics not recommended for use with lit uplight window models (-L & -M)
- 6) Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 20KV surge suppressors.
- 7) L70(10K) - TM-21 6x rule applied

**WARNING:** All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

## SOLID STATE AREA LIGHTING

# RVLPT Series - VLED

### Luminaire and Arm

Heavy walled one-piece aluminum spinning with single reveal for additional rigidity. Housing is supported at six points (3 per side) by 6 aluminum curved tubular arms (.84" O.D.) cradled in a cast aluminum hub which serves as a post top fitter. Arms are welded to the inside of the housing edge and welded to the hub longitudinally. Hub contains a field-splice compartment and a cast aluminum cover.

### Arms

Three extruded aluminum (.84" O.D.; Alloy 6063-T1) arms are welded to each side of the cast aluminum pole top fitter. Arms are internally welded to the housing.

### VLED® Optics

Low copper (A356 Alloy; <0.2% Cu) cast aluminum housing. Integrated clear tempered glass lens sealed with a continuous silicone gasket protects emitters (LED's), Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. Module is sealed to meet an IP67 rating. Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism is secured to an optical plate made of matte black anodized aluminum has indexing pins for precise aiming. The optical plate locates every Reflector-Prism over an emitter, are inserted to the optical plate from above and are secured with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord.

### LED Emitters

High output LED's are utilized with drive currents ranging from 350mA to 700mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

### LED Driver

Constant current programmable electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field installation.)

### Amber LED's

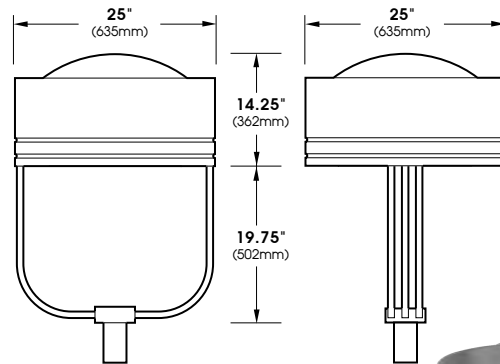
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

### Finish

Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.

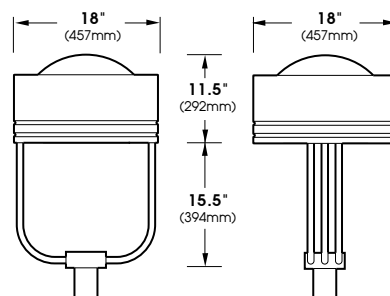
PROJECT NAME: \_\_\_\_\_

FIXTURE TYPE: \_\_\_\_\_



### RVL25PT

(Formerly RVPPT325)



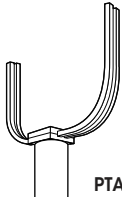
### RVL18PT

(Formerly RVPPT318)

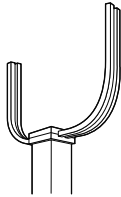
2025206

## SPECIFICATIONS

### Mounting Styles



PTAR



PTAS

Internal tenon assembly. Decorative ring supplied for 6" dia. and all SQ. poles.

**PTAR4** - To fit inside 4" Round pole.

**PTAR5** - To fit inside 5" Round pole.

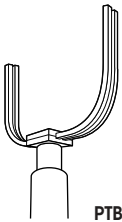
**PTAR6** - To fit inside 6" Round pole.

**PTAS4** - To fit inside 4" Square pole.

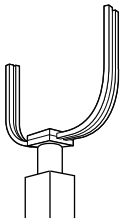
**PTAS5** - To fit inside 5" Square pole.

**PTAS6** - To fit inside 6" Square pole.

**For any other size poles, please consult factory.**



PTB



PTB

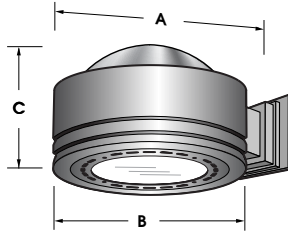
Luminaire's Tenon assemblies to fit over pole tenons ranging from 2 3/8" to 2 7/8" O.D. x 4" long

**For any other pole tenon sizes, please consult factory.**

**PTB27** - To fit over 2 7/8" O.D. tenon. (standard)

**PTB23** - To fit over 2 3/8" O.D. tenon.

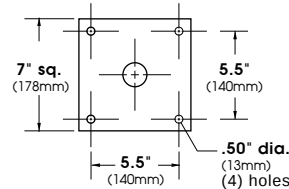
### Wall Mount



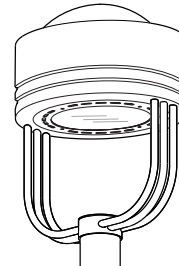
| Fixture        | A              | B              | C                |
|----------------|----------------|----------------|------------------|
| <b>RVL25PT</b> | 31"<br>(787mm) | 25"<br>(635mm) | 14"<br>(356mm)   |
| <b>RVL18PT</b> | 24"<br>(610mm) | 18"<br>(457mm) | 11.5"<br>(292mm) |

Extruded aluminum arm and cast aluminum wall bracket assembly provided with built in gasketed wire access for fixture/supply wire connection.

### Wall Plate

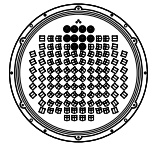


### LED Power Array™ Modules

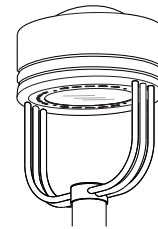


**RVL25PT** E.P.A.= 1.82

Available in:  
48 LED Module Max

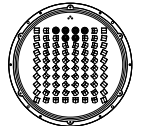


120 LED Module



**RVL18PT** E.P.A.= 1.13

Available in:  
36 LED Module Max



80 LED Module

## ORDERING INFORMATION

Spec/Order Example: RVL25PT/VLED-III-W/80LED-525mA/NW/277/1/RAL-7005-S

| Luminaire                                                                                                                                      | Optics                                                                                                                                                                                                                                                                                | LED Mode                                                                                                                                                                                        |                                                                                                                     |                                                                                                                                                                                                          | Voltage                                                                                                           | Mounting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Luminaire                                                                                                                                      | Optics                                                                                                                                                                                                                                                                                | LED                                                                                                                                                                                             |                                                                                                                     |                                                                                                                                                                                                          | Voltage                                                                                                           | Mounting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <input type="checkbox"/> <b>RVL25PT-VLED</b><br>(Formerly RVLPT325)<br><br><input type="checkbox"/> <b>RVL18PT-VLED</b><br>(Formerly RVLPT318) | <b>VLED®</b><br>IES Distribution Type<br><br><input type="checkbox"/> Type II<br><b>VLED-II</b><br><br><input type="checkbox"/> Type III<br><b>VLED-III</b><br><br><input type="checkbox"/> Type IV<br><b>VLED-IV</b><br><br><input type="checkbox"/> Type V Med.<br><b>VLED-V-SQ</b> | # of LEDs<br><b>RVL25PT</b><br><input type="checkbox"/> 120LED <sup>1</sup><br><input type="checkbox"/> 100LED <sup>1</sup><br><input type="checkbox"/> 80LED<br><input type="checkbox"/> 64LED | Drive Current<br><input type="checkbox"/> 700mA<br><input type="checkbox"/> 525mA<br><input type="checkbox"/> 350mA | Color Temp - CCT<br><input type="checkbox"/> NW (4000K)*<br>*Standard<br><input type="checkbox"/> CW (5000K)<br><input type="checkbox"/> WW (3000K)<br><br>Other LED Colors Available<br>Consult Factory | <input type="checkbox"/> UNV<br>(120-277)<br><br><input type="checkbox"/> 347<br><br><input type="checkbox"/> 480 | <br><input type="checkbox"/> <b>PTAR4</b><br><input type="checkbox"/> <b>PTAR5</b><br><input type="checkbox"/> <b>PTAR6</b><br><br><input type="checkbox"/> <b>PTAS4</b><br><input type="checkbox"/> <b>PTAS5</b><br><input type="checkbox"/> <b>PTAS6</b><br><br><input type="checkbox"/> <b>PTB23</b><br>(To fit 2 3/8" O.D.)<br><br><input type="checkbox"/> <b>PTB27</b><br>(To fit 2 7/8" O.D.)<br><br>PTB's will fit a max 4" tall tenon, if taller, please consult factory.<br>See USALTG.COM for additional arm styles | <b>Standard Textured Finish</b><br><input type="checkbox"/> Black<br><b>9005-T</b><br><input type="checkbox"/> White<br><b>9003-T</b><br><input type="checkbox"/> Grey<br><b>7004-T</b><br><input type="checkbox"/> Dark Bronze<br><b>8019-T</b><br><input type="checkbox"/> Green<br><b>6005-T</b><br><br><b>Premium Finishes</b><br><input type="checkbox"/> Rust<br><input type="checkbox"/> Patina<br><input type="checkbox"/> Copper<br><b>PC</b><br><br>For smooth finish replace suffix "T" with suffix "S" (Example: 9500-S)<br><br>Consult factory for custom colors | <input type="checkbox"/> Internal House Side Shields inc. LED Count (Example: HS-VLED/48) <b>HS-VLED</b><br><br><input type="checkbox"/> Twist Lock Receptable Only <b>TPR</b><br><br><input type="checkbox"/> 7-Pin Twist Lock Receptable Only <b>TPR7</b><br><br><input type="checkbox"/> High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) <b>HLSW</b><br><br><input type="checkbox"/> Photo Cell + Voltage (Example: PC120V) <b>PC+V</b><br><input type="checkbox"/> Single Fuse (120V, 277V) <b>SF</b><br><input type="checkbox"/> Double Fuse (208V, 240V) <b>DF</b><br><br><input type="checkbox"/> Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75/c) <b>MS-F211</b><br><br><input type="checkbox"/> Remote Motion Sensor Configurator <b>MS-FC10</b> |
|                                                                                                                                                |                                                                                                                                                                                                                                                                                       | <b>RVL18PT</b><br><input type="checkbox"/> 80LED <sup>1</sup><br><input type="checkbox"/> 64LED<br><input type="checkbox"/> 48LED                                                               |                                                                                                                     | Amber <sup>2</sup><br><input type="checkbox"/> Phosphor Converted Amber<br><b>PCA</b><br><input type="checkbox"/> True Amber <sup>1</sup><br><b>TRA</b>                                                  |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

#### NOTES:

- 1 - Available in 350mA & 525mA Drive Currents only
- 2 - Narrow band Ambers have no definable CCT equivalent

| LED Count | Source Type | Source                           | Initial Lumens - 4000K CCT | Initial Lumens - 3000K CCT | Initial Lumens - 5000K CCT | L70 greater than (HR) | Starting Temp. | System Watts | Volts | Max Input Amps |
|-----------|-------------|----------------------------------|----------------------------|----------------------------|----------------------------|-----------------------|----------------|--------------|-------|----------------|
| RVL18PT   |             |                                  |                            |                            |                            |                       |                |              |       |                |
| 48        | White LED   | 48 VLED® Optical Module – 350mA  | 6169 - 6558                | 5860 - 6230                | 6478 - 6886                | 90,000+               | -40°C          | 53/59        | 120   | 0.44/0.49      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.19/0.21      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.15/0.17      |
| 48        | White LED   | 48 VLED® Optical Module – 525mA  | 8494 - 9031                | 8069 - 8579                | 8919 - 9482                | 90,000+               | -40°C          | 77/83        | 120   | 0.64/0.69      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.28/0.3       |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.22/0.24      |
| 48        | White LED   | 48 VLED® Optical Module – 700mA  | 10635 - 11307              | 10103 - 10742              | 11167 - 11872              | 90,000+               | -40°C          | 103/109      | 120   | 0.86/0.91      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.37/0.39      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.3/0.31       |
| 64        | White LED   | 64 VLED® Optical Module – 350mA  | 8225 - 8338                | 7813 - 7921                | 8636 - 8755                | 90,000+               | -40°C          | 69/75        | 120   | 0.58/0.63      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.25/0.27      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.2/0.22       |
| 64        | White LED   | 64 VLED® Optical Module – 525mA  | 11325 - 11481              | 10759 - 10907              | 11891 - 12055              | 90,000+               | -40°C          | 102/108      | 120   | 0.85/0.9       |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.37/0.39      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.29/0.31      |
| 80        | White LED   | 80 VLED® Optical Module – 350mA  | 9675 - 9808                | 9191 - 9317                | 10159 - 10298              | 90,000+               | -40°C          | 87/93        | 120   | 0.73/0.78      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.31/0.34      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.25/0.27      |
| 80        | White LED   | 80 VLED® Optical Module – 525mA  | 13189 - 13370              | 12529 - 12701              | 13848 - 14038              | 90,000+               | -40°C          | 127/133      | 120   | 1.06/1.11      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.46/0.48      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.37/0.38      |
| RVL25PT   |             |                                  |                            |                            |                            |                       |                |              |       |                |
| 48        | White LED   | 48 VLED® Optical Module – 350mA  | 6169 - 6558                | 5860 - 6230                | 6478 - 6886                | 90,000+               | -40°C          | 53/59        | 120   | 0.44/0.49      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.19/0.21      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.15/0.17      |
| 48        | White LED   | 48 VLED® Optical Module – 525mA  | 8494 - 9031                | 8069 - 8579                | 8919 - 9482                | 90,000+               | -40°C          | 75/81        | 120   | 0.63/0.68      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.27/0.29      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.22/0.23      |
| 48        | White LED   | 48 VLED® Optical Module – 700mA  | 10635 - 11307              | 10103 - 10742              | 11167 - 11872              | 90,000+               | -40°C          | 105/111      | 120   | 0.88/0.93      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.38/0.4       |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.3/0.32       |
| 64        | White LED   | 64 VLED® Optical Module – 350mA  | 8225 - 8745                | 7813 - 8308                | 8636 - 9183                | 90,000+               | -40°C          | 71/77        | 120   | 0.59/0.64      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.26/0.28      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.2/0.22       |
| 64        | White LED   | 64 VLED® Optical Module – 525mA  | 11325 - 12042              | 10759 - 11440              | 11891 - 12644              | 90,000+               | -40°C          | 103/109      | 120   | 0.86/0.91      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.37/0.39      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.3/0.31       |
| 64        | White LED   | 64 VLED® Optical Module – 700mA  | 13190 - 13824              | 12531 - 13133              | 13849 - 14516              | 90,000+               | -40°C          | 140/146      | 120   | 1.17/1.22      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.51/0.53      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.4/0.42       |
| 80        | White LED   | 80 VLED® Optical Module – 350mA  | 9675 - 10286               | 9191 - 9772                | 10159 - 10801              | 90,000+               | -40°C          | 87/93        | 120   | 0.73/0.78      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.31/0.34      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.25/0.27      |
| 80        | White LED   | 80 VLED® Optical Module – 525mA  | 13189 - 14023              | 12529 - 13322              | 13848 - 14724              | 90,000+               | -40°C          | 127/133      | 120   | 1.06/1.11      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.46/0.48      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.37/0.38      |
| 80        | White LED   | 80 VLED® Optical Module – 700mA  | 16487 - 17280              | 15662 - 16416              | 17311 - 18144              | 90,000+               | -40°C          | 173/179      | 120   | 1.44/1.49      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.62/0.65      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.5/0.52       |
| 100       | White LED   | 100 VLED® Optical Module – 350mA | 11776 - 12304              | 11187 - 11689              | 12365 - 12919              | 90,000+               | -40°C          | 108/114      | 120   | 0.9/0.95       |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.39/0.41      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.31/0.33      |
| 100       | White LED   | 100 VLED® Optical Module – 525mA | 16291 - 17025              | 15476 - 16174              | 17106 - 17877              | 90,000+               | -40°C          | 160/166      | 120   | 1.33/1.38      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.58/0.6       |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.46/0.48      |
| 120       | White LED   | 120 VLED® Optical Module – 350mA | 14129 - 14765              | 13423 - 14027              | 14836 - 15503              | 90,000+               | -40°C          | 129/135      | 120   | 1.08/1.13      |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.47/0.49      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.37/0.39      |
| 120       | White LED   | 120 VLED® Optical Module – 525mA | 19549 - 20430              | 18572 - 19408              | 20527 - 21451              | 90,000+               | -40°C          | 192/198      | 120   | 1.6/1.65       |
|           |             |                                  |                            |                            |                            |                       |                |              | 277   | 0.69/0.71      |
|           |             |                                  |                            |                            |                            |                       |                |              | 347   | 0.55/0.57      |

| LED Count                    | Source Type | Source                           | Initial Lumens | L70 greater than (HR) | Starting Temp. | System Watts | Volts | Max Input Amps |
|------------------------------|-------------|----------------------------------|----------------|-----------------------|----------------|--------------|-------|----------------|
| Phosphor Converted Amber LED |             |                                  |                |                       |                |              |       |                |
| RVL18PT                      |             |                                  |                |                       |                |              |       |                |
| 48                           | PC Amber    | 48 VLED® Optical Module – 350mA  | 3208 - 3410    | 51,000+               | -40°C          | 59           | 120   | 0.49           |
|                              |             |                                  |                |                       |                |              | 277   | 0.21           |
|                              |             |                                  |                |                       |                |              | 347   | 0.17           |
| 48                           | PC Amber    | 48 VLED® Optical Module – 525mA  | 4417 - 4696    | 51,000+               | -40°C          | 86           | 120   | 0.72           |
|                              |             |                                  |                |                       |                |              | 277   | 0.31           |
|                              |             |                                  |                |                       |                |              | 347   | 0.25           |
| 48                           | PC Amber    | 48 VLED® Optical Module – 700mA  | 5530 - 5880    | 51,000+               | -40°C          | 115          | 120   | 0.96           |
|                              |             |                                  |                |                       |                |              | 277   | 0.42           |
|                              |             |                                  |                |                       |                |              | 347   | 0.33           |
| 64                           | PC Amber    | 64 VLED® Optical Module – 350mA  | 4277 - 4547    | 51,000+               | -40°C          | 80           | 120   | 0.67           |
|                              |             |                                  |                |                       |                |              | 277   | 0.29           |
|                              |             |                                  |                |                       |                |              | 347   | 0.23           |
| 64                           | PC Amber    | 64 VLED® Optical Module – 525mA  | 5889 - 6262    | 51,000+               | -40°C          | 114          | 120   | 0.95           |
|                              |             |                                  |                |                       |                |              | 277   | 0.41           |
|                              |             |                                  |                |                       |                |              | 347   | 0.33           |
| 80                           | PC Amber    | 80 VLED® Optical Module – 350mA  | 5031 - 5349    | 51,000+               | -40°C          | 97           | 120   | 0.81           |
|                              |             |                                  |                |                       |                |              | 277   | 0.35           |
|                              |             |                                  |                |                       |                |              | 347   | 0.28           |
| 80                           | PC Amber    | 80 VLED® Optical Module – 525mA  | 6858 - 7292    | 51,000+               | -40°C          | 142          | 120   | 1.18           |
|                              |             |                                  |                |                       |                |              | 277   | 0.51           |
|                              |             |                                  |                |                       |                |              | 347   | 0.41           |
| RVL25PT                      |             |                                  |                |                       |                |              |       |                |
| 48                           | PC Amber    | 48 VLED® Optical Module – 350mA  | 3208 - 3410    | 51,000+               | -40°C          | 60           | 120   | 0.50           |
|                              |             |                                  |                |                       |                |              | 277   | 0.22           |
|                              |             |                                  |                |                       |                |              | 347   | 0.17           |
| 48                           | PC Amber    | 48 VLED® Optical Module – 525mA  | 4417 - 4696    | 51,000+               | -40°C          | 84           | 120   | 0.70           |
|                              |             |                                  |                |                       |                |              | 277   | 0.30           |
|                              |             |                                  |                |                       |                |              | 347   | 0.24           |
| 48                           | PC Amber    | 48 VLED® Optical Module – 700mA  | 5530 - 5880    | 51,000+               | -40°C          | 118          | 120   | 0.98           |
|                              |             |                                  |                |                       |                |              | 277   | 0.43           |
|                              |             |                                  |                |                       |                |              | 347   | 0.34           |
| 64                           | PC Amber    | 64 VLED® Optical Module – 350mA  | 4277 - 4547    | 51,000+               | -40°C          | 80           | 120   | 0.67           |
|                              |             |                                  |                |                       |                |              | 277   | 0.29           |
|                              |             |                                  |                |                       |                |              | 347   | 0.23           |
| 64                           | PC Amber    | 64 VLED® Optical Module – 525mA  | 5889 - 6262    | 51,000+               | -40°C          | 116          | 120   | 0.97           |
|                              |             |                                  |                |                       |                |              | 277   | 0.42           |
|                              |             |                                  |                |                       |                |              | 347   | 0.33           |
| 64                           | PC Amber    | 64 VLED® Optical Module – 700mA  | 6859 - 7189    | 51,000+               | -40°C          | 157          | 120   | 1.31           |
|                              |             |                                  |                |                       |                |              | 277   | 0.57           |
|                              |             |                                  |                |                       |                |              | 347   | 0.45           |
| 80                           | PC Amber    | 80 VLED® Optical Module – 350mA  | 5031 - 5349    | 51,000+               | -40°C          | 98           | 120   | 0.82           |
|                              |             |                                  |                |                       |                |              | 277   | 0.35           |
|                              |             |                                  |                |                       |                |              | 347   | 0.28           |
| 80                           | PC Amber    | 80 VLED® Optical Module – 525mA  | 6858 - 7292    | 51,000+               | -40°C          | 142          | 120   | 1.18           |
|                              |             |                                  |                |                       |                |              | 277   | 0.51           |
|                              |             |                                  |                |                       |                |              | 347   | 0.41           |
| 80                           | PC Amber    | 80 VLED® Optical Module – 700mA  | 8573 - 8986    | 51,000+               | -40°C          | 194          | 120   | 1.62           |
|                              |             |                                  |                |                       |                |              | 277   | 0.70           |
|                              |             |                                  |                |                       |                |              | 347   | 0.56           |
| 100                          | PC Amber    | 100 VLED® Optical Module – 350mA | 6124 - 6398    | 51,000+               | -40°C          | 121          | 120   | 1.01           |
|                              |             |                                  |                |                       |                |              | 277   | 0.44           |
|                              |             |                                  |                |                       |                |              | 347   | 0.35           |
| 100                          | PC Amber    | 100 VLED® Optical Module – 525mA | 8471 - 8853    | 51,000+               | -40°C          | 179          | 120   | 1.49           |
|                              |             |                                  |                |                       |                |              | 277   | 0.65           |
|                              |             |                                  |                |                       |                |              | 347   | 0.52           |
| 120                          | PC Amber    | 120 VLED® Optical Module – 350mA | 7347 - 7678    | 51,000+               | -40°C          | 145          | 120   | 1.21           |
|                              |             |                                  |                |                       |                |              | 277   | 0.52           |
|                              |             |                                  |                |                       |                |              | 347   | 0.42           |
| 120                          | PC Amber    | 120 VLED® Optical Module – 525mA | 10166 - 10624  | 51,000+               | -40°C          | 215          | 120   | 1.79           |
|                              |             |                                  |                |                       |                |              | 277   | 0.78           |
|                              |             |                                  |                |                       |                |              | 347   | 0.62           |

| LED Count | Source Type | Source | Initial Lumens | L70 greater than (HR) | Starting Temp. | System Watts | Volts | Max Input Amps |
|-----------|-------------|--------|----------------|-----------------------|----------------|--------------|-------|----------------|
|-----------|-------------|--------|----------------|-----------------------|----------------|--------------|-------|----------------|

## True Amber LED - 590nm

### RVL18PT

|    |            |                                 |             |         |       |    |     |      |
|----|------------|---------------------------------|-------------|---------|-------|----|-----|------|
| 48 | True Amber | 48 VLED® Optical Module - 350mA | 1841 - 1957 | 66,500+ | -40°C | 41 | 120 | 0.34 |
|    |            |                                 |             |         |       |    | 277 | 0.15 |
|    |            |                                 |             |         |       |    | 347 | 0.12 |
| 48 | True Amber | 48 VLED® Optical Module - 525mA | 2535 - 2695 | 66,500+ | -40°C | 60 | 120 | 0.50 |
|    |            |                                 |             |         |       |    | 277 | 0.22 |
|    |            |                                 |             |         |       |    | 347 | 0.17 |
| 64 | True Amber | 64 VLED® Optical Module - 350mA | 2454 - 2610 | 66,500+ | -40°C | 55 | 120 | 0.46 |
|    |            |                                 |             |         |       |    | 277 | 0.20 |
|    |            |                                 |             |         |       |    | 347 | 0.16 |
| 64 | True Amber | 64 VLED® Optical Module - 525mA | 3379 - 3593 | 66,500+ | -40°C | 80 | 120 | 0.67 |
|    |            |                                 |             |         |       |    | 277 | 0.29 |
|    |            |                                 |             |         |       |    | 347 | 0.23 |
| 80 | True Amber | 80 VLED® Optical Module - 350mA | 2887 - 3070 | 66,500+ | -40°C | 66 | 120 | 0.55 |
|    |            |                                 |             |         |       |    | 277 | 0.24 |
|    |            |                                 |             |         |       |    | 347 | 0.19 |
| 80 | True Amber | 80 VLED® Optical Module - 525mA | 3936 - 4185 | 66,500+ | -40°C | 98 | 120 | 0.82 |
|    |            |                                 |             |         |       |    | 277 | 0.35 |
|    |            |                                 |             |         |       |    | 347 | 0.28 |

### RVL25PT

|     |            |                                  |             |         |       |     |     |      |
|-----|------------|----------------------------------|-------------|---------|-------|-----|-----|------|
| 48  | True Amber | 48 VLED® Optical Module - 350mA  | 1841 - 1957 | 66,500+ | -40°C | 41  | 120 | 0.34 |
|     |            |                                  |             |         |       |     | 277 | 0.15 |
|     |            |                                  |             |         |       |     | 347 | 0.12 |
| 48  | True Amber | 48 VLED® Optical Module - 525mA  | 2535 - 2695 | 66,500+ | -40°C | 58  | 120 | 0.48 |
|     |            |                                  |             |         |       |     | 277 | 0.21 |
|     |            |                                  |             |         |       |     | 347 | 0.17 |
| 64  | True Amber | 64 VLED® Optical Module - 350mA  | 2454 - 2610 | 66,500+ | -40°C | 55  | 120 | 0.46 |
|     |            |                                  |             |         |       |     | 277 | 0.20 |
|     |            |                                  |             |         |       |     | 347 | 0.16 |
| 64  | True Amber | 64 VLED® Optical Module - 525mA  | 3379 - 3593 | 66,500+ | -40°C | 80  | 120 | 0.67 |
|     |            |                                  |             |         |       |     | 277 | 0.29 |
|     |            |                                  |             |         |       |     | 347 | 0.23 |
| 80  | True Amber | 80 VLED® Optical Module - 350mA  | 2887 - 3070 | 66,500+ | -40°C | 67  | 120 | 0.56 |
|     |            |                                  |             |         |       |     | 277 | 0.24 |
|     |            |                                  |             |         |       |     | 347 | 0.19 |
| 80  | True Amber | 80 VLED® Optical Module - 525mA  | 3936 - 4185 | 66,500+ | -40°C | 98  | 120 | 0.82 |
|     |            |                                  |             |         |       |     | 277 | 0.35 |
|     |            |                                  |             |         |       |     | 347 | 0.28 |
| 100 | True Amber | 100 VLED® Optical Module - 350mA | 3514 - 3672 | 66,500+ | -40°C | 83  | 120 | 0.69 |
|     |            |                                  |             |         |       |     | 277 | 0.30 |
|     |            |                                  |             |         |       |     | 347 | 0.24 |
| 100 | True Amber | 100 VLED® Optical Module - 525mA | 4861 - 5080 | 66,500+ | -40°C | 123 | 120 | 1.03 |
|     |            |                                  |             |         |       |     | 277 | 0.44 |
|     |            |                                  |             |         |       |     | 347 | 0.35 |
| 120 | True Amber | 120 VLED® Optical Module - 350mA | 4216 - 4406 | 66,500+ | -40°C | 99  | 120 | 0.83 |
|     |            |                                  |             |         |       |     | 277 | 0.36 |
|     |            |                                  |             |         |       |     | 347 | 0.29 |
| 120 | True Amber | 120 VLED® Optical Module - 525mA | 5834 - 6097 | 66,500+ | -40°C | 148 | 120 | 1.23 |
|     |            |                                  |             |         |       |     | 277 | 0.53 |
|     |            |                                  |             |         |       |     | 347 | 0.43 |