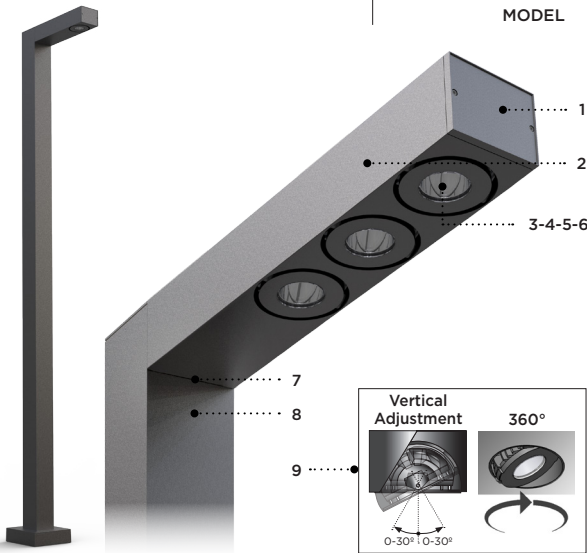


TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:

MODEL LED LIGHT REFLECTOR POLE VOLTAGE FINISH OPTION OPTION

SELECTION



- 1- Front cover constructed of corrosion resistant cast aluminum.
- 2- 4.5" (114mm) x 6" (152mm) Extruded aluminum optical chamber.
- 3- Sealed cast aluminum light assembly.
- 4- Sealed cast aluminum lens frame.
- 5- Clear tempered glass lens.
- 6- Faceted specular aluminum reflector.
- 7- Heavy gauge steel mounting plate with leveling adjustment (5° total). Head mounting height can be customized upon request (contact factory).
- 8- 6" (152mm) x 6" (152mm) 6061-T6 aluminum pole. 0.25" thick.
- 9- LED module is designed with a tilting mechanism allowing forward and back light adjustability. The ±30° directional module allows to aim the light beam in the desired direction. Fully adjustable 360° rotation. Each module can be adjusted independently.



All stainless steel hardware.

MATERIALS

Bellevue is made of 6063-T6 extruded aluminum alloy. Cast parts are made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%.

The sealed LED light module is designed for optimal heat dissipation, and lighting performance. The back cast aluminum cover includes ventilation slots allowing air circulation and cooling of assembly.

The driver is mounted either in the pole access door (Single Head Configuration) or in the pole top cap (P2, P290, P3, P4) for ease of maintenance

ELECTRICAL

DRIVER Standard driver is 120-277V multi-volt compatibility (50-60Hz), 0-10V dimming-ready (dims to 10%). Optional 347/480V, operating temperatures of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection, output short circuit protection with auto-recovery.

LED Offered in 2700K, 3000K, 3500K, 4000K. See the CCT options for details. Optional true amber LED for turtle sensitive areas. Wavelengths: 584.5nm to 597nm.

LIFETIME

60,000hrs L₇₀B₅₀ (based on IESNA TM-21 Test Method and LM-80 data).
Up to 70,000hrs L₇₀B₅₀ (calculated projection from LM-80 data)

FINISH

Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION

Tested to UL1598 and CSA 22.2 #250. ETL listed wet location.

Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards. Rated IP65.

MOUNTING

Maximum weight: 23 lbs (10.4 kg)

Bellevue is designed for ease of access and installation.

The head is secured on the pole by a set of (4) 5/16-18 bolts.

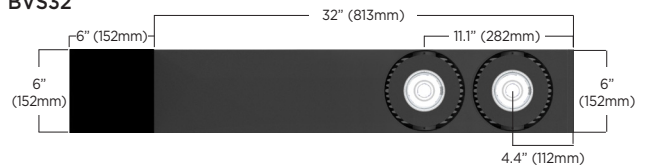
The cast aluminum base plate is secured with a set of (4) 3/4-10 x 18" lg. galvanized anchor bolts. Accessibility is done through a flush mount 3" x 10" (76 x 254) hand hole cover plate. See page 3 for pole base mounting details.

BVS21



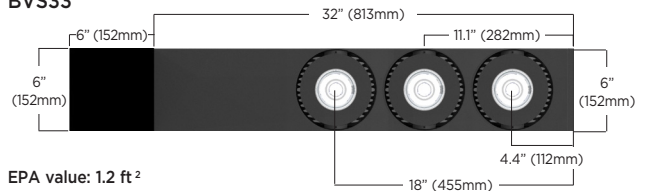
EPA value: 0.75 ft²

BVS32



EPA value: 1.2 ft²

BVS33






EPA value: 1.2 ft²



BVS21/BVS31/BVS32 SERIES

Bellevue - LED

LUMINAIRE SELECTION

1 MODEL	2 LED LIGHT SELECTION (4000K/ 80CRI)	3 REFLECTOR	4 POLE	5 VOLTAGE ¹	6 FINISH																																																																													
 <input type="checkbox"/> BVS21  <input type="checkbox"/> BVS32  <input type="checkbox"/> BVS33	<table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS</th> <th>INPUT WATTS</th> </tr> </thead> <tbody> <tr> <td rowspan="3">BVS21</td> <td><input type="checkbox"/> L1L15</td> <td>1481</td> <td>14</td> </tr> <tr> <td><input type="checkbox"/> L1L25</td> <td>2386</td> <td>24</td> </tr> <tr> <td><input type="checkbox"/> L1L35</td> <td>3373</td> <td>36</td> </tr> <tr> <td rowspan="3">BVS32</td> <td><input type="checkbox"/> L2L15</td> <td>2922</td> <td>27</td> </tr> <tr> <td><input type="checkbox"/> L2L25</td> <td>4767</td> <td>48</td> </tr> <tr> <td><input type="checkbox"/> L2L35</td> <td>6753</td> <td>72</td> </tr> <tr> <td rowspan="3">BVS33</td> <td><input type="checkbox"/> L3L15</td> <td>4383</td> <td>41</td> </tr> <tr> <td><input type="checkbox"/> L3L25</td> <td>7151</td> <td>71</td> </tr> <tr> <td><input type="checkbox"/> L3L30</td> <td>8630</td> <td>89</td> </tr> </tbody> </table> <p>LED LIGHT SELECTION - AMBER</p> <table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS</th> <th>INPUT WATTS</th> </tr> </thead> <tbody> <tr> <td>BVS21</td> <td><input type="checkbox"/> L1LK2A</td> <td>249</td> <td>10</td> </tr> <tr> <td>BVS32</td> <td><input type="checkbox"/> L2LK2A</td> <td>499</td> <td>19</td> </tr> <tr> <td>BVS33</td> <td><input type="checkbox"/> L3LK2A</td> <td>748</td> <td>28</td> </tr> </tbody> </table> <p>LED LIGHT SELECTION - VERY NARROW BEAM</p> <table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS</th> <th>INPUT WATTS</th> </tr> </thead> <tbody> <tr> <td>BVS21</td> <td><input type="checkbox"/> L1L15NR</td> <td>1409</td> <td>24</td> </tr> <tr> <td>BVS32</td> <td><input type="checkbox"/> L2L15NR</td> <td>2818</td> <td>47</td> </tr> <tr> <td>BVS33</td> <td><input type="checkbox"/> L3L15NR</td> <td>3631</td> <td>58</td> </tr> </tbody> </table>	SUFFIX	DELIVERED LUMENS	INPUT WATTS	BVS21	<input type="checkbox"/> L1L15	1481	14	<input type="checkbox"/> L1L25	2386	24	<input type="checkbox"/> L1L35	3373	36	BVS32	<input type="checkbox"/> L2L15	2922	27	<input type="checkbox"/> L2L25	4767	48	<input type="checkbox"/> L2L35	6753	72	BVS33	<input type="checkbox"/> L3L15	4383	41	<input type="checkbox"/> L3L25	7151	71	<input type="checkbox"/> L3L30	8630	89	SUFFIX	DELIVERED LUMENS	INPUT WATTS	BVS21	<input type="checkbox"/> L1LK2A	249	10	BVS32	<input type="checkbox"/> L2LK2A	499	19	BVS33	<input type="checkbox"/> L3LK2A	748	28	SUFFIX	DELIVERED LUMENS	INPUT WATTS	BVS21	<input type="checkbox"/> L1L15NR	1409	24	BVS32	<input type="checkbox"/> L2L15NR	2818	47	BVS33	<input type="checkbox"/> L3L15NR	3631	58	<input type="checkbox"/> R15 Narrow optics 15° <input type="checkbox"/> R30 Flood optics 30° (standard) <input type="checkbox"/> R55 Wide flood optics 52° <input type="checkbox"/> R9 Very narrow optics 9° field angle 18° (38,305 candela)	<table border="1"> <thead> <tr> <th>POLE MODEL</th> <th>HEIGHT</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> BVP610</td> <td>120"</td> </tr> <tr> <td><input type="checkbox"/> BVP612</td> <td>144"</td> </tr> <tr> <td><input type="checkbox"/> BVP614</td> <td>168"</td> </tr> <tr> <td><input type="checkbox"/> BVP616</td> <td>192"</td> </tr> <tr> <td><input type="checkbox"/> BVP618</td> <td>216"</td> </tr> <tr> <td><input type="checkbox"/> BVP620</td> <td>240"</td> </tr> </tbody> </table>	POLE MODEL	HEIGHT	<input type="checkbox"/> BVP610	120"	<input type="checkbox"/> BVP612	144"	<input type="checkbox"/> BVP614	168"	<input type="checkbox"/> BVP616	192"	<input type="checkbox"/> BVP618	216"	<input type="checkbox"/> BVP620	240"	<input type="checkbox"/> 120V <input type="checkbox"/> 208V <input type="checkbox"/> 240V <input type="checkbox"/> 277V Optional <input type="checkbox"/> 347V <input type="checkbox"/> 480V	<p>STANDARD COLORS</p> <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne <input type="checkbox"/> SGT Steel gray <input type="checkbox"/> BGT English cream <p>OPTIONAL COLORS</p> <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color (Refer to color chart)
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OPTIONS

ELECTRICAL

- FS** Fuse
- PHSC** NEMA C136.41 7-PIN receptacle with shorting cap preinstalled
- PH7** NEMA C136.41 7-PIN receptacle with photocell sensor preinstalled
- SP** 10kV surge protector
- MS** Motion sensor device (high/low 25%). 270° coverage.⁴
- NLMS** nLight AIR 2.0 Motion Sensor. 270° coverage.⁶

CCT/CRI

- Alternate CCT °K LED (LCF: Lumen conversion factor)
- K27** 2700K CCT 80 CRI (LCF: 0.94)²
 - K30** 3000K CCT 80 CRI (LCF: 0.97) **NOTE:** Other CCT & higher CRI available, please consult factory.
 - K35** 3500K CCT 80 CRI (LCF: 0.99)²
 - K40** 4000K CCT 80 CRI

ACCESSORIES

- HL** Hexcell (LCF 0.60). Not recommended with R55
- SL** Solite Lens (LCF 0.90)
- LSL** Linear spread lens (Asymmetric lens distribution is achieved when light module is tilted)

POLE OPTIONS (see page 4 for details)

- GFI** Ground fault circuit interruption flush receptacle³
- CGF** Ground fault circuit interruption with clear in-use cover³
- T15** Arms mounted on a 15° tilt. Note that the distribution of the illumination will be affected by the angle.⁷

Multiple mountings⁵

- P2** Twin mount @ 180°
- P290** Twin mount @ 90°
- P3** Triple mount @ 90°
- P4** Quadruple mount
- PCST** Custom configuration. See separate custom configuration form to fill in the information.

NOTES

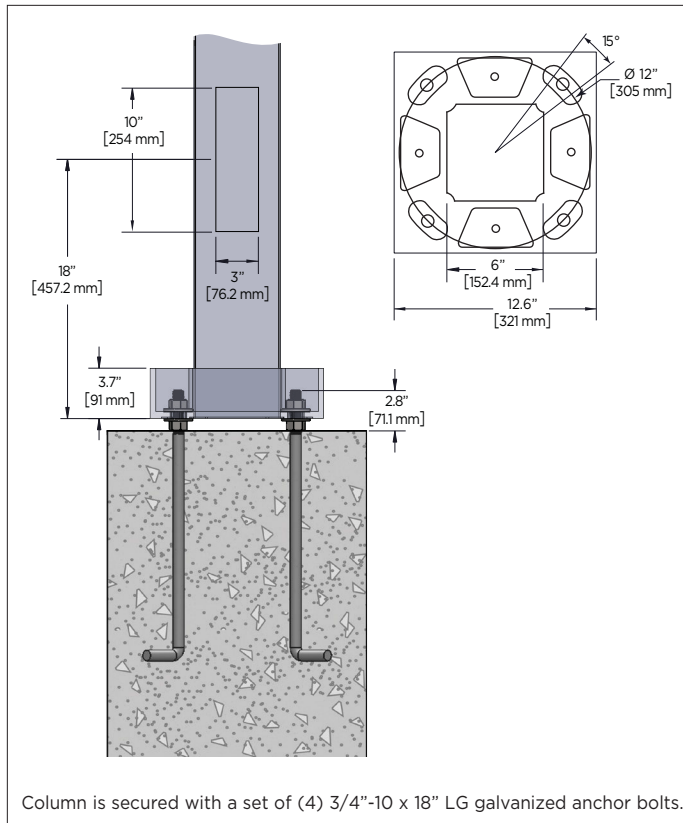
- 1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
- 2- Amber, K27 and K35 options not available with the R9 optics.
- 3- GFI and CGF options are installed 30" above grade on access door side. CGF cover protrudes by 3.62" (92mm). 120V required for GFI or CGF.
- 4- Motion sensor option is not compatible with PHSC and PH7 options.
- 5- For multiple mounting please verify with your local wind zone and with a recognized authority.
- 6- NLMS not available with PHSC, PH7 or MS. Must link to external nLight Air network.
- 7- T15 pole angled top cover only with Single Head Configuration.



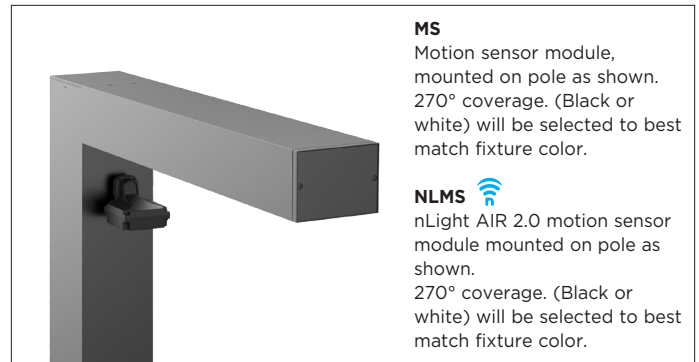
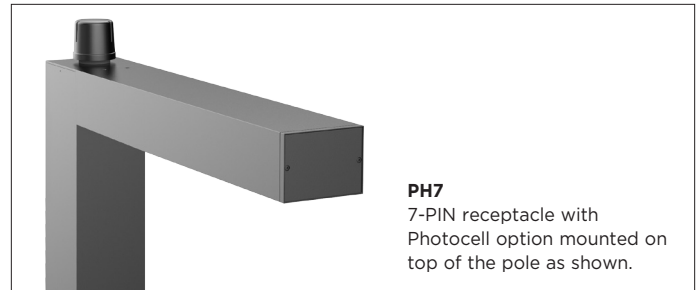
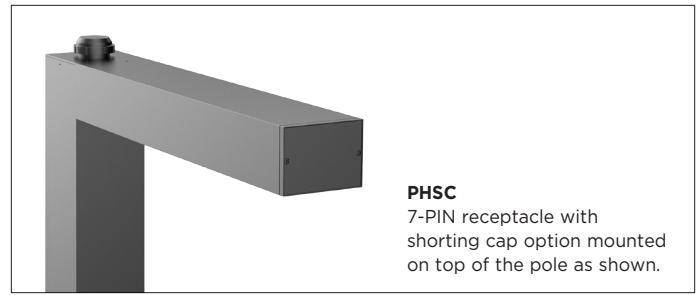
BVS21/BVS31/BVS32 SERIES

Bellevue - LED

MOUNTING INFORMATION

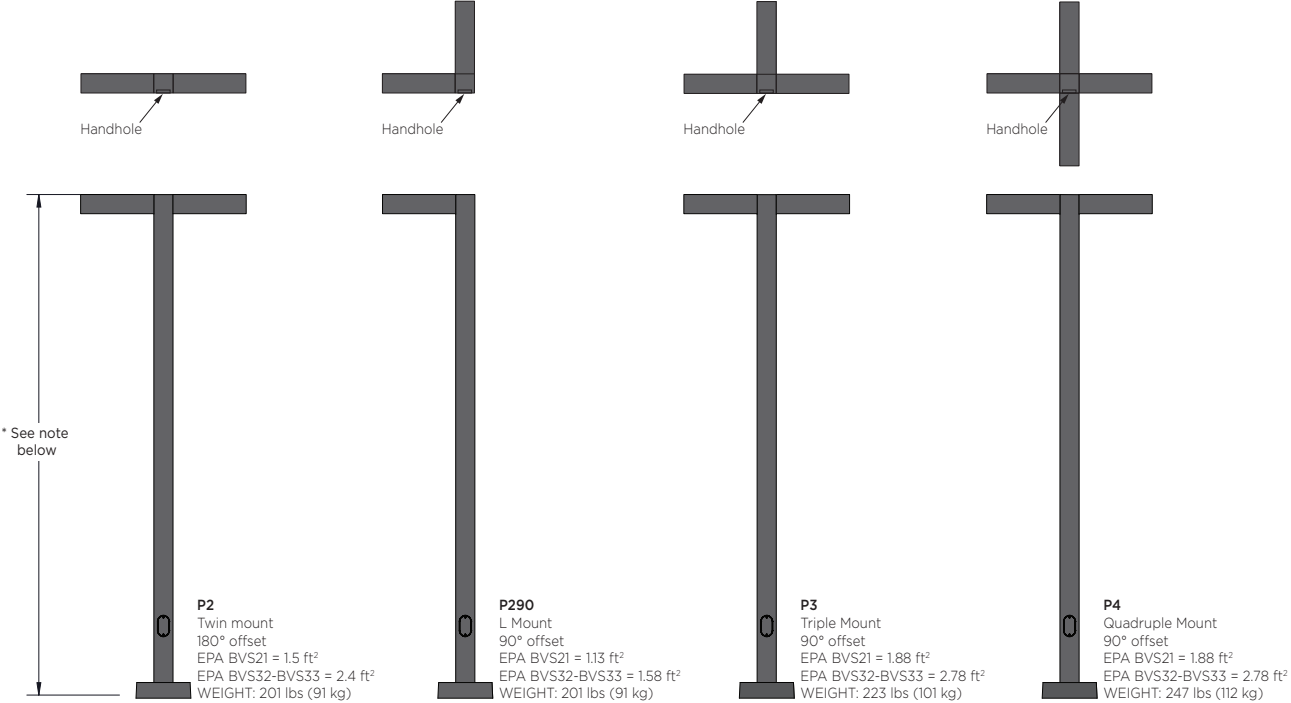


ELECTRICAL DETAILS



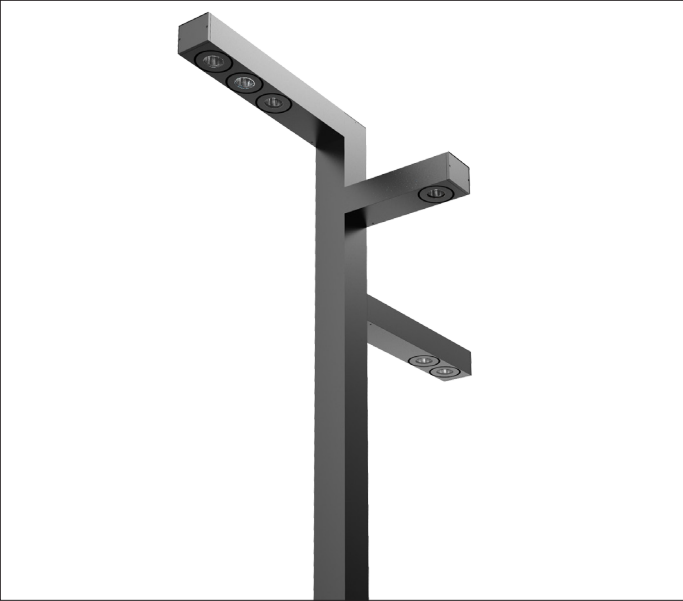
BVS21/BVS31/BVS32 SERIES Bellevue - LED

POLE OPTIONS - MULTIPLE MOUNTINGS



* Mounting configurations shown on this page are for 20ft height pole at 100mph wind. For different mounting configurations and wind zones please consult with factory and structural engineer. To specify these assemblies: Fixture quantity should be total number of fixture heads, and include the pole number and pole options.

PCST CUSTOM CONFIGURATION (See separate order form for details)



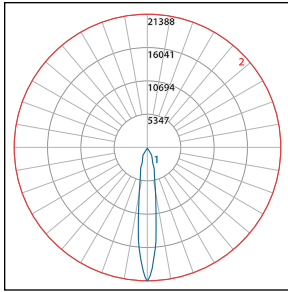
T15 15° tilt in arm



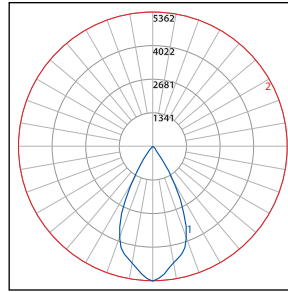
BVS21/BVS31/BVS32 SERIES

Bellevue - LED

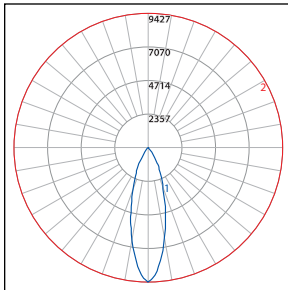
TYPICAL PHOTOMETRY SUMMARY



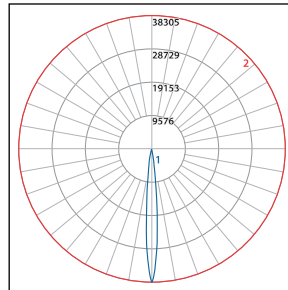
BVS21-L1L35-R15
 Total Lms: 3368 Lumens
 Total Input Watts: 36 W
 Efficacy: 93 Lumens/Watt
 BUG: B3-UO-GO
 CCT/CRI: 4000K/80CRI
 Maximum Candela: 21388 @ 0°



BVS21-L1L35-R55
 Total Lms: 3591 Lumens
 Total Input Watts: 36 W
 Efficacy: 100 Lumens/Watt
 BUG: B3-UO-GO
 CCT/CRI: 4000K/80CRI
 Maximum Candela: 5362 @ 0°



BVS21-L1L35-R30
 Total Lms: 3374 Lumens
 Total Input Watts: 36 W
 Efficacy: 93 Lumens/Watt
 BUG: B3-UO-GO
 CCT/CRI: 4000K/80CRI
 Maximum Candela: 9427 @ 0°



BVS21-L1L15-R9
 Total Lms: 1409 Lumens
 Total Input Watts: 24 W
 Efficacy: 60 Lumens/Watt
 BUG: B2-UO-GO
 CCT/CRI: 4000K/80CRI
 Maximum Candela: 38305 @ 0°

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.