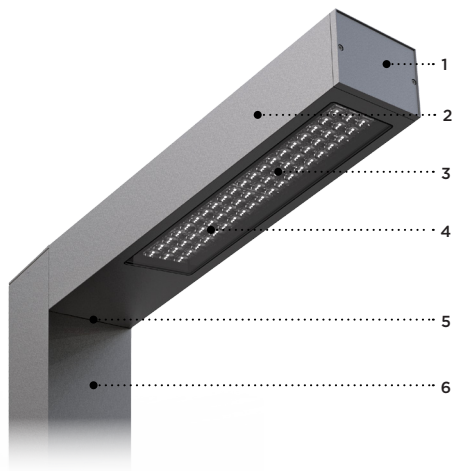
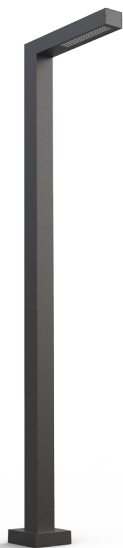


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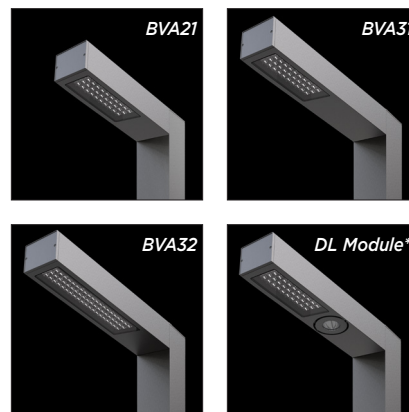
CATALOG NUMBER: _____

MODEL	LED LIGHT SELECTION	POLE	VOLTAGE	FINISH	OPTION	OPTION	OPTION



- 1- Front cover constructed of corrosion resistant cast aluminum.
- 2- 4.5" (114mm) x 6" (152mm) Extruded aluminum optical chamber.
- 3- Modular LED boards with acrylic optics. 30 or 60 LEDs configurations available.
- 4- Clear tempered glass.
- 5- Heavy gauge steel mounting plate with leveling adjustment (5° total). Head mounting height can be customized upon request (contact factory).
- 6- 6" (152mm) x 6" (152mm) 6061-T6 aluminum pole. 0.25" wall thickness. All stainless steel hardware.

* BVA31-DL Module with aimable point source optic.



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%.

LED board is assembled on a thick extruded aluminum profile and protected by a clear tempered glass. The acrylic optics provide a wide range of roadway optics. 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 Type II, III, IV or V light distribution via high performance optical lenses. 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 $L_{70B_{50}}$ (based on LM-80 report for lumen maintenance).

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

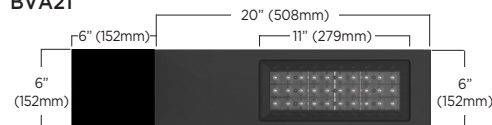
Maximum weight: 21 lbs (9.5 kg)

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.

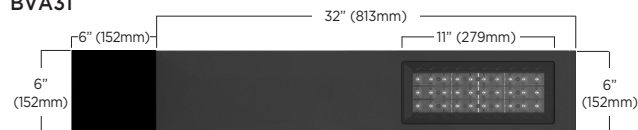
The cast aluminum base plate is secured with a set of (4) 3/4"-10 x 18" lg. galvanized anchor bolts. Accessibility is done through a flush mount 3" x 10" (76 x 254) hand hole cover plate. See page 4 for pole base mounting details.

BVA21



EPA value: 0.75 ft²

BVA31



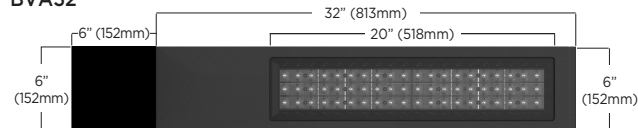
EPA value: 1.2 ft²

BVA31-DL



EPA value: 1.2 ft²

BVA32



EPA value: 1.2 ft²



BVA21/BVA31/BVA32 SERIES

Bellevue - LED

LUMINAIRE SELECTION - BVA21/BVA31

1 MODEL



2 LED LIGHT SELECTION WHITE (4000K/70CRI)

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE II	☐ L1L40-TYP2	3989	34
	☐ L1L50-TYP2	5025	44
	☐ L1L60-TYP2	6019	55
	☐ L1L70-TYP2	6974	66
TYPE III	☐ L1L40-TYP3	3989	34
	☐ L1L50-TYP3	5025	44
	☐ L1L60-TYP3	6019	55
	☐ L1L70-TYP3	6974	66
TYPE IV	☐ L1L40-TYP4	3722	34
	☐ L1L50-TYP4	4689	44
	☐ L1L60-TYP4	5617	55
	☐ L1L70-TYP4	6508	66
TYPE V	☐ L1L40-TYP5	4122	34
	☐ L1L50-TYP5	5193	44
	☐ L1L60-TYP5	6220	55
	☐ L1L70-TYP5	7207	66

LED LIGHT SELECTION - AMBER

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE II	☐ L1LK2A-TYP2	1785	14
TYPE III	☐ L1LK2A-TYP3	1785	14
TYPE IV	☐ L1LK2A-TYP4	1666	14
TYPE V	☐ L1LK2A-TYP5	1845	14

3 POLE

POLE MODEL	HEIGHT
☐ BVP610	120"
☐ BVP612	144"
☐ BVP614	168"
☐ BVP616	192"
☐ BVP618	216"
☐ BVP620	240"

4 VOLTAGE¹ 5 FINISH

- ☐ 120V
☐ 208V
☐ 240V
☐ 277V
 Optional
☐ 347V
☐ 480V

- STANDARD COLORS**
- ☐ WHT Snow white
 - ☐ BKT Jet black
 - ☐ BZT Bronze
 - ☐ MST Matte silver
 - ☐ GRT Titanium gray
 - ☐ DGT Gun metal
 - ☐ CHT Champagne
 - ☐ SGT Steel gray
 - ☐ BGT English cream

- OPTIONAL COLORS**
- ☐ CS Custom color
 - ☐ RAL RAL# color

(Refer to color chart)

DL MODULE



* Only available with BVA31

2B DL MODULE - LED LIGHT SELECTION WHITE (4000K/80CRI)

SUFFIX	DELIVERED LUMENS*	INPUT WATTS
☐ DL1L15	1461	14
☐ DL1L25	2384	24
☐ DL1L30	2877	30

DL MODULE - LED LIGHT SELECTION AMBER

SUFFIX	DELIVERED LUMENS*	INPUT WATTS
☐ DL1LK2A	249	10

DL MODULE - LED LIGHT SELECTION - VERY NARROW BEAM

SUFFIX	DELIVERED LUMENS*	INPUT WATTS
☐ DL1L15NR	1409	24

2C REFLECTOR - DL MODULE

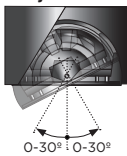
- ☐ R15 Narrow optics 15°
☐ R30 Flood optics 30° (standard)
☐ R55 Wide flood optics 52°

- ☐ R9 Very narrow optics 9°
 Field angle 18°
 (38,305 candela)⁶

2D 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)

Vertical Adjustment



360°



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.

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BVA21/BVA31/BVA32 SERIES

Bellevue - LED

LUMINAIRE SELECTION - BVA32

1 MODEL



□ BVA32

2 LED LIGHT SELECTION WHITE (4000K/70CRI)

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE II	□ L2L80-TYP2	7978	68
	□ L2L100-TYP2	10050	88
	□ L2L120-TYP2	12038	110
	□ L2L140-TYP2	13948	131
TYPE III	□ L2L80-TYP3	7978	68
	□ L2L100-TYP3	10050	88
	□ L2L120-TYP3	12038	110
	□ L2L140-TYP3	13948	131
TYPE IV	□ L2L80-TYP4	7445	68
	□ L2L100-TYP4	9378	88
	□ L2L120-TYP4	11234	110
	□ L2L140-TYP4	13016	131
TYPE V	□ L2L80-TYP5	8244	68
	□ L2L100-TYP5	10385	88
	□ L2L120-TYP5	12441	110
	□ L2L140-TYP5	14414	131

LED LIGHT SELECTION - AMBER

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE II	□ L2LK2A-TYP2	3570	28
TYPE III	□ L2LK2A-TYP3	3570	28
TYPE IV	□ L2LK2A-TYP4	3331	28
TYPE V	□ L2LK2A-TYP5	3689	28

3 POLE

POLE MODEL	HEIGHT
□ BVP610	120"
□ BVP612	144"
□ BVP614	168"
□ BVP616	192"
□ BVP618	216"
□ BVP620	240"

4 VOLTAGE¹

- 120V
- 208V
- 240V
- 277V
- Optional
- 347V
- 480V

5 FINISH

- STANDARD COLORS**
- WHT Snow white
 - BKT Jet black
 - BZT Bronze
 - MST Matte silver
 - GRT Titanium gray
 - DGT Gun metal
 - CHT Champagne
 - SGT Steel gray
 - BGT English cream

- OPTIONAL COLORS**
- CS Custom color
 - RAL RAL# color

(Refer to color chart)

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
- MSH In-head motion sensor device (high/low 25%). 300° coverage.^{4,9}
- NLMSH In-head nLight AIR 2.0 Motion Sensor. 300° coverage.^{4,8}

CCT/CRI

Alternate CCT °K LED (LCF: Lumen conversion factor)

- K27E 2700K / 70 CRI (LCF 0.91)
- K30E 3000K / 70 CRI (LCF 0.94)
- K35E 3500K / 70 CRI (LCF 0.983)
- K40E 4000K / 70 CRI
- K35 3500K / 80 CRI (LCF 0.8)
- K40 4000K / 80 CRI (LCF 0.83)
- HS House side shield³ (LCF 0.8)

NOTE: Other CCT & higher CRI available, please consult factory.

POLE OPTIONS (see page 4 for details)

- GFI Ground fault circuit interruption flush receptacle²
- CGF Ground fault circuit interruption with clear in-use cover²
- T15 Arm 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- 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.
- 3- HS not available on Type V. Cannot be installed on site.
- 4- Not compatible with PHSC and PH7 options.
- 5- For multiple mounting please verify with your local wind zone and with a recognized authority.
- 6- Amber, K27 and K35 options not available with the R9 optics.
- 7- T15 pole angled top cover only with Single Head Configuration.
- 8- Must link to external nLight Air network.
- 9- Not Available in 480V.

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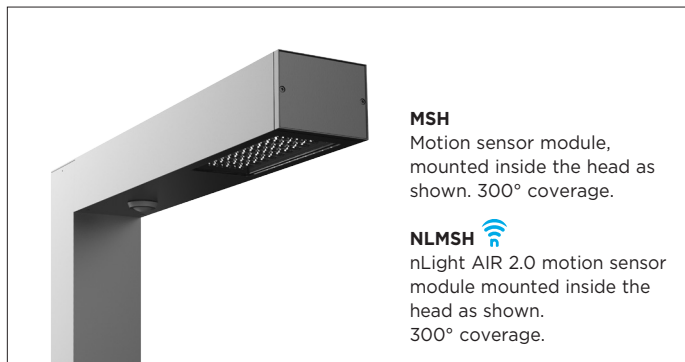
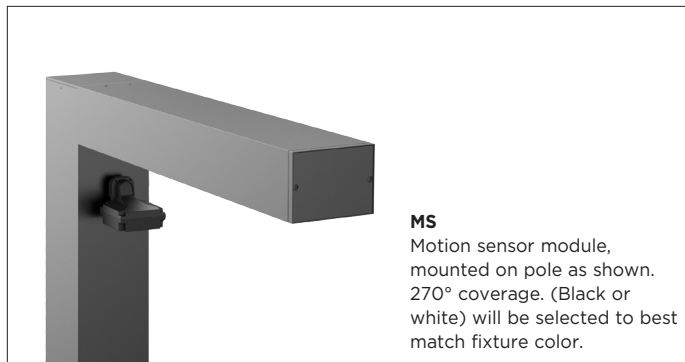
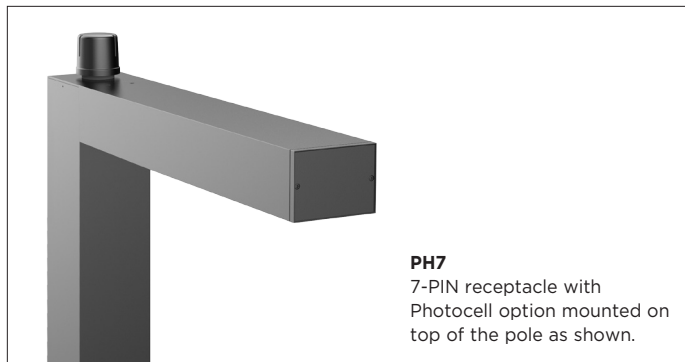
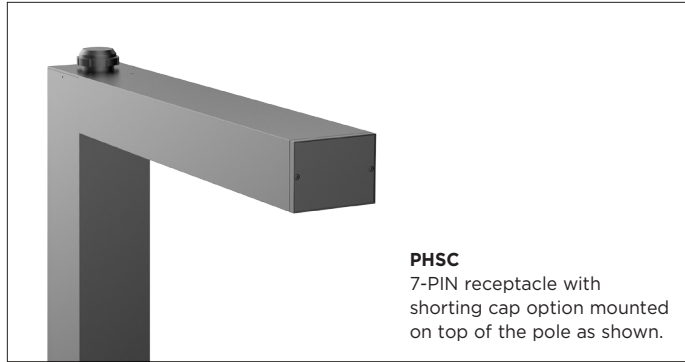
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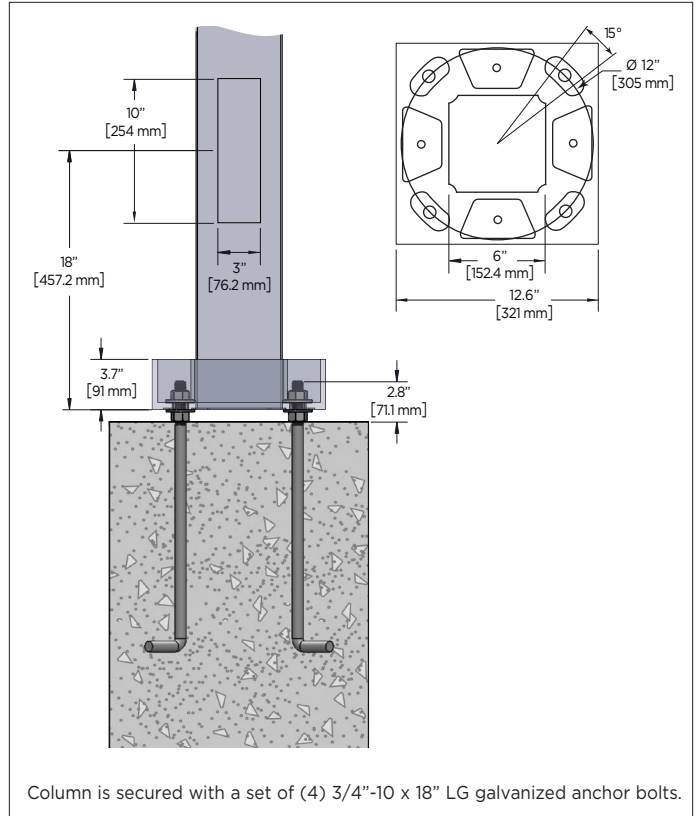
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BVA21/BVA31/BVA32 SERIES Bellevue - LED

ELECTRICAL DETAILS



MOUNTING INFORMATION



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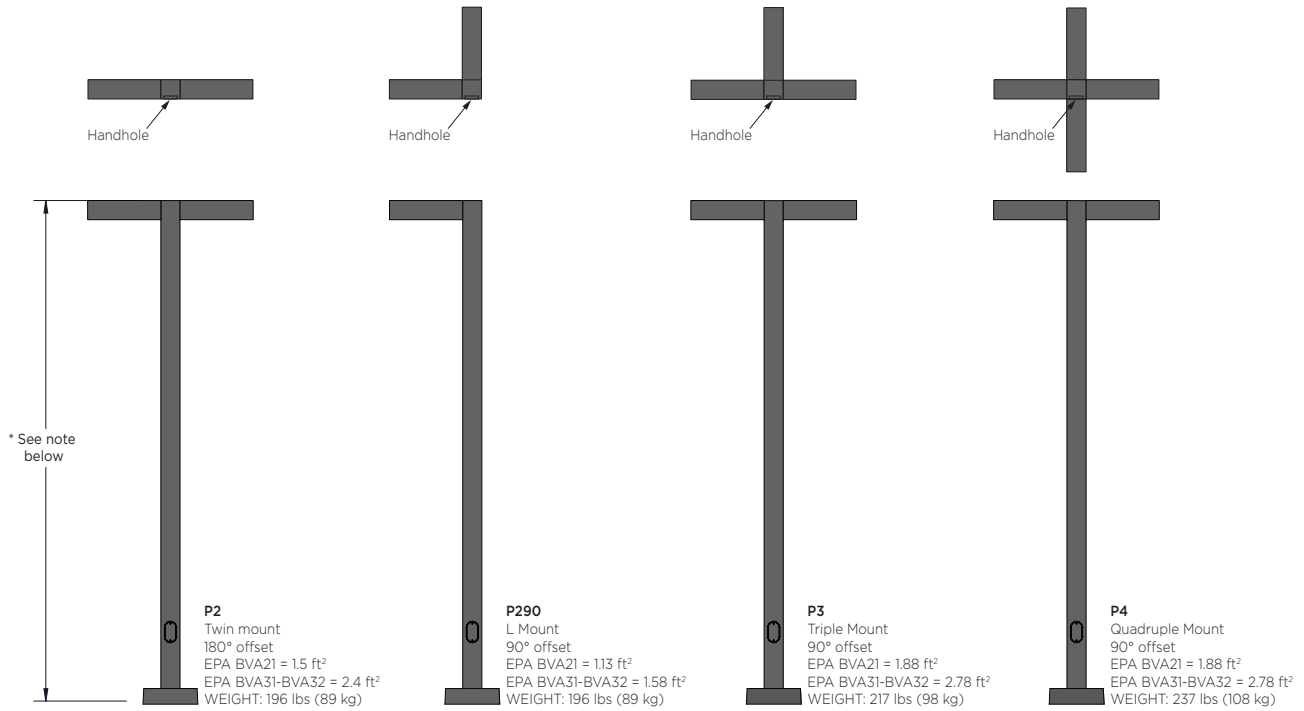
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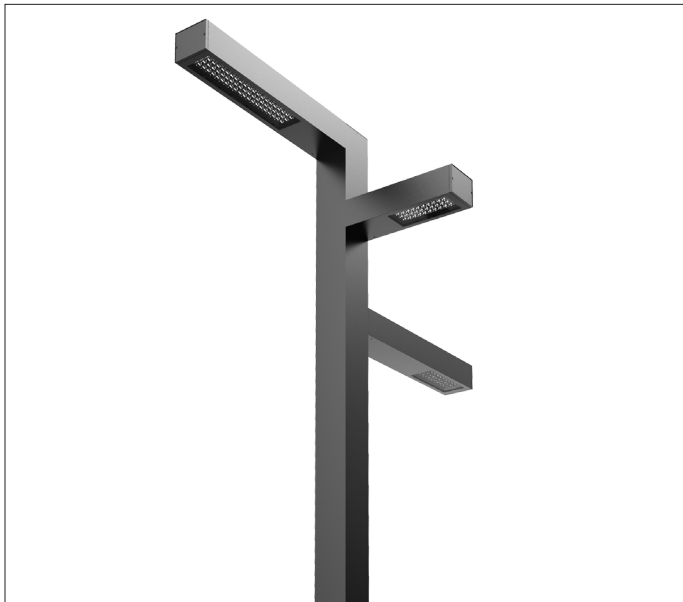
Bellevue - LED

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



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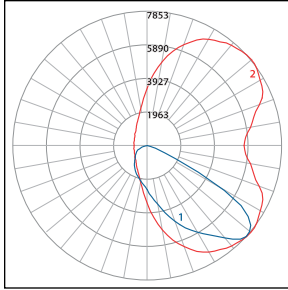
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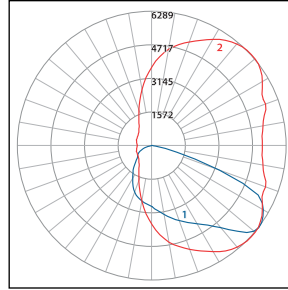
Bellevue - LED

TYPICAL PHOTOMETRY SUMMARY



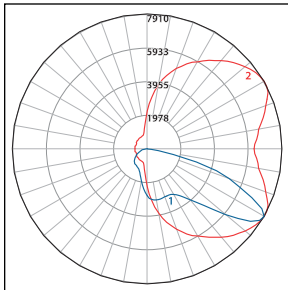
BVA21-L1L70-TYP2 / BVA31-L1L70-TYP2
Total Lms: 6974 Lumens
Total Input Watts: 65.5 W
BUG: B1-U0-G2
Maximum Candela: 3927 @ 37.5°H/47.5°V

BVA32-L2L140-TYP2
Total Lms: 13948 Lumens
Total Input Watts: 131 W
BUG: B2-U0-G2
Maximum Candela: 7853 @ 37.5°H/47.5°V



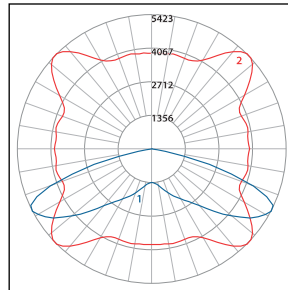
BVA21-L1L70-TYP3 / BVA31-L1L70-TYP3
Total Lms: 6974 Lumens
Total Input Watts: 65.5 W
BUG: B2-U0-G1
Maximum Candela: 3145 @ 42.5°H/52.5°V

BVA32-L2L140-TYP3
Total Lms: 13948 Lumens
Total Input Watts: 131 W
BUG: B3-U0-G2
Maximum Candela: 6289 @ 42.5°H/52.5°V



BVA21-L1L70-TYP4 / BVA31-L1L70-TYP4
Total Lms: 6508 Lumens
Total Input Watts: 65.5 W
BUG: B1-U0-G2
Maximum Candela: 3955 @ 30°H/60°V

BVA32-L2L140-TYP4
Total Lms: 13016 Lumens
Total Input Watts: 131 W
BUG: B2-U0-G2
Maximum Candela: 7910 @ 30°H/60°V



BVA21-L1L70-TYP5 / BVA31-L1L70-TYP5
Total Lms: 7207 Lumens
Total Input Watts: 65.5 W
BUG: B3-U0-G1
Maximum Candela: 2712 @ 135°H/62.5°V

BVA32-L2L140-TYP5
Total Lms: 14414 Lumens
Total Input Watts: 131 W
BUG: B4-U0-G2
Maximum Candela: 5423 @ 135°H/62.5°V

All Photometry shown use the Standard 70CRI 4000K LEDs

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

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