

| PROJECT |
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| TYPE |
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| CATALOG # |
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08-BOLS

SLIM BOLLARDS LUMEN & KELVIN SELECTABLE

HOUSING

- Premium powder-coat, aluminum, dark bronze or black housing.

ELECTRICAL

- Operating temperature (ambient): -40°C to 50°C (-40°F to 122°F).
- Universal 120-277V AC voltage (50-60Hz) is standard.
- 0-10VDC dimming drivers are standard.
- Integrated photocell is standard. Photocell can be enabled or disabled by switch.
- Input transient surge protection = 4kV.
- Power factor > 0.90.
- Total Harmonic distortion < 20%.

OPTICAL SYSTEM

- High-impact, Polycarbonate Lens.
- Field selectable 2700k(warm white), 3000k(warm white), 3500k(warm/neutral white), 4000k (neutral white) and 5000k (cool white) color temperatures*.
- 08-BOLS-Rxx-342921L-5CCT Selectable output delivers 2,025 to 3,455 nominal lumens*.
- 08-BOLS-Sxx-332821L-5CCT Selectable output delivers 2,010 to 3,291 nominal lumens*.
- Long-life LEDs provide 167,000 hours of operation with at least 70% of initial lumen output (L70), and 51,000 hours with at least 90% of initial lumen output (L90)**.
- LED color maintenance < 0.0008 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- Color rendering index > 80.

MOUNTING

- Anchor Bolt mount kit (included).

CODE COMPLIANCE

- cULus listed for wet locations.
- Complies with FCC part 15, class A.
- IP65 rated for ingress protection.
- IK08 rated for impact protection.

WARRANTY

- 5-year warranty on all electronics and housing.

* Default kelvin temperature 4000k and highest lumen output.
**L70 & L90 hours are IES TM-21-11 calculated hours.



| Model | Size (inches) & Weight (lbs) | | | |
|--------------------------|------------------------------|--------|--------|--------|
| | H (in) | W (in) | B (in) | Weight |
| 08-BOLS-R32-342921L-5CCT | 32.00 | 4.53 | 4.53 | 8.31 |
| 08-BOLS-R42-342921L-5CCT | 42.00 | 4.53 | 4.53 | 9.59 |
| 08-BOLS-S32-332821L-5CCT | 32.00 | 4.53 | 4.53 | 10.74 |
| 08-BOLS-S42-332821L-5CCT | 42.00 | 4.53 | 4.53 | 12.55 |



PRODUCT PARAMETERS

| SERIES | MODEL | NOMINAL LUMEN OUTPUT (Selectable) | KELVIN (Selectable) | HOUSING COLOR |
|---------|------------------------|------------------------------------|---------------------|--------------------------------------|
| 08-BOLS | R32 Round, 32" Height | 342921L = 3,400 / 2,900 / 2,100 lm | 2700K | Blank Dark Bronze BLK Black |
| | R42 Round, 42" Height | | 3000K | |
| | S32 Square, 32" Height | 332821L = 3,300 / 2,800 / 2,100 lm | 3500K | |
| | S42 Square, 42" Height | | 4000K | |
| | | | 5000K | |



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COMPATIBLE DIMMERS & CONTROLS

| Manufacturer | Model Number | Dimmer Range | Load Switching Capacity |
|---------------|--------------|--------------|-------------------------|
| Best Lighting | DWS-010V-T | 10%-100% | 600W |
| Best Lighting | DWS-010V-D | 10%-100% | 600W |
| Leviton | IP710-LFZ | 10%-100% | 1200W |
| Lutron | DVSTV | 10%-100% | 450W |

LUMEN TABLE & ELECTRICAL DATA

| Series | Measurements | 34L | | | | | 29L | | | | | 21L | | | | |
|--------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 2700K | 3000K | 3500K | 4000K | 5000K | 2700K | 3000K | 3500K | 4000K | 5000K | 2700K | 3000K | 3500K | 4000K | 5000K |
| 08-BOLS-Rxx-342921L-5CCT | Lumens | 3,324 | 3,380 | 3,429 | 3,447 | 3,455 | 2,815 | 2,845 | 2,889 | 2,909 | 2,933 | 2,025 | 2,033 | 2,061 | 2,074 | 2,110 |
| | Watt | 23.3 | 23.09 | 22.79 | 23.08 | 23.27 | 19.5 | 19.33 | 19.12 | 19.35 | 19.51 | 13.87 | 13.78 | 13.68 | 13.8 | 13.9 |
| | Efficacy | 142.66 | 146.38 | 150.46 | 149.35 | 148.47 | 144.36 | 147.18 | 151.10 | 150.34 | 150.33 | 146.00 | 147.53 | 150.66 | 150.29 | 151.80 |
| | Input Current (A) | 120V | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.12 | 0.12 | 0.11 | 0.12 |
| 240V | | 0.10 | 0.10 | 0.09 | 0.10 | 0.10 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 277V | | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |

| Series | Measurements | 33L | | | | | 28L | | | | | 21L | | | | |
|--------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 2700K | 3000K | 3500K | 4000K | 5000K | 2700K | 3000K | 3500K | 4000K | 5000K | 2700K | 3000K | 3500K | 4000K | 5000K |
| 08-BOLS-Sxx-332821L-5CCT | Lumens | 3,100 | 3,135 | 3,239 | 3,269 | 3,291 | 2,621 | 2,645 | 2,732 | 2,760 | 2,777 | 2,010 | 2,030 | 2,070 | 2,088 | 2,134 |
| | Watt | 22.97 | 22.77 | 22.42 | 22.64 | 22.99 | 19.14 | 18.98 | 18.79 | 18.92 | 19.21 | 14.47 | 14.4 | 14.22 | 14.31 | 14.49 |
| | Efficacy | 134.96 | 137.68 | 144.47 | 144.39 | 143.15 | 136.94 | 139.36 | 145.40 | 145.88 | 144.56 | 138.91 | 140.97 | 145.57 | 145.91 | 147.27 |
| | Input Current (A) | 120V | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.12 | 0.12 | 0.12 | 0.12 |
| 240V | | 0.10 | 0.09 | 0.09 | 0.09 | 0.10 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 277V | | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |

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PHOTOMETRIC DATA

08-BOLS-Rxx-342921L-5CCT

Luminaire Data

| | |
|-----------------------------|------------------------------------------|
| Description | BOLLARD (ROUND) LUMEN & KELVIN SELECT |
| Total Lumens | 3,447 |
| Input Wattage | 23 |
| Efficacy (lm/W) | 149 |
| Max. Cd. | 899.85 (90H, 47V) |
| IES Classification | Type VS |
| Longitudinal Classification | Short |

Zonal Lumen Summary

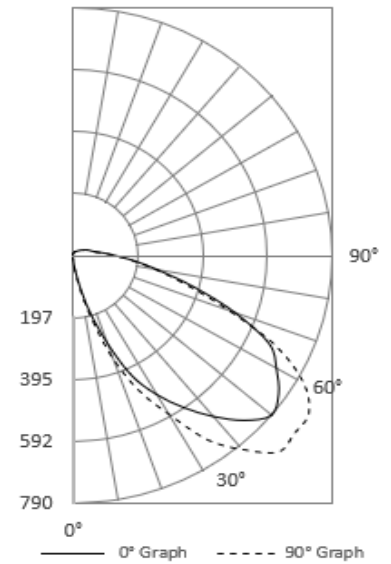
| Zone | Lumens | %Fixt |
|----------|--------|--------|
| 0-30° | 237 | 6.9% |
| 0-60° | 1,917 | 55.6% |
| 0-80° | 2,977 | 86.4% |
| 80-90° | 207 | 6.0% |
| 0-90° | 3,184 | 92.4% |
| 90-110° | 162 | 4.7% |
| 110-180° | 0 | 0.0% |
| 0-180° | 3,447 | 100.0% |

Luminaire Classification Systems (LCS)

| LCS Zone | Lumens | %Lum |
|--------------|--------------|---------------|
| FL 0-30 | 118 | 3.4% |
| FM 30-60 | 835 | 24.2% |
| FH 60-80 | 529 | 15.4% |
| FVH 80-90 | 104 | 3.0% |
| BL 0-30 | 119 | 3.5% |
| BM 30-60 | 844 | 24.5% |
| BH 60-80 | 531 | 15.4% |
| BVH 80-90 | 103 | 3.0% |
| UL 90-100 | 102 | 3.0% |
| UH 100-180 | 161 | 4.7% |
| Total | 3,447 | 100.0% |
| BUG Rating | B2-U3-G2 | |

Photometrics based on 4000k CCT and set to highest lumen output.

180° Polar Graph



08-BOLS-Sxx-332821L-5CCT

Luminaire Data

| | |
|-----------------------------|-------------------------------------------|
| Description | BOLLARD (SQUARE) LUMEN & KELVIN SELECT |
| Total Lumens | 3,269 |
| Input Wattage | 23 |
| Efficacy (lm/W) | 144 |
| Max. Cd. | 883.43 (360H, 50V) |
| IES Classification | Type VS |
| Longitudinal Classification | Very Short |

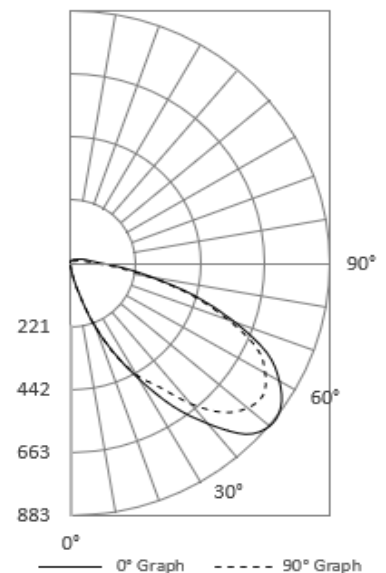
Zonal Lumen Summary

| Zone | Lumens | %Fixt |
|----------|--------|--------|
| 0-30° | 171 | 5.2% |
| 0-60° | 1,769 | 54.1% |
| 0-80° | 2,884 | 88.2% |
| 80-90° | 189 | 5.8% |
| 0-90° | 3,073 | 94.0% |
| 90-110° | 122 | 3.7% |
| 110-180° | 0 | 0.0% |
| 0-180° | 3,269 | 100.0% |

Luminaire Classification Systems (LCS)

| LCS Zone | Lumens | %Lum |
|--------------|--------------|---------------|
| FL 0-30 | 89 | 2.7% |
| FM 30-60 | 822 | 25.1% |
| FH 60-80 | 564 | 17.2% |
| FVH 80-90 | 95 | 2.9% |
| BL 0-30 | 82 | 2.5% |
| BM 30-60 | 776 | 23.7% |
| BH 60-80 | 551 | 16.8% |
| BVH 80-90 | 94 | 2.9% |
| UL 90-100 | 76 | 2.3% |
| UH 100-180 | 120 | 3.7% |
| Total | 3,269 | 100.0% |
| BUG Rating | B2-U3-G1 | |

180° Polar Graph



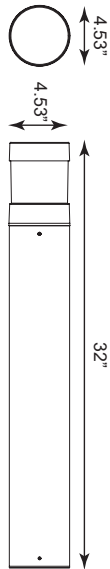
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DIMENSIONAL DRAWINGS

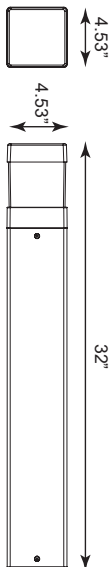
08-BOLS-R32-342921L-5CCT



08-BOLS-R42-342921L-5CCT



08-BOLS-S32-332821L-5CCT



08-BOLS-S42-332821L-5CCT

