

· TYPE \_\_\_\_\_ · DATE \_\_\_\_\_ · PROJECT \_\_\_\_\_

# ATM

Sage Atmos — Round and Square LED Bollards

## Round and Square LED Bollards

lumen and Kelvin field selectable · 120–277 VAC · 0–10 V dimming

### SUGGESTED SPECIFICATION

Install Sage Atmos LED bollards, round, square, round dome or round dome louvered, with a cast aluminum housing in dark bronze or black powder coat and a high-impact polycarbonate lens. Output and color temperature shall be field selectable, 3,000 or 2,000 nominal lumens by model with 3000 K, 4000 K or 5000 K, delivering 905 to 3,296 nominal lumens and 69 to 148 lumens per watt. LEDs shall deliver at least 163,000 hours to L70 and 50,000 hours to L90 per IES TM-21, with chromaticity within 5-step ANSI quadrangles, color maintenance within 0.003 chromaticity shift over the first 6,000 hours and a color rendering index above 80. Drivers shall accept universal 120 to 277 VAC, 50 to 60 Hz, with 0 to 10 VDC dimming standard, 4 kV surge protection, power factor above 0.90 and total harmonic distortion below 20 percent. Bollards shall mount on the round or square anchor bolt kit, shall be cULus listed for wet locations from -40 to 55 °C and shall comply with FCC part 15 class A, with a five-year warranty on electronics and housing.

### ELECTRICAL SPECIFICATIONS

Universal 120–277 VAC, 50–60 Hz; 0–10 VDC dimming standard; 4 kV surge protection; power factor above 0.90; THD below 20 percent. Output and color temperature are set in the field; the sheet's electrical data gives the wattage at each setting.

### ELECTRICAL DATA — LUMENS AND WATTS BY SETTING

| Model · setting              | 3000 K                | 4000 K                | 5000 K                |
|------------------------------|-----------------------|-----------------------|-----------------------|
| RD 3L · lm low / mid / high  | 1,819 / 2,512 / 3,103 | 1,818 / 2,530 / 3,249 | 1,895 / 2,614 / 3,251 |
| RDL 2L · lm low / mid / high | 905 / 1,263 / 1,573   | 973 / 1,351 / 1,692   | 983 / 1,359 / 1,687   |
| Watts · low / mid / high     | 13 / 18 / 23          | 12 / 17 / 22          | 13 / 18 / 23          |

Input current 0.10 to 0.19 A at 120 V, 0.05 to 0.10 A at 240 V and 0.04 to 0.08 A at 277 V. Photometrics at 5000 K, high setting: square 3L 3,041 lm, 23 W, Type VS, BUG B1-U3-G2; round dome louvered 2L 1,688 lm, 23 W, Type VS, B1-U3-G2. IES files are on the Sage catalog page.

### PRODUCT DATA · INPUT

|          |                                                             |
|----------|-------------------------------------------------------------|
| AC Input | 120–277 VAC · 50–60 Hz                                      |
| Dimming  | 0–10 VDC standard                                           |
| Output   | 3,000 lm (3L) or 2,000 lm (2L) nominal, selectable settings |
| CCT      | 3000 / 4000 / 5000 K, selectable                            |
| LED life | L70 163,000 h · L90 50,000 h                                |
| Ambient  | -40 to 55 °C                                                |

### FEATURES

- Round, square, round dome and round dome louvered bollards from one series; output and color temperature set in the field
- Field selectable 3000 / 4000 / 5000 K; 905 to 3,296 nominal lumens; 69 to 148 lm/W; CRI above 80
- Long-life LEDs, at least 163,000 h to L70 and 50,000 h to L90; chromaticity within 5-step ANSI quadrangles
- Cast aluminum housing, dark bronze or black powder coat; high-impact polycarbonate lens
- Universal 120–277 VAC with 0–10 VDC dimming standard; 4 kV surge protection; PF above 0.90
- cULus listed for wet locations, -40 to 55 °C; FCC part 15 class A; anchor bolt kits ordered separately; five-year warranty

### TEMPERATURE

Operating Temperature -40 to 55 °C ambient

### ORDERING INFORMATION

|                             |                                                              |
|-----------------------------|--------------------------------------------------------------|
| Model                       | R Round · S Square · RD Round Dome · RDL Round Dome Louvered |
| Nominal Lumen Output        | 3L = 3,000 lm · 2L = 2,000 lm                                |
| Select                      | LKFS = lumen and Kelvin field selectable                     |
| Housing Color               | BLK Black · (blank) Bronze                                   |
| Mounting (order separately) | anchor bolt kit, round or square bollard                     |

Ordering Example: ATM-R-3L-LKFS-BLK

### UL CONDITIONS OF ACCEPTABILITY

cULus listed for wet locations in ambient temperatures from -40 to 55 °C. Complies with FCC part 15, class A. Surge protection 4 kV.

NOTE: Contact Sage for other color temperatures and lumen packages.

NOTE: Five-year warranty on all electronics and housing.

“Engineered for the spaces it protects.”