

VISION 3

LIGHTING

LED Bollard Path Light **MODEL PA7**

12V 50W Max., MR16 Halogen

12V 8W Max., COB LED w/ Driver

Specifications

Body

Thick walled cast C84400 bronze housing attaches to mount base using black oxide coated 18-8 stainless steel hardware.

Mount Base

Machined C36000 brass mount base comes in two styles: Surface Mount and Stake Mount.

Faceplate

Cast C84400 bronze faceplate is pressed on to a machined, black anodized, 6061-T6 aluminum cap, which is attached to the Lamp Holder (see below). Seal between cap and faceplate is a high temperature silicone O-ring. A 1/8" thick, tempered, clear lens, is secured to the faceplate with a high temperature, UV curing, silicone adhesive for a water tight seal. The faceplate accepts up to two internal lens accessories, held in place by a stainless steel clip.

Cutoff Cover

Cast C84400 bronze cover comes in two cutoffs. An optional 1/8" thick, Ø2 1/2" spread lens is secured to the cover and allows maximum light distribution. The cover is mounted to the faceplate using three 18-8 stainless steel set screws. The cover can be mounted on the faceplate and rotated to align, as desired.

Lamp Holder

The machined 6061-T6 aluminum, black anodized lamp holder contains the Light Engine and attaches to the faceplate cap using one 18-8 stainless steel set screw.

Finish

TGIC thermo set polyester powder coat paint available in 14 standard colors. Available in two additional metal finishes: Natural and Aged.

Socket

GY-6.35 porcelain socket with 600V, 250°C, PTFE coated 18 ga leads (for MR16 Halogen and MR16 LED options).

Light Engine⁶

Integral Driver COB LED: 13.5mm COB LED and integral low voltage driver allows for choice of light output (400lm, 700lm, or 1000lm), color temperature (2700K, 3000K, 3500K, 4000K), CRI (80, 90), and optics (15°, 24°, 36°, 55°, 65°). Integral LED driver features include: 12VAC input (+/- 10%), ELV and MLV phase dimming (contact V3 for dimmer compatibility), high power factor > 0.9, internal protection (short circuit, overload, thermal, auto-reset), and an L70 > 40,000 hrs. COB LED and driver components are field replaceable and upgradeable to simplify future repairs and upgrades.

MR16 Halogen: 12V bi-pin up to 50W. Lamp supplied by others.

Retrofit MR16 LED: 12V 7.5W (600lm) bi-pin retrofit Sora™ MR16 LED lamp with specially engineered heat sink mount to ensure proper heat transfer to body. Note: Retrofit LED will overheat without supplied heat sink mount.

Certification

CSA tested & certified to US and Canadian safety standards for the following applications:

Wet location landscape use (UL1838):

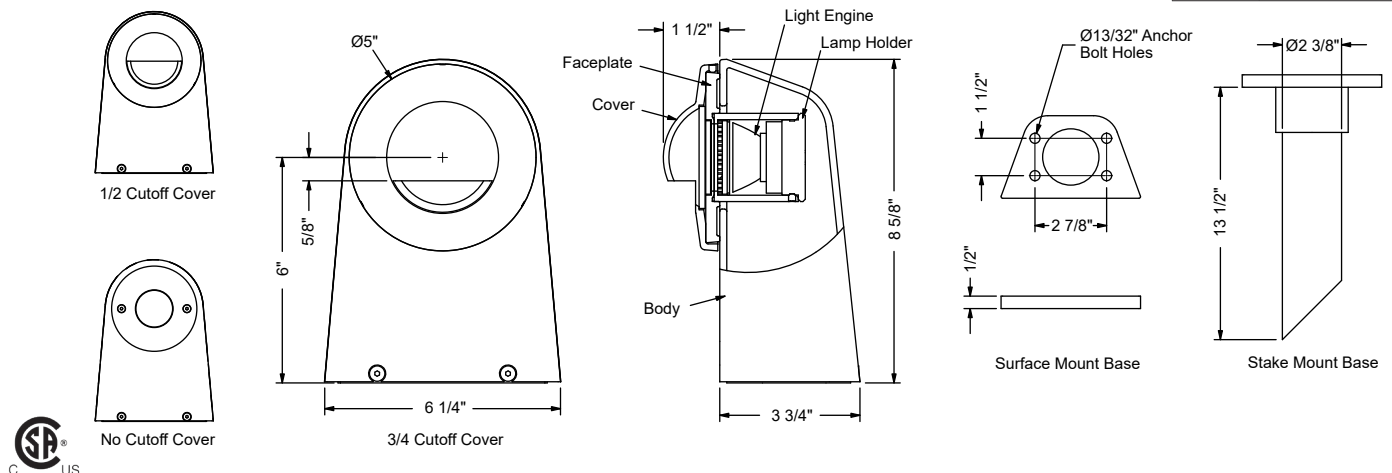
PA7B - 50W Max. MR16 Halogen lamp.

Caution! - Higher wattage lamps may be unacceptable or harmful in certain applications. Consult the surface temperature table below before choosing a lamp suitable for your application.

LED options can be used in all models and applications.

All ratings subject to change without notice. See website or contact V3 for most current info.

| Lamp | Approximate Max. Surface Temperature |
|----------|--------------------------------------|
| 50W MR16 | 105°C / 221°F |
| 42W MR16 | 100°C / 212°F |
| 35W MR16 | 90°C / 194°F |
| 20W MR16 | 70°C / 158°F |
| LED | 50°C / 122°F |



Ordering Information

| Model | Cover | Mount | Light Engine ⁶ | Lens Accy ^{1,3} | Louver ^{1,3} |
|---|---|--|---|--|---|
| PA7B | | | | | |
| PA7B - Cast Bronze | | SM - Surface Mount S1-12 - 12" Stake | | | |
| Finish | No Cover: C0 - No Cover | | MR16 Halogen: 0 - None (lamp by others) | 0 - None | 0 - None |
| | Covers w/ integral spread lens: C-1 - 1/2 Cutoff ¹ C-2 - 3/4 Cutoff ¹ | | Retrofit MR16 LED: ^{2,4} 155 - 7.5W, 600lm, 90CRI, 3000K, 10° 156 - 7.5W, 600lm, 90CRI, 3000K, 25° 157 - 7.5W, 600lm, 90CRI, 3000K, 36° | L1 - Spread L2 - Linear L3 - Softening | H1 - Hex |
| Powder Coat Finishes: BLT - Textured Black BNT - Textured Bronze BAT - Textured Bark GRT - Textured Green GNT - Textured Granite SAT - Textured Sand PAT - Textured Patina EAT - Textured Earth | | Covers w/o integral spread lens: CNL-1 - 1/2 Cutoff CNL-2 - 3/4 Cutoff | Amber MR16 LED (Turtle Safe): ⁴ AM1 - 5W, 380lm, 85CRI, 30°, Turtle Safe Amber ³ | | |
| Metal Finishes: NAT - Natural AGE - Aged | | | Integral Driver COB LED: ^{4,5} LE2 - XXXX - X - XX - XX | | |
| | | | Lumen Output 0400 - 4W, 400lm 0700 - 8W, 700lm 1000 - 8W, 1000lm | CRI 8 - >80 9 - >90 | CCT 27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K |
| | | | Optics 15 - 15° 24 - 24° 36 - 36° 55 - 55° 65 - 65° | | |

Notes:

1. 'C-1' and 'C-2' Cover options include an integral spread lens, making Lens Accy & Louver options ineffective.
2. Use only approved 7.5W Retrofit MR16 LED lamps and supplied heat sink mount, otherwise LED may overheat.
3. AM1 Turtle Safe Amber LED can only be specified with 1 lens accessory.
4. Only power LED Light Engine options with approved transformers (contact V3 for transformer and dimmer compatibility info).
5. Integral Driver COB LED Light Engine options do not require a separately specified remote driver. See specifications above for required voltage input.
6. All lumen values cited are nominal lumen output (ideal lumen output of light engine only in lab conditions). Actual fixture output will vary with cover, material, lens/optics options, and environmental conditions. For more accurate information, see fixture photometry files on website.
7. Specifications, certifications, and ordering information are subject to change. Please check website for latest specification sheets.

Example: **PA7B - NAT - C-1 - SM - LE2-0700-8-27-24 - 0 - 0**