

VISION 3 LIGHTING

MR16 / LED Staff Light **MODEL PA11** 12V 50W Max., MR16 Halogen 12V 8W Max., COB LED w/ Driver

Specifications

Material

Available in machined 6061-T6 aluminum or C36000 brass. All hardware 18-8 stainless steel.

the lens. All caps accept up to two internal accessories, held in place by a stainless steel clip.

Head

Machined head comes in two styles: Side Mount and Rear Mount. (See illustration for aiming capability of each head style.)

Finish

TGIC thermo set polyester powder coat paint available in 14 standard colors. On aluminum model, finish is applied over a corrosion resistant, hexavalent chromium free, RoHS compliant coating. Aluminum model available in one additional metal finish: Clear Anodized. Brass model available in three additional metal finishes: Natural, Polished, and Aged.

Stem

1" diameter machined stem comes in various stem lengths. Maximum allowable stem length depends on mount option (see **Ordering Information**). Soil type and installation manner may limit safe stem length further. To prevent fixture from toppling over, these factors must be taken into account when choosing stem length or mount type.

Lens

Tempered, clear lens, secured to cap with a high temperature, UV curing, silicone adhesive.

Socket

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

Light Engine¹²

COB LED: Both COB LED light engine options use industry standard replaceable components for ease of field maintenance and future upgrades and includes features like: field changeable optics (15°, 24°, 36°, 55°, 65°), choice of color temperature (2700K, 3000K, 3500K, 4000K), CRI (80, 90), and an L70 > 40,000 hrs.

Integral Driver COB LED:

Includes a field replaceable low voltage driver in three current choices for 400lm, 700lm, or 1000lm nominal light output. Driver features include: 12VAC input (+/- 10%), ELV and MLV phase dimming (contact V3 for dimmer compatibility), high

power factor (> 0.9), and internal protection (short circuit, overload, thermal, auto-reset).

Remote Driver COB LED:

Requires 350mA max. Vision3 approved constant current Driver Mount (see Ordering Information below). Features a nominal light output of 1600lm (with 15W max., 350mA driver mount). Note: see specification sheet of Driver Mount being specified for appropriate driver ratings and inputs.

MR16 Halogen: 12V bi-pin up to 50W (allowable wattage depends on model. See **Certification** heading). Lamp supplied by others.

Retrofit MR16 LED: 12V 7.5W (600lm) bi-pin retrofit Soraa™ 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 wet location use in landscape applications.

Integral Driver COB LED:

Integral Driver COB LED available in all configurations.

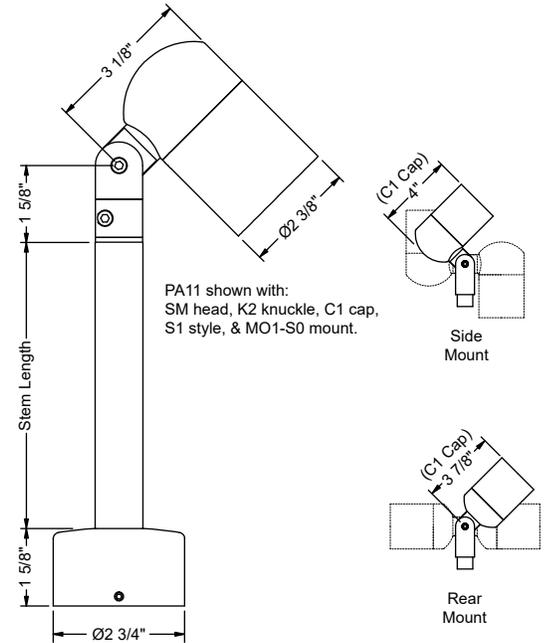
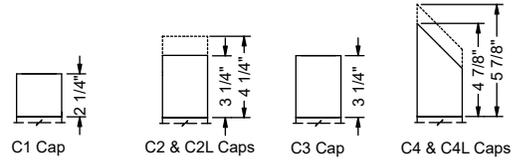
Remote Driver COB LED:

PA12(A or B) - 350mA max driver current.

MR16 Halogen:

**PA11A - 50W Max.
PA11B - 35W Max.**

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



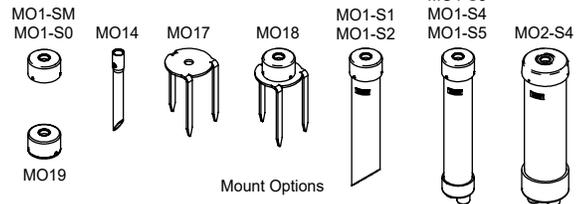
PA11 shown with: SM head, K2 knuckle, C1 cap, S1 style, & MO1-S0 mount.

Knuckle

Machined knuckle allows for a full range of aiming positions. Double taper design (U.S. Patent #6,966,679) allows fixture to hold position during aiming and ensures a solid lock when tightened. Molded silicone wire seal prevents water entry around wires at knuckle. Available Rotate and Lock option (U.S. Patent #7,108,405 & #7,458,552) allows for full 360° horizontal aiming and locking.

Cap

Machined caps lock in place with one set screw, and are sealed to the body with a high temperature silicone O-ring. Regress Lens caps have drain holes for water drainage from top of lens if mounted in the up position. 'Flush Lens' cap styles incorporate a stepped lens to reduce the collection of water and debris on



Ordering Information

Model	Head	Knuckle ³	Cap Style	Style	Stem	Mount ^{4,6}	Input Voltage ⁶	Light Engine ¹²	Lens Accy ⁸	Louwer ⁹			
PA11A - Aluminum PA11B - Brass	SM - Side Mount RM - Rear Mount ²	K1 - Standard K2 - Rotate & Lock	Standard Lens: C1 - Flush C2 - Regress Lens C2L - Regress Lens, Long C3 - Regress Lamp C4 - 45° Angled Flush Lens: C1F - Flush C2F - Regress Lens C2LF - Regress Lens, Long C3F - Regress Lamp C4F - 45° Angled C4LF - 45° Angled, Long	S1 - Straight	3 - 3" 6 - 6" 12 - 12"	36 - 36" 42 - 42" 48 - 48"	Low Voltage Mounts: 12 - 12V Line Voltage Mounts: 120 - 120V 230 - 230V ³ 277 - 277V ³ Driver Mounts: UNV - 120-277V	MR16 Halogen: ¹ 0 - None (lamp by others) Retrofit MR16 LED: ^{2,9} 155 - 7.5W, 600lm, 90CRI, 3000K, 10° 156 - 7.5W, 600lm, 90CRI, 3000K, 25° 157 - 7.5W, 600lm, 90CRI, 3000K, 36° Amber MR16 LED (Turtle Safe): ³ AM1 - 5W, 380lm, 85CRI, 30°, Turtle Safe Amber ⁸ Integral Driver COB LED: ^{3,10} LE2 - XXXX - X - XX - XX	0 - None L1 - Spread L2 - Linear L3 - Softening	0 - None H1 - Hex			
Notes:	Finish	Metal Finishes:			Mount^{4,6}								
1. Allowable wattage depends on model. See Certification heading.	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	CLA - Clear Anodized (PA11A only) NAT - Natural (PA11B only) POL - Polished (PA11B only) AGE - Aged (PA11B only)			SN - No Mount (Nipple Only) ⁵ Low Voltage Mounts: MO1-S0 - No Mount (MO1 Cap Only, 36" max. stem) MO1-SM - MO1 Surface Mount (36" max. stem) MO1-S1-12 - 12" MO1 Stake Mount (36" max. stem) MO1-S1-18 - 18" MO1 Stake Mount (36" max. stem) MO1-S2-12 - 12" MO1 Adj. Stake Mount (12" stem only) MO1-S2-18 - 18" MO1 Adj. Stake Mount (18" stem only) MO1-S2-24 - 24" MO1 Adj. Stake Mount (24" to 48" stems only) MO1-S4-12 - 12" MO1 Junction Mount (36" max. stem) MO1-S4-18 - 18" MO1 Junction Mount (36" max. stem) MO2-S4-12 - 12" MO2 Junction Mount (48" max. stem) MO14 - MO14 Brass Stake Mount (24" max. stem) MO17 - MO17 Spike Mount (24" max. stem) MO18 - MO18 Spike Mount w/ Cap (24" max. stem) MO19 - MO19 Surface Mount w/ Cap (36" max. stem) Line Voltage Mounts: MO1-S3-12 - 12" MO1 Junction w/ Transformer (36" max. stem) MO1-S3-18 - 18" MO1 Junction w/ Transformer (36" max. stem) Driver Mounts (use w/ Remote Driver COB LED only): MO1-S5-12-15-UNV-350-TRI - 12" Junction w/ Driver (36" max. stem) MO1-S5-18-15-UNV-350-TRI - 18" Junction w/ Driver (36" max. stem)					Lumen Output 0400 - 4W, 400lm 0700 - 8W, 700lm 1000 - 8W, 1000lm	Optics 8 ->80 27 - 2700K 15 - 15° 9 ->90 30 - 3000K 24 - 24° 35 - 3500K 36 - 36° 40 - 4000K 55 - 55° 65 - 65°		
2. Rear Mount head has limited adjustability and should be used for up lighting only.	BL - Black BN - Bronze WI - White SI - Silver GY - Grey BE - Beige												
3. K1 knuckle is protected under U.S. Patent #6,966,679. K2 knuckle is further protected under U.S. Patents #7,108,405 & #7,458,552.													
4. See mount specification sheets for mount details.													
5. SN mount option requires that a separate mount be used.													
6. Select Input Voltage from options that match selected Mount type.													
7. Use only approved 7.5W Retrofit MR16 LED lamps and supplied heat sink mount, otherwise LED may overheat.													
8. AM1 Turtle Safe Amber LED can only be specified with 1 lens accessory.													
9. Retrofit LED, Amber LED, and Integral Driver COB LED options only available with 12 or 120 Input Voltage options. Only power													
10. Integral Driver COB LED Light Engine options do not require a separately specified remote driver. See specifications above for required voltage input.													
11. Remote Driver COB LED Light Engine options must be used with Driver Mounts shown.													
12. All lumen values cited are nominal lumen output (ideal lumen output of light engine only in lab conditions). Actual fixture output will vary with cap type, material, lens/optics options, and environmental conditions. For more accurate information, see fixture photometry files on website.													
13. Specifications, certifications, and ordering information are subject to change. Please check website for latest specification sheets.													

Example: PA11A - BN - SM - K2 - C2 - S1 - 18 - MO1-S3-12 - 120 - LE2-0700-8-30-36 - L1 - H1