

VISION 3 LIGHTING

MR16 Staff Light **MODEL PA11**

12V 50W Max., MR16 Halogen
12V 7.5W, 12/24V 10W, or 12V 12.5W LED

Specifications

Material

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

Head

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

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.

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. Integral LED models have a molded silicone wire seal to prevent water entry 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 18-8 stainless steel 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 the lens. All caps accept up to three internal accessories, held in place by a stainless steel clip.

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.

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.

Lamps

MR16 Halogen: 12V bi-pin up to 50W (maximum allowable wattage depends on model and application. See **Certification** heading).

Integral LED: 12-24V AC/DC 10W or 12V AC/DC 12.5W LED options include integral driver with High/Low switch for 35W/20W (10W) or 50W/35W (12.5W) halogen equivalent outputs. LED Modules are field replaceable and feature replaceable lenses, an L70 > 60,000 hrs., dynamic transformer recognition, phase dimming (see Transformer and Dimmer Compatibility List), and patented LEDSense® thermal management. Note: requires up to 13W (10W) or 15W (12.5W) at startup, which must be allowed for during system design.

Retrofit MR16 LED: 12V 7.5W 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

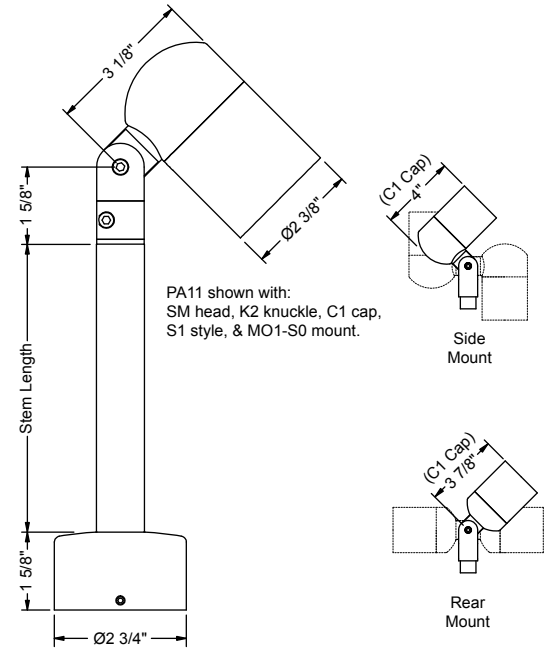
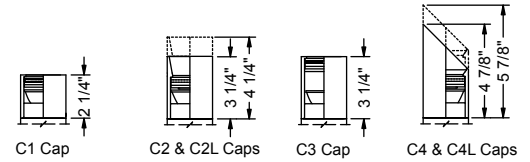
CSA tested & certified to US and Canadian safety standards for the following applications (except for 230V option):

Wet location landscape use (UL1838):

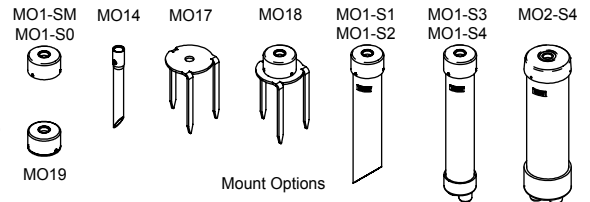
PA11A - 50W Max. MR16 Halogen lamp.
PA11B - 35W Max. MR16 Halogen lamp.

LED options can be used in all models and applications.

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



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



Ordering Information

Model ¹	Head	Knuckle	Style	Mount ³	Input Voltage	Lamp	Lens Accy ⁶	Filter ⁶	Louver ⁶
PA11A - Aluminum	SM - Side Mount	K1 - Standard	S1 - Straight	SN - Nipple Only (No Mount & No Cap) ⁴	12 - 12V	Integral LED (3000K, >80 CRI): ^{6,7,8}	0 - None	0 - None	0 - None
PA11B - Brass	RM - Rear Mount ²	K2 - Rotate & Lock		MO1-S0 - No Mount (MO1 Cap Only, 36" max. stem)	120 - 120V ⁵	116 - 10W, 12°	L1 - Spread	F4 - Green	H1 - Hex
				MO1-SM - MO1 Surface Mount (36" max. stem)	230 - 230V ^{5,8}	117 - 10W, 21°	L2 - Linear	F2 - Blue	F6 - Pink
				MO1-S1-12 - 12" MO1 Stake Mount (36" max. stem)	277 - 277V ^{5,8}	118 - 10W, 41°	L3 - Softening	F3 - Light Blue	F7 - Mercury Vapor
				MO1-S1-18 - 18" MO1 Stake Mount (36" max. stem)		Retrofit MR16 LED (3000K, 95 CRI): ^{7,8,9}			
				MO1-S2-12 - 12" MO1 Adj. Stake Mount (12" stem only)		147 - 7.5W, 10°			
				MO1-S2-18 - 18" MO1 Adj. Stake Mount (18" stem only)		148 - 7.5W, 25°			
				MO1-S2-24 - 24" MO1 Adj. Stake Mount (24" to 48" stems only)		149 - 7.5W, 36°			
				MO1-S3-12 - 12" MO1 Junction w/ Transformer (36" max. stem) ⁵		MR16 Halogen: ¹			
				MO1-S3-18 - 18" MO1 Junction w/ Transformer (36" max. stem) ⁵		0 - None			
				MO1-S4-12 - 12" MO1 Junction Mount (36" max. stem)		01 - ESX, 20W, 12°			
				MO1-S4-18 - 18" MO1 Junction Mount (36" max. stem)		02 - BAB, 20W, 40°			
				MO2-S4-12 - 12" MO2 Junction Mount (48" max. stem)		03 - FRB, 35W, 12°			
				MO14 - MO14 Brass Stake Mount (24" max. stem)		04 - FRA, 35W, 23°			
				MO17 - MO17 Spike Mount (24" max. stem)		05 - FMW, 35W, 40°			
				MO18 - MO18 Spike Mount w/ Cap (24" max. stem)		09 - EXT, 50W, 13°			
				MO19 - MO19 Surface Mount w/ Cap (36" max. stem)		10 - EXZ, 50W, 26°			
						11 - EXN, 50W, 40°			
						12 - FNV, 50W, 60°			

Notes:

- Allowable wattage depends on model. See **Certification** heading.
- Rear Mount head has limited adjustability and should be used for up lighting only.
- See mount spec. sheets for mount details.
- SN mount option requires that a separate mount be used.
- 120, 230, and 277 voltage options only available with the MO1-S3-12 and MO1-S3-18 mount options.
- Only two lens accessories can be used with Integral LED.
- Other color temperatures available as a special order.
- LED options only available with 12 or 120 Input Voltage options. Only power LED lamp options with approved transformers (contact V3 for mount, transformer, and dimmer compatibility info).
- Use only approved Retrofit MR16 LED lamps and supplied heat sink mount, otherwise LED may overheat.
- 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 - 02 - L1 - 0 - H1