

VISION-3

LIGHTING

MR16 / LED Dual Staff Light **MODEL PA16**

12V 50W Max. ea., Dual MR16 Halogen

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

Specifications

Material

Available in machined 6061-T6 aluminum with 18-8 stainless steel hardware.

Head

Machined heads come 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

A Rotate and Lock knuckle (protected under U.S. Patents #6,966,679, #7,108,405 and #7,458,552) mounts each head and allows for adjustability. Double taper design allows fixture to hold position during aiming and ensures a solid lock when tightened. Molded silicone wire seals prevent water entry around wires at knuckles.

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 two internal accessories, held in place by a stainless steel clip.

Finish

TGIC thermo set polyester powder coat paint available in 14 standard colors. Finish is applied over a corrosion resistant, hexavalent chromium free, RoHS compliant coating. Also available in one additional metal finish: Clear Anodized.

Lens

Tempered, clear lenses, secured to caps with a high temperature, UV curing, silicone adhesive.

Socket

Two GY-6.35 porcelain sockets with 600V, 250°C, PTFE coated 18 ga leads (for bi-pin lamp options only).

Light Engines¹²

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

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

Retrofit MR16 LED: Two 12V 7.5W (600lm) bi-pin retrofit Soraa™ MR16 LED lamps with specially engineered heat sink mounts 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.

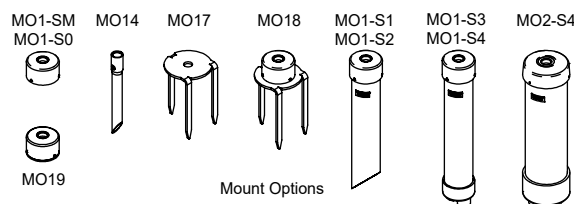
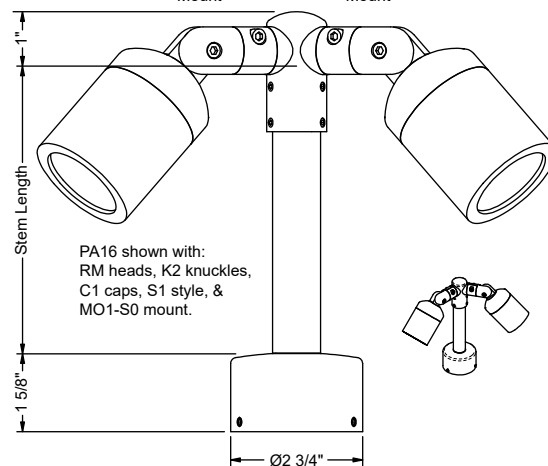
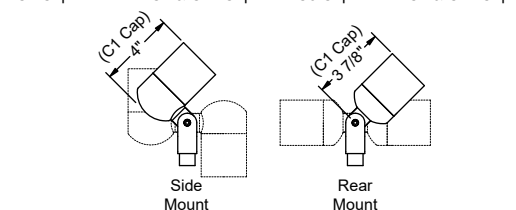
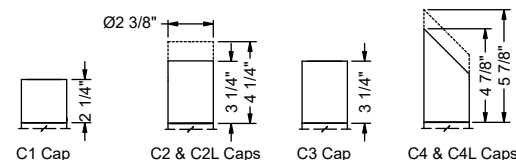
Remote Driver COB LED:

350mA max driver current each head.

MR16 Halogen:

50W Max. each head.

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



Ordering Information

PA16A		K2		S1		Mount		Input Voltage		Light Engine		Lens Accy		Louver	
Model PA16A	Finish	Head SM - Side Mount RM - Rear Mount	Knuckle ¹ K2 - Rotate & Lock	Cap Style ¹¹ Standard Lens:	Style S1 - Straight	Stem ²	SN - No Mount (Nipple Only) ⁴	Low Voltage Mounts:	Line Voltage Mounts:	Driver Mounts:	MR16 Halogen: 0 - None (lamp by others)	Retrofit MR16 LED: ^{4,8}	0 - None L1 - Spread L2 - Linear L3 - Softening	0 - None 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		BL - Black BN - Bronze WI - White SI - Silver GY - Grey BE - Beige		C1 - Flush C2 - Regress Lens C2L - Regress Lens, Long C4 - 45° Angled C4L - 45° Angled, Long		3 - 3" 6 - 6" 12 - 12" 18 - 18" 24 - 24" 30 - 30" 36 - 36" 42 - 42" 48 - 48"		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) MO2-S4-18 - 18" 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)	MO1-S3-12 - 12" MO1 Junction w/ Transformer (36" max. stem) MO1-S3-18 - 18" MO1 Junction w/ Transformer (36" max. stem) MO2-S3-12 - 12" MO2 Junction w/ Transformer (48" max. stem) (120V only) MO2-S3-18 - 18" MO2 Junction w/ Transformer (48" max. stem) (120V only)	UNV - 120-277V					
Metal Finishes: CLA - Clear Anodized				C1F - Flush C2F - Regress Lens C2LF - Regress Lens, Long C3F - Regress Lamp C4F - 45° Angled C4LF - 45° Angled, Long							Amber MR16 LED (Turtle Safe): ⁸ AM1 - 5W, 380lm, 85CRI, 30°, Turtle Safe Amber ⁷				
												Integral Driver COB LED: ^{4,9} LE2 - XXXX - X - XX - XX			

Notes:

- K2 knuckle is protected under U.S. Patents #6,966,679, #7,108,405, and #7,458,552.
- Other stem lengths are available upon request. Contact Vision3.
- See mount specification sheets for mount details.
- SN mount option requires that a separate mount be used.
- Select Input Voltage from options that match selected Mount type.
- Use only approved 7.5W Retrofit MR16 LED lamps and supplied heat sink mount, otherwise LED may overheat.
- AM1 Turtle Safe Amber LED can only be specified with 1 lens accessory.
- Retrofit LED, Amber LED, and Integral Driver COB 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).
- Integral Driver COB LED Light Engine options do not require a separately specified remote driver. See specifications above for required voltage input.
- Remote Driver COB LED Light Engine options must be used with Driver Mounts shown.
- Cap Style, Light Engine, Lens Accy and Louver options specified will be used for each head. To use different options for each head, contact Vision3.
- 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.
- Specifications, certifications, and ordering information are subject to change. Please check website for latest specification sheets.