

VISION 3 LIGHTING

Side Mount MR16 Flood **MODEL FL11** 12V 50W Max., MR16 Halogen 12V 7.5W, 12/24V 10W, or 12V 12.5W LED

Specifications

Body

Machined 6061-T6 aluminum or C36000 brass body with 18-8 stainless steel hardware. Side mount knuckle is pressed into body and sealed with a high temperature silicone O-ring.

Knuckle

Machined 6061-T6 aluminum or C36000 brass mounting knuckle with a 1/2" NPS threaded male fitting allows a full range of mounting 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 high temperature silicone O-ring prevents leaking between housing and knuckle. 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 6061-T6 aluminum or C36000 brass cap locks in place with an 18-8 stainless steel set screw and is sealed to the body with a high temperature silicone O-ring. Drain hole in C2 & C4 style caps allows for water drainage from top of lens. 'Flush Lens' cap options reduce the collection of water and debris on the lens. All caps accept 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.

Socket

GY-6.35 porcelain socket with 600V, 250°C, PTFE coated 18 ga leads.

Lens

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

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:

Wet location landscape use (UL1838):

FL11A - 50W Max. MR16 Halogen lamp.

FL11B - 35W Max. MR16 Halogen lamp.

Wet location wall mount use (UL1598):

FL11A - 50W Max. MR16 Halogen lamp.

FL11B - 20W Max. MR16 Halogen lamp.

Wet location ceiling mount use (UL1598):

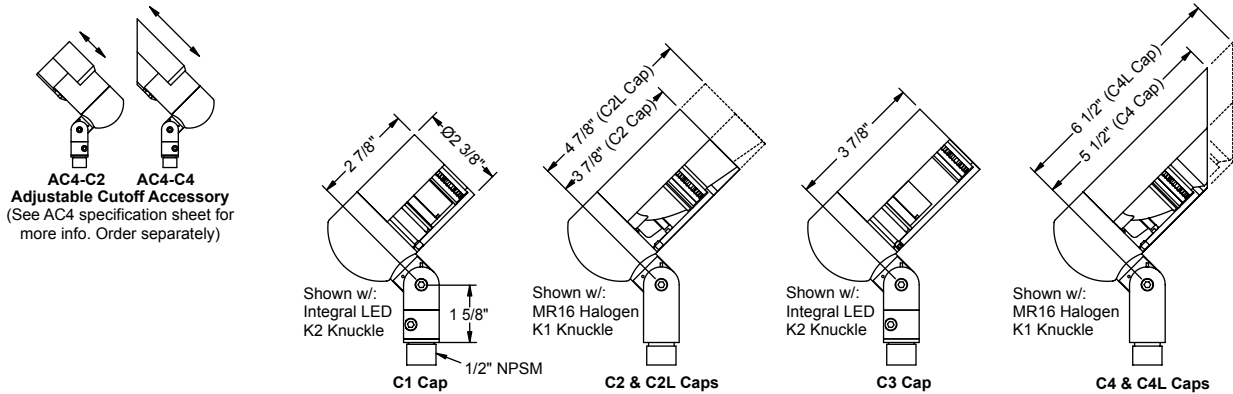
FL11A (remote transformer) - 42W Max. MR16 Halogen lamp.

FL11A (transformer in j-box) - 20W Max. MR16 Halogen lamp.

FL11B - 20W 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.



Ordering Information

Model	Cap Style	Knuckle	Lens Accy ³	Filter ³	Louver ³
FL11A - Aluminum FL11B - Brass	Standard Lens: C1 - Flush C2 - Regress Lens C2L - Regress Lens, Long C3 - Regress Lamp C4 - 45° Angled C4L - 45° Angled, Long	K1 - Standard ² K2 - Rotate & Lock ²	0 - None L1 - Spread L2 - Linear L3 - Softening	0 - None F1 - Red F2 - Blue F3 - Light Blue F4 - Green F5 - Amber F6 - Pink F7 - Mercury Vapor	0 - None H1 - Hex
Finish	Flush Lens: C1F - Flush C2F - Regress Lens C2LF - Regress Lens, Long C3F - Regress Lamp C4F - 45° Angled C4LF - 45° Angled, Long	Lamp			
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	Integral LED (3000K, >80 CRI): ^{3,4,5} 116 - 10W, 12° 141 - 12.5W, 12° 117 - 10W, 21° 142 - 12.5W, 21° 118 - 10W, 41° 143 - 12.5W, 41°			
Metal Finishes: CLA - Clear Anodized (FL11A only) NAT - Natural (FL11B only) POL - Polished (FL11B only) AGE - Aged (FL11B only)		MR16 Halogen: ¹ 0 - None 05 - FMW, 35W, 40° 01 - ESX, 20W, 12° 09 - EXT, 50W, 13° 02 - BAB, 20W, 40° 10 - EXZ, 50W, 26° 03 - FRB, 35W, 12° 11 - EXN, 50W, 40° 04 - FRA, 35W, 23° 12 - FNV, 50W, 60°			
		Retrofit MR16 LED (3000K, 95 CRI): ^{4,5,6} 147 - 7.5W, 10° 148 - 7.5W, 25° 149 - 7.5W, 36°			

Notes:

1. Allowable wattage depends on model and application. See **Certification** heading above.
2. K1 knuckle is protected under U.S. Patent #6,966,679. K2 knuckle is further protected under U.S. Patent #7,108,405 & #7,458,552.
3. Only two lens accessories can be used with Integral LED.
4. Other color temperatures available as a special order.
5. Only power LED lamp options with approved transformers (contact V3 for transformer & dimmer compatibility info).
6. Use only approved Retrofit MR16 LED lamps and supplied heat sink mount, otherwise LED may overheat.
7. Specifications, certifications, and ordering information are subject to change. Please check website for latest specification sheets.

Example: **FL11B - AGE - C2F - K2 - 02 - 0 - F2 - H1**