

VISION-3 LIGHTING

Side Mount MR16 / LED Flood **MODEL FL11** 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.

Knuckle

Side mount knuckle is pressed into body and sealed with a high temperature silicone O-ring. Machined 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 while a molded silicone wire seal prevents 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 cap locks in place with one 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 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. 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 (for MR16 Halogen and MR16 LED options).

Lens

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

Light Engine⁸

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. 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, wall mount, and ceiling mount applications per UL1838 & UL1598.

Integral Driver COB LED:

Integral Driver COB LED available in all configurations.

Remote Driver COB LED:

FL11(A or B) - 350mA max driver current.

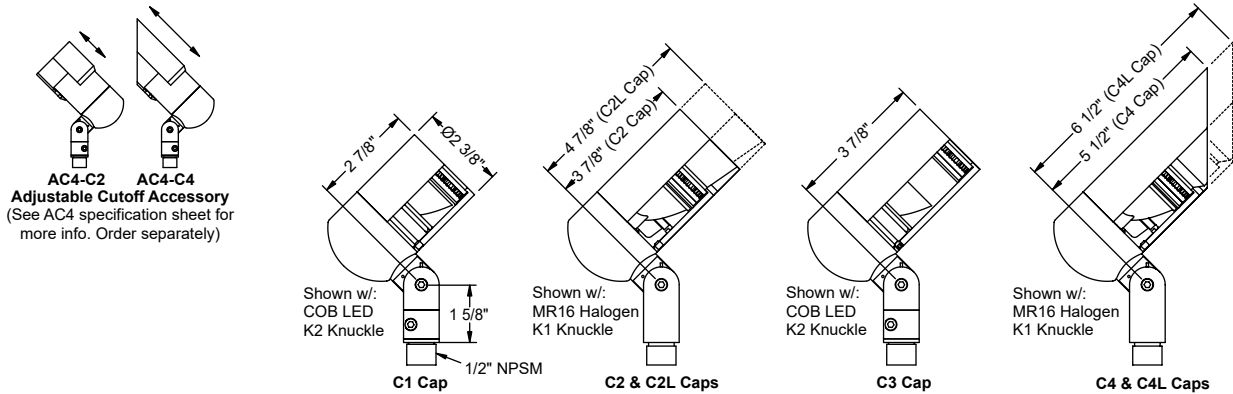
MR16 Halogen

Wall mount use: Landscape use:
FL11A - 50W Max. **FL11A - 50W Max.**
FL11B - 20W Max. **FL11B - 35W Max.**

Ceiling mount use:

FL11A (remote transformer) - 42W Max.
FL11A (transformer in j-box) - 20W Max.
FL11B - 20W Max.

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



Ordering Information

Finish	Model	Cap Style	Knuckle ²	Light Engine ⁸	Lens Accy ⁴	Louver ⁴																												
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 Metal Finishes: CLA - Clear Anodized (FL11A only) NAT - Natural (FL11B only) POL - Polished (FL11B only) AGE - Aged (FL11B only)	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 Flush Lens: C1F - Flush C2F - Regress Lens C2LF - Regress Lens, Long C3F - Regress Lamp C4F - 45° Angled C4LF - 45° Angled, Long	K1 - Standard K2 - Rotate & Lock	MR16 Halogen: ¹ 0 - None (lamp by others) Retrofit MR16 LED: ^{3,5} 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): ⁵ AM1 - 5W, 380lm, 85CRI, 30°, Turtle Safe Amber ⁴	0 - None L1 - Spread L2 - Linear L3 - Softening	0 - None H1 - Hex																												
				Integral Driver COB LED: ^{5,6} LE2 - XXXX - X - XX - XX <table border="1"> <thead> <tr> <th>Lumen Output</th> <th>CRI</th> <th>CCT</th> <th>Optics</th> </tr> </thead> <tbody> <tr> <td>0400 - 4W, 400lm</td> <td>8 -> 80</td> <td>27 - 2700K</td> <td>15 - 15° 55 - 55°</td> </tr> <tr> <td>0700 - 8W, 700lm</td> <td>9 -> 90</td> <td>30 - 3000K</td> <td>24 - 24° 65 - 65°</td> </tr> <tr> <td>1000 - 8W, 1000lm</td> <td>35 - 3500K</td> <td>36 - 36°</td> <td>40 - 4000K</td> </tr> </tbody> </table> Remote Driver COB LED (requires remote driver): ⁷ C02 - X - XX - XX <table border="1"> <thead> <tr> <th>CRI</th> <th>CCT</th> <th>Optics</th> </tr> </thead> <tbody> <tr> <td>8 -> 80</td> <td>27 - 2700K</td> <td>15 - 15° 55 - 55°</td> </tr> <tr> <td>9 -> 90</td> <td>30 - 3000K</td> <td>24 - 24° 65 - 65°</td> </tr> <tr> <td>35 - 3500K</td> <td>36 - 36°</td> <td>40 - 4000K</td> </tr> </tbody> </table>	Lumen Output	CRI	CCT	Optics	0400 - 4W, 400lm	8 -> 80	27 - 2700K	15 - 15° 55 - 55°	0700 - 8W, 700lm	9 -> 90	30 - 3000K	24 - 24° 65 - 65°	1000 - 8W, 1000lm	35 - 3500K	36 - 36°	40 - 4000K	CRI	CCT	Optics	8 -> 80	27 - 2700K	15 - 15° 55 - 55°	9 -> 90	30 - 3000K	24 - 24° 65 - 65°	35 - 3500K	36 - 36°	40 - 4000K		
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Notes:

- Allowable wattage depends on model and application. See **Certification** heading above.
- Knuckle is protected under U.S. Patents #6,966,679, #7,108,405, & #7,458,552.
- 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.
- Only power Retrofit LED, Amber LED, and Integral Driver COB LED Light Engine 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 an approved V3 driver mount (specified separately). Note: allowable drive current may be limited by fixture options. See 'Certification' heading above.
- 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.

Example: **FL11B - AGE - C2F - K2 - LE2-0400-9-27-65 - 0 - H1**