

Job:

Approval:

Type:

VISION 3

LIGHTING

LED Up Light **MODEL FL16**

12V 42W Max., MR16 Halogen

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

Specifications

Body

Machined 6061-T6 aluminum or C36000 brass body with industry standard 1/2"-14 NPSM external threads for mounting.

Cap

Machined cap locks in place with one 18-8 stainless steel set screw, and is sealed to the body with a high temperature silicone O-ring. Round C2 & C4 caps have drain holes for water drainage from top of lens. Square caps feature removable and field interchangeable cutoffs with 'flow-through' design for 360° drainage with no light leak. '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. 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 Engine⁷

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 42W (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 per UL1838:

Integral Driver COB LED:

Integral Driver COB LED available in all configurations.

Remote Driver COB LED:

FL16(A or B) - 350mA max driver current.

MR16 Halogen:

Plastic Mount:

FL16A (No Stem) - Not Rated.

FL16A (3" Stem) - 20W Max.

FL16A (6"+ Stem) - 42W Max.

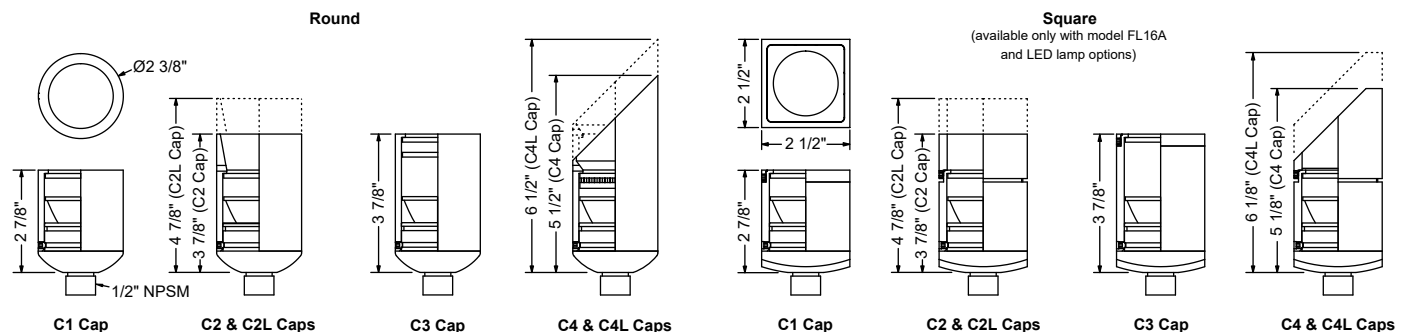
FL16B - Not rated.

Non-Plastic Mount:

FL16A - 37W Max.

FL16B - 20W Max.

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



Ordering Information

Model	Shape	Cap Style	Light Engine ⁷	Lens Accy	Louver
FL16A - Aluminum FL16B - Brass ¹	RND - Round SQ - Square ¹	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	MR16 Halogen: ^{1,2} 0 - None (lamp by others) Retrofit MR16 LED: ^{3,4} 155 - 7.5W, 600lm, 90CRI, 3000K, 10° 156 - 7.5W, 600lm, 90CRI, 3000K, 25° 157 - 7.5W, 600lm, 90CRI, 3000K, 36° Integral Driver COB LED: ^{4,5} LE2 - XXXX - X - XX - XX 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	0 - None L1 - Spread L2 - Linear L3 - Softening	0 - None H1 - Hex
Finish 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 (FL16A only) NAT - Natural (FL16B only) POL - Polished (FL16B only) AGE - Aged (FL16B only)	BL - Black BN - Bronze WI - White SI - Silver GY - Grey BE - Beige				

Notes:

- SQ shape available with model FL16A and LED Light Engines only.
- Allowable wattage depends on model and application. See Certification heading above.
- Use only approved 7.5W Retrofit MR16 LED lamps and supplied heat sink mount, otherwise LED may overheat.
- Only power 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.

Remote Driver COB LED (requires remote driver):⁶

C02 - X - XX - XX	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		

Example: **FL16A - BNT - RND - C2 - LE2-0400-8-30-24 - L1 - 0**

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