

VISION3 LIGHTING

MR16 / LED Down Light **MODEL DL1** 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.

Body

Machined body and stem (if specified) are permanently attached to canopy using a 304 stainless steel threaded nipple. Molded silicone wire seal prevents water entry around wires.

Cap

Machined cap locks in place with one set screw, and is sealed to the body with a high temperature silicone O-ring. Square caps feature removable and field interchangeable cutoffs. All caps accept up to two internal accessories, held in place by a stainless steel clip.

Mount Canopy

Available with the following mount options: MO3 (Machined Round Canopy), MO15 (Machined Square Canopy), and MO12 (Surface Mount Powered Canopy). MO3 & MO15 mount options come mounted to a steel universal mounting ring for ease of mounting and adjustment on an industry standard round junction box. See mount specification sheets for more information. (Mount canopy must be mounted to an appropriate ceiling or junction box, in such a manner that is capable of holding the weight of the fixture. Junction box and hardware not included).

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 & MR16 LED options).

Lens

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

Light Engine¹⁰

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 (see Ordering Information below). 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 ceiling use (UL1598) with the following ratings:

Integral Driver COB LED:

Integral Driver COB LED available in all configurations.

Remote Driver COB LED:

DL1(A or B) - 350mA max driver current.

MR16 Halogen

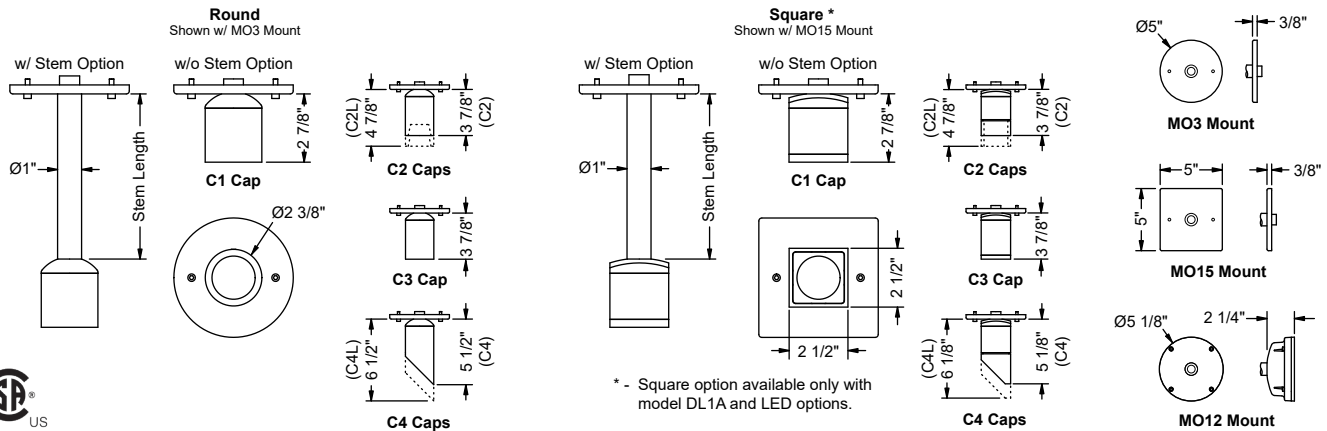
DL1A (on MO3 & MO15): DL1A (on MO12 w/ transformer):
No stem option - 20W Max. No stem option - 20W Max.
3" stem option - 37W Max. 3" stem option - 42W Max.
6"+ stem options - 50W Max. 6"+ stem option - 50W Max.

DL1A (on MO12 w/o transformer):
All options - 50W Max.

DL1B (All models):

No stem option - Not rated for MR16 Halogen.
3"+ stem options - 20W Max. MR16 Halogen.

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



Ordering Information

Model	Finish	Shape	Cap Style	Stem	Mount ³	Light Engine ¹⁰	Lens Accy ⁶	Louver ⁵
DL1A - Aluminum DL1B - Brass ^{1,2}		RND - Round SQ - Square ¹	C1 - Flush C2 - Regress Lens C2L - Regress Lens, Long C3 - Regress Lamp C4 - 45° Angled C4L - 45° Angled, Long	0 - No Stem ² 3 - 3" 6 - 6" 12 - 12" 18 - 18" 24 - 24" 30 - 30" 36 - 36" 42 - 42" 48 - 48"	Low Voltage Mounts (Remote Transformer Required): MO3 - Round Canopy MO15 - Square Canopy MO12 - Surface Mount Canopy Line Voltage Mounts (Integral Transformer): MO12-75-120 - MO12 w/ 75W, 120V MO12-75-230 - MO12 w/ 75W, 230V ¹ MO12-75-277 - MO12 w/ 75W, 277V ¹ Driver Mounts (Remote Driver COB LED only): MO12-15-UNV-350-TRI - MO12 w/ 15W, 120-277V, 350mA	MR16 Halogen: ^{1,2,4} 0 - None (lamp by others) Retrofit MR16 LED: ^{5,7} 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): ⁷ AM1 - 5W, 380lm, 85CRI, 30°, Turtle Safe Amber ⁵ Integral Driver COB LED: ^{1,8} LE2 - XXXX - X - XX - XX	0 - None L1 - Spread L2 - Linear L3 - Softening	0 - None H1 - Hex

Notes:

- SQ shape available with model DL1A and LED Light Engines only.
- 0 - No Stem option is only available with model DL1B when using LED Light Engines.
- See mount specification sheets for mount details.
- Allowable wattage depends on model, mount, and stem length. See **Certification** heading above.
- 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 may not be compatible with MO12-75-230 and MO12-75-277 mounts. 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 Driver Mounts shown.
- 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: DL1A - CLA - RND - C3 - 18 - MO12 - LE2-0700-8-27-55 - 0 - H1