

VISION 3 LIGHTING

MR16 Down Light **MODEL DL1**
 12V 50W Max., MR16 Halogen
 12V 7.5W, 12/24V 6W, or 12V 10W LED

Specifications

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).

Body

Machined 6061-T6 aluminum or C36000 brass body and stem (if specified) are permanently attached to canopy using a 304 stainless steel threaded nipple. Integral LED modules have a molded silicone wire seal to prevent water entry.

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. Square caps feature removable and field interchangeable cutoffs.

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 6W (400lm) or 12V AC/DC 10W (700lm) LED options include integral driver with High/Low switch for 35W/20W (6W) or 50W/35W (10W) 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.

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:

DL1A (MO3 & MO15 mounts):

No stem option - 20W Max. MR16 Halogen.
 3" stem option - 37W Max. MR16 Halogen.
 6"+ stem options - 50W Max. MR16 Halogen.

DL1A (MO12 mount w/ transformer):

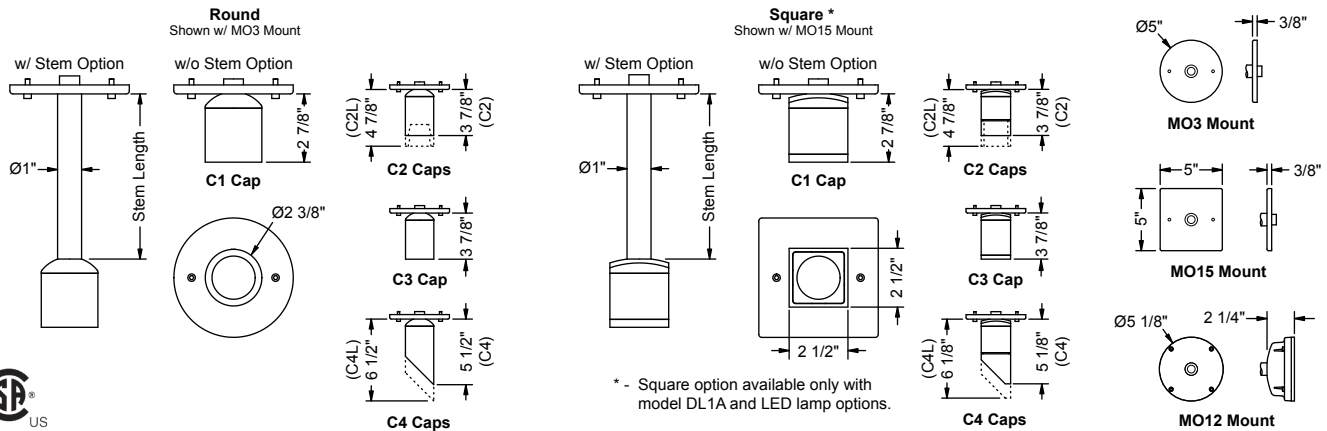
No stem option - 20W Max. MR16 Halogen.
 3" stem option - 42W Max. MR16 Halogen.
 6"+ stem option - 50W Max. MR16 Halogen.

DL1A (MO12 mount w/o transformer):

All options - 50W Max. MR16 Halogen.
DL1B (All mounts):
 No stem option - Not rated for MR16 Halogen.
 3"+ stem options - 20W Max. MR16 Halogen.

LED options can be used in all models and applications.

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



Ordering Information

Model	Shape	Cap Style	Stem	Mount ³	Lamp	Lens Accy ⁷	Filter ⁷	Louver ⁷
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" Stem 6 - 6" Stem 12 - 12" Stem 18 - 18" Stem 24 - 24" Stem 30 - 30" Stem 36 - 36" Stem 42 - 42" Stem 48 - 48" Stem	Remote Transformer Required: MO3 - Round Canopy MO15 - Square Canopy MO12 - Surface Mount Canopy Integral Transformer: MO12-75-120 - MO12 w/ 75W, 120V MO12-75-230 - MO12 w/ 75W, 230V ⁴ MO12-75-277 - MO12 w/ 75W, 277V ⁴	Integral LED (3000K, >80 CRI): ^{4,6,7} 116 - 6W, 12° 141 - 10W, 12° 117 - 6W, 21° 142 - 10W, 21° 118 - 6W, 41° 143 - 10W, 41° Retrofit MR16 LED (3000K, 90 CRI): ^{4,6,8} 155 - 7.5W, 10° 156 - 7.5W, 25° 157 - 7.5W, 36° MR16 Halogen: ^{1,2,5} 0 - None 01 - ESX, 20W, 12° 02 - BAB, 20W, 40° 03 - FRB, 35W, 12° 04 - FRA, 35W, 23° 05 - FMW, 35W, 40° 09 - EXT, 50W, 13° 10 - EXZ, 50W, 26° 11 - EXN, 50W, 40° 12 - FNV, 50W, 60°	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

- Notes:**
- SQ shape available with model DL1A and LED lamps only
 - 0 - No Stem option is only available with model DL1B when using LED lamps.
 - See MO3, MO12, or MO15 specification sheet for mount details.
 - Only power LED options with V3 approved transformers. LED lamp options may not be compatible with 230V and 277V input. Contact V3 for mount, transformer, or dimmer compatibility info.
 - Allowable wattage depends on model, mount, and stem length. See Certification heading above.
 - Other color temperatures available as a special order.
 - Only two lens accessories can be used with Integral LED.
 - Use only approved Retrofit MR16 LED lamps and supplied heat sink mount, otherwise LED may overheat.
 - Specifications, certifications, and ordering information are subject to change. Please check website for latest specification sheets.

Example: DL1A - CLA - RND - C3 - 18 - MO12 - 02 - 0 - F2 - H1