

# VISION 3 LIGHTING

## MR16 Down Light **MODEL DL1**

12V 50W Max., MR16 Halogen

12V 7.5W, 12/24V 10W, or 12V 12.5W 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 models 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 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 Sora™

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):

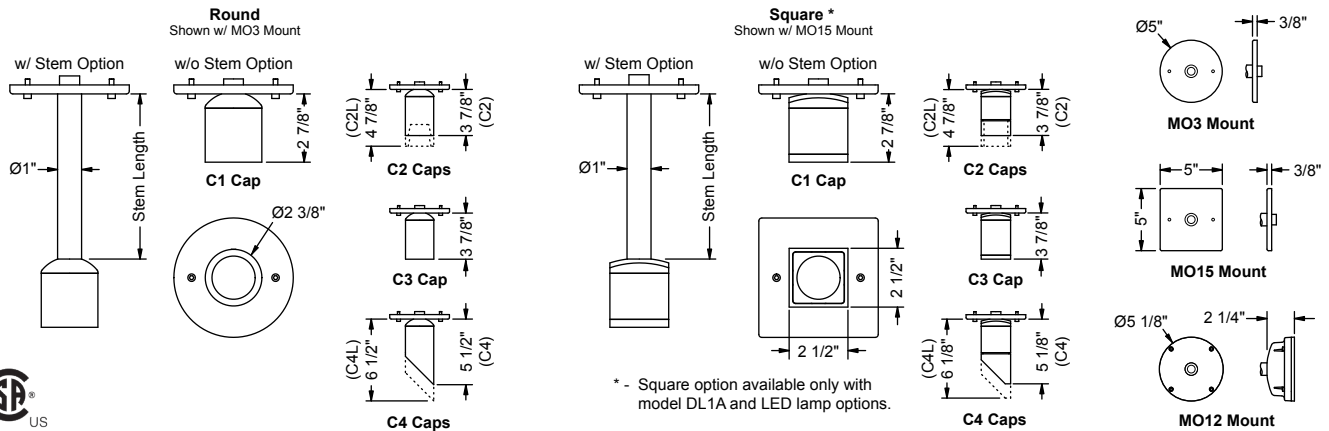
All options - 50W Max. MR16 Halogen.

##### 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 web site or contact V3 for most current info.



### Ordering Information

Model	Shape	Cap Style	Stem	Mount <sup>3</sup>	Lamp	Lens Accy <sup>7</sup>	Filter <sup>7</sup>	Louver <sup>7</sup>
DL1A - Aluminum	RND - Round	C1 - Flush	0 - No Stem <sup>2</sup>	Remote Transformer Required:	Integral LED (3000K, >80 CRI): <sup>4,6,7</sup>	0 - None	0 - None	0 - None
DL1B - Brass <sup>1,2</sup>	SQ - Square <sup>1</sup>	C2 - Regress Lens	3 - 3" Stem	MO3 - Round Canopy	116 - 10W, 12°	L1 - Spread	F1 - Red	F5 - Amber
		C2L - Regress Lens, Long	6 - 6" Stem	MO15 - Square Canopy	117 - 10W, 21°	L2 - Linear	F2 - Blue	F6 - Pink
		C3 - Regress Lamp	12 - 12" Stem	MO12 - Surface Mount Canopy	118 - 10W, 41°	L3 - Softening	F3 - Light Blue	F7 - Mercury Vapor
		C4 - 45° Angled	18 - 18" Stem	Integral Transformer:	Retrofit MR16 LED (3000K, 95 CRI): <sup>4,6,8</sup>			
		C4L - 45° Angled, Long	24 - 24" Stem	MO12-75-120 - MO12 w/ 75W, 120V	147 - 7.5W, 10°			
			30 - 30" Stem	MO12-75-230 - MO12 w/ 75W, 230V <sup>4</sup>	148 - 7.5W, 25°			
			36 - 36" Stem	MO12-75-277 - MO12 w/ 75W, 277V <sup>4</sup>	149 - 7.5W, 36°			
			42 - 42" Stem		MR16 Halogen: <sup>1,2,5</sup>			
			48 - 48" Stem		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°			

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