

DESCRIPTION

Recessed downlight luminaire with 4 inch square aperture utilizing a low voltage MR16 tungsten-halogen lamp. Modular platform can be reconfigured from below the ceiling to accept a broad range of lamp modules and optical elements. Platform is suitable for 2x6 residential or shallow plenum commercial construction. Insulation must be kept 3" from top and sides of housing. Platform + module + element combination supports various lamp beam spreads for desired optical distribution with excellent light control and low aperture brightness.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Frame

Galvanized steel plaster frame with integral bar hanger receivers. Setscrews provide positive horizontal locking.

Collar

Matte black steel collar adjusts vertically for 1/2" - 1" thick ceilings and can be rotated +/- 7.5° thru the aperture. Integral gun sights facilitate the use of guide strings or laser lines. Shipped with a paint overspray protector installed in the collar.

Lamp Module

Installed or removed thru the aperture or from the top and allows lamp orientation at 0°, 90°, 180° and 270° positions.

Housing

Steel housing painted matte black for a visually dark interior. Removable hinged top allows for top access. All fasteners are captive.

Gaskets

Closed cell gaskets achieve restrictive airflow requirements without additional caulking.

Optical Element

Mousetrap type springs pull flange tight to ceiling. Light trap eliminates spill light at edge of flange and reflector. Available in self-flanged or metal trim ring versions. May also be installed rimless using optional plastering lathing ring.

Bar Hangers

Captive preinstalled bar hangers adjusts from 8-1/2" to 24" wide; pass thru feature allows shortening without removal. Captive nail penetrates standard and engineered lumber. Mounting flange levels platform with ceiling. Integral clip attaches directly to t-bar.

Butterfly Bracket

Provides 3" of vertical adjustment and accept 1/2" EMT, C channel or bar hangers.

Lower Reflector

Aluminum parabolic shielding prismatoid provides for 65° cutoff and is available in a wide range of semi specular Alzak® finishes. Corrugated Baffle: An optional embossed pattern that extends through the flange adding a subtle design element and reduces aperture brightness.

Junction Box

(7) 1/2" trade size pry outs, (3) integral clamps for non-metallic cable. Rated for (8) #12 thru branch circuits. Wago® type push wire connectors for field connections

Thermal Protector

Self-resetting thermal protector protects against improper lamping and direct contact with insulation.

Transformer

Integral dual output toroidal magnetic transformer, 120V 50/60Hz input 12V nominal 75VA maximum output. Separate output for circuits controlled by dimmers compensates for losses in dimmers improves color temperature and lumen output.

Lamp Capsule

Ceramic GX5.3 lamp holder mounts to die cast aluminum heat sink to dissipate heat. Connects to the transformer with electrical quick connects. Accepts 2 lenses, filters, or optional lamp snoot.

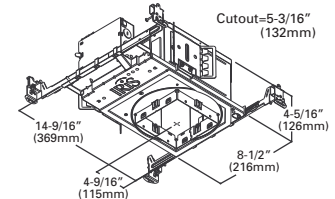
Code Compliance

Thermally protected, IP labeled, cULus listed for damp locations and ASTM-E283 AIRTITE(tm).

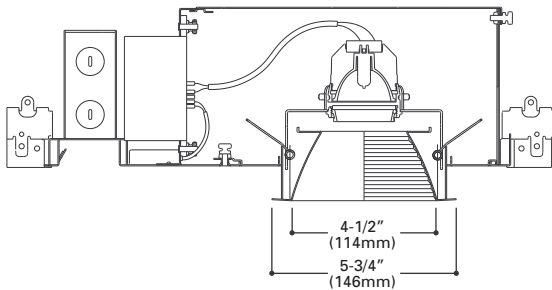


**P406TAT
MV4MR
E4MR E4MRCB
75W MR16
Tungsten-Halogen**

4 Inch Square Downlight



ENERGY DATA		
Lamp Wattage (Nominal)	Input Power (Watts)	Input Current (Amps)
20	21	0.17
35	37	.031
37	39	0.32
42	44	0.37
50	53	0.44
65	69	0.57
71	76	0.63
75	81	0.67



ORDERING INFORMATION: Complete unit consists of platform, lamp module and optical element.

Platform	Lamp Module	Optical Element	Finish	Flange	Accessories
	MV4MR				
<p>P406TAT = 4" Square Aperture Non-IC Housing</p> <p>P406TCP = 4" Square Aperture Non-IC Chicago Plenum Housing</p>	<p>MV4MR = MR16 Vertical Lamp Module, 120V Input</p>	<p>E4MR = 4" Square Aperture Lower Shielding Prismatoid, Open</p> <p>E4MRCB = 4" Square Aperture Corrugated Lower Shielding Prismatoid, Open</p>	<p>Alzak® Finishes</p> <p>H = Clear Haze</p> <p>WMH = Warm Haze</p> <p>WHH = Wheat Haze</p> <p>KH = Cognac Haze</p> <p>GPH = Graphite Haze</p> <p>CTH = Cobalt Haze</p> <p>CCH = Chocolate Haze</p> <p>BH = Black Haze</p> <p>Painted Finishes</p> <p>MW = Matte White</p> <p>MB = Matte Black</p>	<p>[Blank] = Metal Trim Ring, Matte White</p> <p>SF = Self Flanged</p> <p>SFWF = Self Flanged, Matte White Flange (SFWF not available with corrugated baffle)</p>	<p>PLR4x4 = Plaster lathing ring for rimless</p> <p>RLA4x4 = Rimless adapter for solid ceiling surfaces</p> <p>EDC4x41 = Extended depth collar for 1" - 1-1/2" thick ceilings</p> <p>EDC4x42 = Extended depth collar for 1-1/2" - 2" thick ceilings</p> <p>L4X4HEX = Matte black hex cell louver</p> <p>MTR4MW = Metal trim ring, matte white</p> <p>MTR4MB = Metal trim ring, matte black</p> <p>MTR4SN = Metal trim ring, satin nickel</p> <p>MTR4AC = Metal trim ring, antique copper</p> <p>MTR4TBZ = Metal trim ring, tuscan bronze</p> <p>LSA16 = Matte black lamp snoot accessory</p> <p>L Series - Filter Media For MR16 lamps (See Accessories specification sheet)</p>