DESCRIPTION

Recessed directional luminaire with 1-3/4 inch square pinhole aperture utilizing MR16 GX10 ceramic metal halide 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 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 #	Туре
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

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 at 0°, 90°, 180° and 270° positions. Hot aiming rotates 365°, tilts 45° and locks in position using #2 Philips screwdriver. Translating center beam optics aligns axis of lamp with aperture as lamp translates from nadir to 45°.

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.

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.

Pinhole

Die cast aluminum flange with black occulus providing glare control. Occulus can be removed to facilitate painting or to create a larger (2-1/4") square aperture. Mouse trap type springs pull frame tight to ceiling. Light trap eliminates spill light at edge of flange.

May also be installed flush to ceiling using optional plastering lathing ring. Provided with both straight and angle cut parabolic shielding cones, shipped with angle cut version installed.

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.

Universal input electronic ballast provides full light output and rated lamp life. Provides noise free operation and starting. Offers excellent line voltage regulation resulting in increased color stability and flicker free operation.

Lamp Capsule

Pulse rated ceramic GX10 lampholder connects to ballast with electrical quick connects. Accepts 1 lens, filter or optional lamp snoot.

Code Compliance

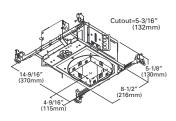
Thermally protected, cULus listed for damp locations and ASTM-E283 AIRTITE(tm).



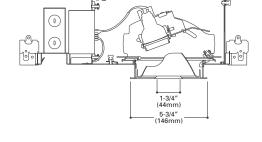
P406TAT MA4CMH20MRE E4PIN

20W MR16 Ceramic Metal Halide

1-3/4 Inch Square Directional



	Min. Starting Temp -30°C			
Sound Rating Class A		EMI/RFI Emissions FCC 18C		
Input Frequency 50/60 Hz		Power Factor > 0.99		
Input Voltage 108V - 305V		THD < 10%		
ıt Power	24W	Nominal		
t Current	120V 0.20A	277V 0.09A		
)/60 Hz	0/60 Hz Power Factor : - 305V THD < 10% ut Power 24W		



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

Platform	Lamp Module	Ballast Option	Optical Element	Finish	Flange	Accessories	
	MA4CMH						
P406TAT = 4" Square Aperture Non-IC Housing P406TCP = 4" Square Aperture Non-IC Chicago Plenum Housing	MA4CMH = Ceramic Metal Halide, MR16 Adjustable Lamp Module	20MRE = 20W CMH MR16 120 - 277V UNV	E4PIN = 1-3/4" Squa Aperture Pinhole W Occulus [Blank] = Occulus	ith = Black	Blank] = Self Flan Matte White Flan RL = Rimless, Ma White Flange	ge (For Use With E4PINRL Only)	oot accessory 16 lamps

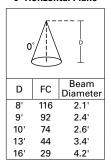


Trim: E4PIN

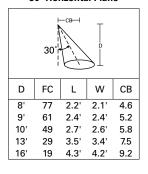
Lamp: 20W 12° CMH MR16



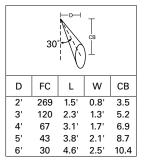
0° Horizontal Plane



30° Horizontal Plane



30° Vertical Plane



45° Vertical Plane

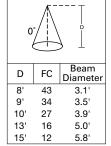
	45°					
D	FC	L	W	СВ		
2'	600	0.8'	0.6'	2		
3'	267	1.2'	1.0'	3		
4'	150	1.6'	1.3'	4		
5'	96	2.0'	1.6'	5		
6'	67	2.4'	1.9'	6		

Trim: E4PIN

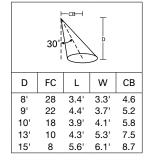
Lamp: 20W 25° CMH MR16



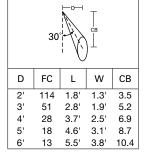
0° Horizontal Plane



30° Horizontal Plane



30° Vertical Plane



45° Vertical Plane

