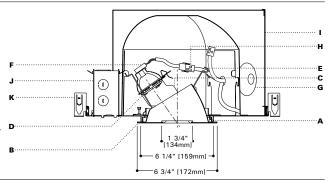
Specification grade 50 watt MR16 Pinhole fixture rated for direct contact with insulation. Adjustment mechanism features hot aiming capability, aiming marks and tooless locking. Pinhole minimizes aperture appearance and optics provide glare free 50° cutoff to lamp and lamp image For use with all halogen MR16 lamp varieties. Lamp module and optical element can be changed after installation to provide a variety of lamp sources and distributions. e.g. into an A19 Wall Wash



SPECIFICATION FEATURES

A...Reflector

.040 thick aluminum spun parabolic interior reflector in Black Alzak® finish. Die-cast 1.82" occulus with knife edge produces dark aperture. Occulus with either flat black or white finish.

B···Flange

Die-cast flange with matte white finish. Elements are keyed for proper insertion.

C···Adjustability

Lamp locks in 361° rotation, 45° tilt. Unit is relamped without unlocking adjustments. Translating centerbeam optics maximize light output.

D···Lens

Soft focus lens standard for smooth beam patterns. Up to two filter media can be used which are retained during relamping.

E···Attachment

Positive torsion springs pull flange tight to ceiling. Mechanical light trap eliminates spill light at edge of flange or reflector.

F···Socket

GX5.3 base for Bi-pin MR16 lamps, Back light shield keeps interior of fixture dark.

G···Transformer

Truvolt toroidal transformer with dual-output taps for proper 12.0V operation and quiet operation when dimmed. Dimmer tap compensates for inherent voltage loss from dimmers, resulting in 30% more lumens than traditional laminated transformers. Toroidal design, with 90% or greater efficiency, features a rolled one-piece continuous core of M3 grade grain oriented silicon steel complete with an integral thermal to protect against overheating. For dimming, use dimmers rated for electromagnetic transformers. Transformer is warranted for 5 years and is serviceable from below ceiling.

Note: If a dimming system is operated for con-

struction lighting in its "shunt" mode, i.e. bypassing the dimmer modules, for an extended period of time, fixtures with the dual-tap toroidal transformer should be operated on the "Switched Fixture" output until the dimmers are in use. Operating fixtures on the "Dimmed Fixture" output with a full 120v input for an extended period will overdrive the lamp and cause shortened lamp life.

Keyed quick connect for low voltage socket lead. Transformer is serviceable from below ceiling.

I...Frame/Housing

Hot dipped galvanized 20 gauge steel frame with built in 1/2 inch plaster lip. Aluminum .032 thick housing allows for heat dissipation and reduces weight. Matte black housing interior.

J...Junction Box

18 cubic inches, listed for 4#12 AWG or 6#14 AWG 90° C additional feed through conductors, has six 1/2 inch pryouts.

K...Bar Hangers

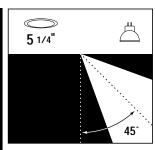
No Flex bar hangers with positive locking, for use with wood, engineered wood and steel frame joists spaced up to 24" O.C. ship with platform. For use in T-bar ceilings order accessory MBCLP clips. Nailess barb and locator lip provide consistent installation height.

L···Codes

Thermally protected, IP labeled, for use in direct contact with insulation. Meets Washington State Air tight requirements, 1995 CABO Model Energy Code.

M · · · Labels

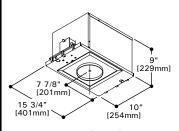
UL AND cUL listed, standard damp label, IBEW union made.



P5 M₅MR E5PIN

50W MR16

5" ADJUSTABLE PINHOLE

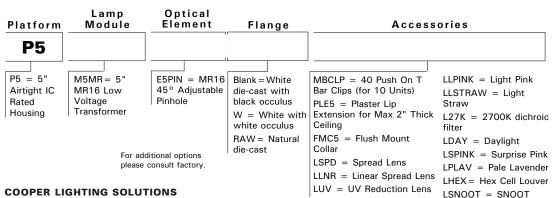


Ceiling Cutout 6 1/4" [159mm]

Energy Data 120V Input Lamp Input Operating Watts Watts Current 20 23 .19 35 41 34 37 42 .35 42 47 .39 50 57 .48

ORDERING INFORMATION

Complete unit consists of a platform, module and element



	180°—	0° Aiming Angle Horizontal Footcandles				30°					30° Aiming Angle Vertical Footcandles					45° Aiming Angle Vertical Footcandles						
Lamp	od/m²					30° Aiming Angle Horizontal Footcandles																
GE Q50 MR16/C/FL/25	cd/m ² @ Maximum Tilt Degree @ 180° @ 90°		D FC L W				D FC L W						D FC L		W CB		D FC L			W CB		
Beam Spread: 25°	85°	0	0	6'	77		2	6'	48	2.6	2.7	3.5	2'	106	2.1	1.4	3.5	2'	203		1.2	2
CBCP: 3,000	75°	0	0	8'	43	2.7	2.7	8'	27	3.5	3.6	4.6	3'	47	3.1	2.1	5.2	3'	90	1.8	1.7	3
OBOI : 0,000	65°	0	0	10'	28	3.4	3.4	10'	17	4.4	4.5	5.8	4'	27	4.1	2.7	6.9	4'	51	2.4	2.3	4
	55°	0	0	12' 6	" 18	4.3	4.3	12' 6	3" 11	5.5	5.6	7.2	5'	17	5.2	3.4	8.7	5'	33	3	2.9	5
	45° 0 0			Test # H22406				Test # H22409				Test # H22409				Test # H22410						
	Test # H22																					
GE Q50 MR16/C/FL/40	Degree	@ 180°	@ 90°	D	FC	L	W	_ D	FC	L	W	СВ	_ D	FC	L	W	СВ	_ <u>D</u>	FC	L	W	СВ
Beam Spread: 40°	85°	0	00	_6'	39	3	3	6'	25	3.9	3.5	3.5	2'	80	1.8	1.4	3.5	_2'		1.2	1.2	2
CBCP:1,700	75°	0	0	_8'	22	4	4	8'	14	5.2	4.6	4.6	3'_	36	2.7	2.1	5.2	_ 3'	63		1.8	3
	65°	0	0	10'	14	5	5	10'	9	6.6	5.8	5.8	4'	20	3.6	2.8	6.9	4'	36	2.4	2.5	4
	55°	0	0	12' 6		6.2	6.2	12' 6		8.2	7.2	7.2	5'	13	4.5	3.5	8.7	5'	23	3	3.1	5
	45°	Test # H22400				Test # H22404				Test # H22404				Test # H22403								
GE Q50 MR16/C/NSP15	Test # H22		@ 90°	D	FC	L	w	D	FC	L	w	СВ	D	FC	L	w	СВ	D	FC	L	w	СВ
	Degree 85°	@ 180° 0	<u>@ 90°</u>	ال 6'	208	1.5	1.5	لا .	208	1.5	1.5	3.5	2'	1	0	2.1	3.5	- D 2'		0.8	0.7	2
Beam Spread: 15° CBCP: 9,500	75°	0	0	8'	117	1.9	1.9	8'	117	1.9	1.9	4.6	3'	1	0	3.2	5.2	3'			1.1	3
	65°	0	0	10'	75	2.4	2.4	10'	75	2.4	2.4	5.8	4'	0	0	4.2	6.9	4'		1.6	1.4	4
	55°	0		12' 6	" 10	2	2	12' 6	" 10	2	2	7 2	15'	0		F 2	8.7	5'	76	1.9	1.8	5
	45°	0	0	Test #	H22396			Test #	H2239	7		1	Test #	H2239	7			Test	# H223	398		
	Test # H22	398																				
			•		Š	C							2									

Notes and Definitions:

Luminance: To convert cd/m² to footlamberts, multiply by 0.2919

• Beam spread is to 50% center beam candlepower (CBCP.)

D = Distance to floor or wall.

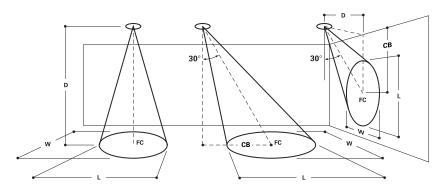
FC = Footcandles on floor or wall at center beam aiming location.

L = Effective Visual Beam length in feet (50% of maximum footcandle level.) W = Effective Visual Beam width in feet (50% of maximum footcandle level.)

CB = Distance across or down to center beam location.

IRIS believes that bare lamp data photometrics vastly overstate the performance of low

The "real world photometrics" shown here are from off the shelf lamps in fixtures using a clear lens and operated at 12.0 volts. Please see page 64 & 65 of the IRiS catalog for a further discussion and appropriate correction multipliers.



Note: Specifications and Dimensions subject to change without notice.

