

DESCRIPTION

Specification grade 75 watt MR16 adjustable fixture for use with narrow joist spacing. Insulation must be kept 3" from fixture sides and top of fixture. Adjustment mechanism features hot aiming capability, aiming marks and toolless locking. Optics provide glare free 50° cutoff to lamp and lamp image. For use with all halogen MR16 lamp varieties. **Lamp modules and optical element can be changed after installation to provide a variety of lamp sources and distributions. e.g. into an A19 Wal Wash**

SPECIFICATION FEATURES

A...Reflector

Slot cut cone minimizes view into interior. .040 thick aluminum spun parabolic reflector in Clear, Gold, Haze, Warm Haze, Black Alzak® finish, painted gloss white or matte white. Special cone colors listed below. E5AA20 recommended for ceilings over 7/8" thick

B...Flange

Self flange reflector or die-cast flange with either matte white or clear coat finish. Die-cast flanges are easily removed for field painting. 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 in platform 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 construction 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.

H...Electrical

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. One piece 20 gauge steel housing for seamless construction is painted matte black for a visually dark interior.

J...Junction Box

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

K...Bar Hangers

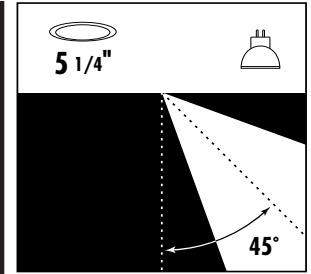
No Flex® bar hangers with positive locking, for use with wood, engineered wood and steel frame joists spaced up to 24" O.C. ship with platform. For use in T-bar ceilings order accessory MBCLP clips. Nailless barb and locator lip provide consistent installation height.

L...Codes

Unit is airtight and exchanges less than 2.0 CFM with the plenum at a pressure of 75 pascals. Insulation must be kept three inches away from fixture sides and none on top as to entrap heat.

M...Labels

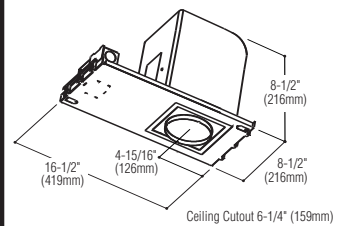
UL AND CUL listed, standard damp label, IBEW union made.



**PN5
M5MR
E5AA
E5SLOT**

75 W MR16

**5" ADJUSTABLE
ACCENT**



Energy Data

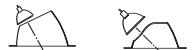
120V Input

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

E5AA

E5AA20

E5SLOT



ORDERING INFORMATION

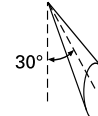
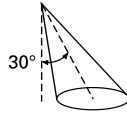
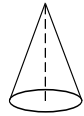
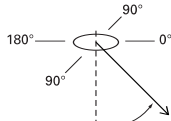
Complete unit consists of a platform, module and element

Platform	Lamp Module	Optical Element	Finish		Flange	Accessories	
PN5							
PN5 = 5" Airtight Non-IC Housing	M5MR = 5" MR16 Low Voltage Transformer	E5AA = 5" MR16 45° Adjustable Accent Reflector E5SLOT= 5" 0-45° Slot Cut Adjustable Accent Reflector E5AA20= 5" 20° Adjustable Accent Reflector	Standard C=Clear B=Black H=Haze G=Gold WMH=Warm Haze W=Gloss White B= Black MW= Matte White Custom K=Cognac KH=Cognac Haze	Custom Cont. CC=Chocolate CCH=Chocolate Haze BU=Blush BUH=Blush Haze GP=Graphite GPH=Graphite Haze PN=Pine PNH=Pine Haze SK=Sky SKH=Sky Haze	Blank= White die-cast SF= Self Flange RAW= Natural Die-cast SFWF= Self Flange painted White	MBCLP = 40 Push On T Bar Clips (for 10 Units) PLE5 = Plaster Lip Extension for Max 2" Thick Ceiling FMC5 = Flush Mount Collar LSPD = Spread Lens LLNR = Linear Spread Lens LUV = UV Reduction Lens	LLPINK = Light Pink lens LLSTRAW = Light Straw lens L27K = 2700K dichroic filter LDAY = Daylight lens LSPINK = Surprise Pink lens LPLAV = Pale Lavender lens LHEX= Hex Cell Louver For additional options please consult factory.

COOPER LIGHTING SOLUTIONS

ADI030721

PHOTOMETRICS



Lamp	Luminance cd/m ² @ Maximum Tilt			0° Aiming Angle Horizontal Footcandles				30° Aiming Angle Horizontal Footcandles					30° Aiming Angle Vertical Footcandles					45° Aiming Angle Vertical Footcandles				
GE Q50 MR16/C/FL/25	Degree	@ 180°	@ 90°	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
Lumens: 884	85°	0	821	6'	85	2.4	2.4	6'	51	3	3.5	3.5	2'	112	2.3	1.7	3.5	2'	270	1.4	1.2	2
Beam Spread: 25°	75°	0	277	8'	48	3.2	3.2	8'	29	4.1	4.6	4.6	3'	50	3.5	2.6	5.2	3'	120	2.1	1.9	3
CBCP: 9,500	65°	0	169	10'	31	4	4	10'	18	5.1	5.8	5.8	4'	28	4.7	3.4	6.9	4'	67	2.8	2.5	4
	55°	125	250	12' 6"	20	5	5	12' 6"	12	6.3	7.2	7.2	5'	18	5.8	4.3	8.7	5'	43	3.4	3.1	5
	45°	2227	1721	Test # H22405				Test # H22407					Test # H22407					Test # H22408				
Test # H22408																						
GE Q50 MR16/C/FL40	Degree	@ 180°	@ 90°	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
Lumens: 750	85°	0	821	6'	49	3.4	4.2	6'	31	4.1	4	3.5	2'	111	1.8	1.5	3.5	2'	181	1.6	1.4	2
Beam Spread: 40°	75°	0	277	8'	28	4.5	5.6	8'	17	5.5	5.3	4.6	3'	49	2.7	2.3	5.2	3'	81	2.3	2.1	3
CBCP: 1,700	65°	0	169	10'	18	5.7	7	10'	11	6.9	6.7	5.8	4'	2.8	3.6	3.1	6.9	4'	45	3.1	2.8	4
	55°	125	250	12' 6"	11	7.1	8.8	12' 6"	7	8.6	8.3	7.2	5'	18	4.5	3.8	8.7	5'	29	3.9	3.5	5
	45°	1316	2024	Test # H22399				Test # H22401					Test # H22401					Test # H22401				
Test # H22402																						
GE Q50 MR16/C/NSP15	Degree	@ 180°	@ 90°	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
Lumens: 750	85°	0	0	6'	216	1.5	1.5	6'	131	1.8	1.9	3.5	2'	260	1.5	1	3.5	2'	668	0.8	0.7	2
Beam Spread: 15°	75°	277	277	8'	122	2	2	8'	74	2.4	2.5	4.6	3'	115	2.2	1.5	5.2	3'	297	1.3	1.1	3
CBCP:	65°	169	169	10'	78	2.5	2.5	10'	47	3	3.1	5.8	4'	65	2.9	2	6.9	4'	167	1.7	1.5	4
	55°	125	125	12' 6"	50	3.2	3.2	12' 6"	30	3.7	3.9	7.2	5'	42	3.7	2.5	8.7	5'	107	2.1	1.8	5
	45°	607	1012	Test # H22393				Test # H22394					Test # H22394					Test # H22395				
Test # H22395																						

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.

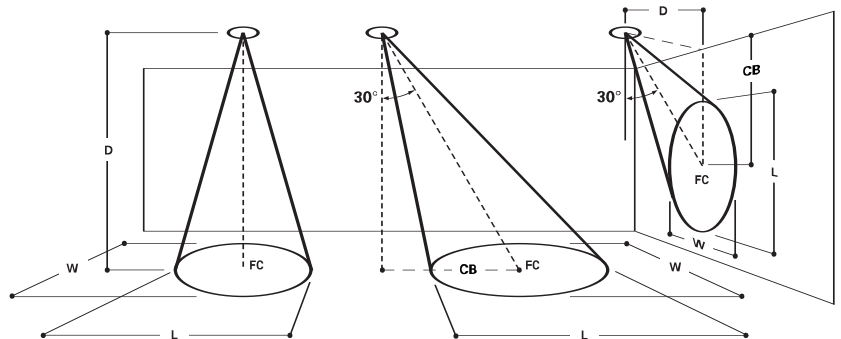
L=Effective Visual Beam length in feet (50% of maximum footcandle level.)

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 voltage adjustable accent fixtures.

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.

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