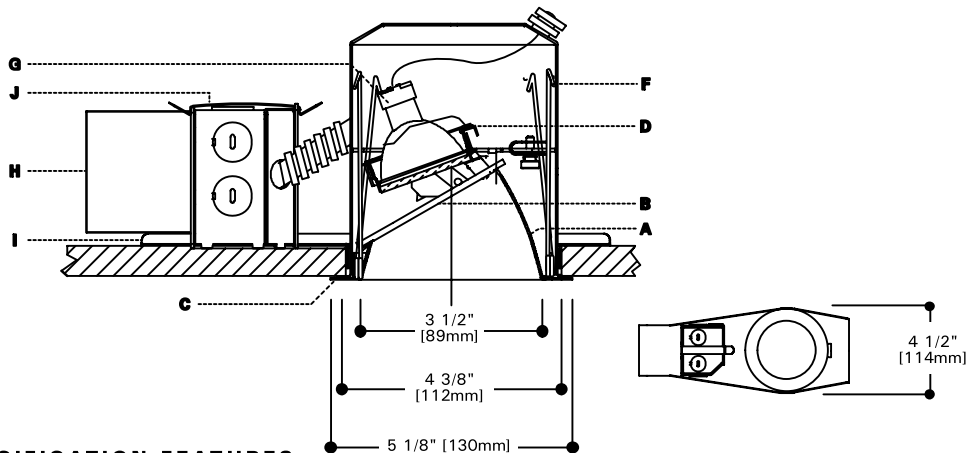


DESCRIPTION

A specification grade 50 Watt MR16 wet listed adjustable fixture for installation through existing ceilings. Fixture fits into tight 2" x 6" construction areas and from 1/2" to 1 1/2" ceiling thicknesses. A complete installation requires two components; the RPN-3MR remodel platform and a 3" Iris element. Elements may be changed after

installation to provide a variety of distributions. All Iris elements provide 50° cutoff to lamp and lamp image for glare-free lighting. Elements are visually identical and match when new and remodel fixtures are installed in the same job site. Insulation must be kept 3" away from sides and top of fixture.



SPECIFICATION FEATURES

A...Reflector

.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.

B...Glass

.125 thick tempered glass protects lamp from direct spray of water, and is retained during relamping.

C...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.

D...Adjustability

Lamp locks in 361° rotation, 35° tilt. Unit is relamped without unlocking adjustments. Translating center-beam optics maximize light output.

E...Lens

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

F...Attachment

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

G...Socket

GX5.3 base for Bi-pin MR16 lamps.

H...Transformer

Truvolt toroidal transformer with dual-input 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.

I...Frame/Housing

Hot-dipped galvanized 20-gauge steel frame with integral 1/2" plaster lip. Hole is sized for a 4-1/2" hole saw for precise, clean installations. Ceiling clip retains frame during insertion of housing. Easy-Lock cams lock housing into ceilings from 1/2" to 1 1/2" thick.

J...Junction Box

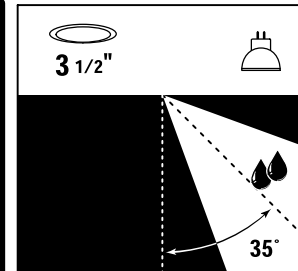
Listed for 6#14 AWG 90° C conductors, has six 1/2" pryouts.

Codes

Thermally protected, IP labeled. Insulation must be kept 3" away from sides and top of platform. Unit is listed for below-ceiling accessibility for components and inspection.

Labels

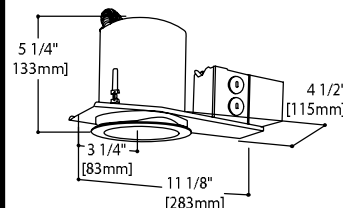
U.L. and c.U.L.-listed, wet listed label, IBEW union made. Installation instructions included with every unit.



**RPN3MR
E3AASR**

50 W MR 16

**3" REMODEL
ADJUSTABLE
SHOWER**



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

ORDERING INFORMATION

Complete unit consists of a platform and element

Platform	Optical Element	Finish	Flange	Accessories
RPN3MR	E3AASR			
RPN3MR = 3" Remodel Non-IC	E3AASR = MR16 0°- 35° Adjustable Accent Lensed Reflector	Standard C = Clear H = Haze G = Gold WMH = Warm Haze W = Gloss White MW = Matte White Custom K = Cognac	KH = Cognac Haze 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 RAW = Natural Die-Cast
				LSPD = Spread Lens LLNR = Linear Spread Lens LUV = UV Reduction Lens LLPINK = Light Pink LLSTRAW = Light Straw LDAY = Daylight LSPINK = Surprise Pink LPLAV = Pale Lavender LHEX = Hex Cell Louver

PHOTOMETRICS

Lamp	0° Aiming Angle Horizontal Footcandles				30° Aiming Angle Horizontal Footcandles					30° Aiming Angle Vertical Footcandles				
	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB
GE Q50MR16C/NSP15 Beam Spread: 15° CBCP: 9,500	6'	198	1.5	1.5	6'	129	1.8	1.8	3.5	2'	252	1.5	1	3.5
	8'	111	2	2	8'	73	2.4	2.4	4.6	3'	112	2.2	1.5	5.2
	10'	71	2.5	2.5	10'	47	3	3	5.8	4'	63	2.9	1.9	6.9
	12'6"	46	3.1	3.1	12'6"	30	3.7	3.7	7.2	5'	40	3.7	2.4	8.7
	Test # H21240				Test # H21243					Test # H212243				
GE 50MR16/C/NFL25 Beam Spread: 25° CBCP: 3,000	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB
	6'	77	2.5	2.5	6'	48	3	3.2	0	2'	108	2.2	1.7	3.5
	8'	43	3.3	3.3	8'	27	4	4.3	0	3'	48	3.4	2.5	5.2
	10'	28	4.1	4.1	10'	17	5	5.4	0	4'	27	4.5	3.4	6.9
	12'6"	18	5.1	5.1	12'6"	11	6.2	6.7	0	5'	17	5.6	4.2	8.7
	Test # H21187				Test # H21193					Test # H21193				
GE Q50MR16/C/FL40 Beam Spread: 40° CBCP: 1,700	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB
	6'	44	3.6	3.5	6'	29	4.1	4.1	3.5	2'	100	1.8	1.7	3.5
	8'	25	4.8	4.7	8'	16	5.5	5.5	4.6	3'	45	2.7	2.5	5.2
	10'	16	6	5.9	10'	10	6.9	6.9	5.8	4'	25	3.6	3.3	6.9
	12'6"	10	7.4	7.3	12'6"	7	8.6	8.6	7.2	5'	16	4.5	4.1	8.7
	Test # H21201				Test # H21202					Test # H21202				
GE Q42MR16C/VNSP Beam Spread: 9° CBCP: 12,500	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB
	6'	221	0.7	1.2	6'	126	1.2	1.2	3.5	2'	261	1	0.7	3.5
	8'	124	1	1.6	8'	71	1.6	1.6	4.6	3'	116	1.5	1	5.2
	10'	80	1.2	2	10'	45	2.1	2	5.8	4'	65	2	1.4	6.9
	12'6"	51	1.6	2.5	12'6"	29	2.6	2.5	7.2	5'	42	2.5	1.7	8.7
	Test # H21212				Test # H21211					Test # H21211				
OS 37MR16/IR/SP10 Beam Spread: 10° CBCP: 13,100	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB
	6'	303	0.9	0.9	6'	158	1.5	1.3	3.5	2'	303	1.3	0.7	3.5
	8'	170	1.2	1.2	8'	89	2	1.7	4.6	3'	135	2	1.1	5.2
	10'	109	1.6	1.6	10'	57	2.5	2.1	5.2	4'	76	2.6	1.4	6.9
	12'6"	70	1.9	1.9	12'6"	36	3.1	2.7	7.2	5'	48	3.3	1.8	8.7
	Test # H21253				Test # H21254					Test # H21254				
GE Q20MR16C/VNSP7 Beam Spread: 7° CBCP: 7,400	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB
	6'	139	0.7	0.7	6'	68	1.2	0.8	3.5	2'	150	0.9	0.5	3.5
	8'	78	1	1	8'	38	1.6	1.1	4.6	3'	67	1.3	0.8	5.2
	10'	50	1.2	1.2	10'	24	2.1	1.3	5.8	4'	38	1.7	1	6.9
	12'6"	32	1.5	1.5	12'6"	16	2.6	1.7	7.2	5'	24	2.1	1.3	8.7
	Test # H21232				Test # H21234					Test # H21234				

Notes and Definitions:

Luminance: To convert cd/m^2 to footlamberts, multiply by 0.2919

• Data is based upon bare lamps photometrics. Photometrics shown were tested with the E3PIN.

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

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.

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.

Specifications and Dimensions subject to change without notice.

