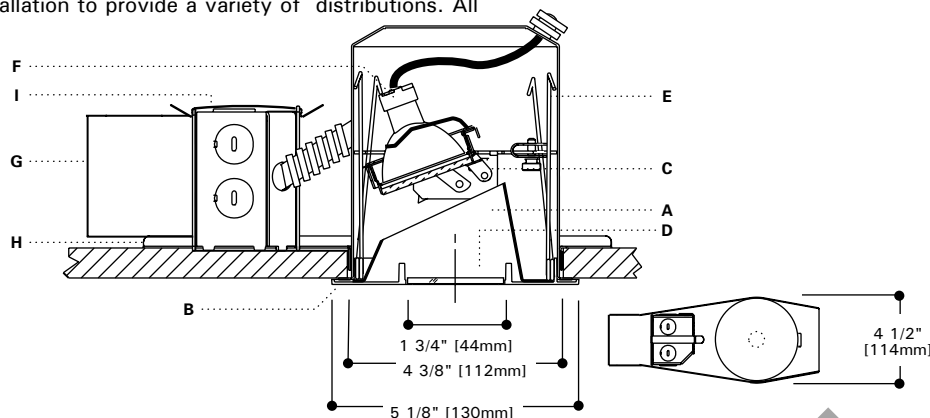


## DESCRIPTION

A specification grade 50 Watt MR16 adjustable wet location pinhole 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 interior reflector in Black Alzak® finish. Die-cast 1.25" occlusus with knife edge produces dark aperture. Occlusus with either flat black or white finish.

### B...Flange

Die-cast flange with Matte White finish. Die-cast flanges are easily removed for field painting. Elements are keyed for proper insertion.

### C...Adjustability

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

### D...Lens

Clear tempered glass lens seals for wet location. Soft focus lens in lamp capsule 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.

### F...Socket

GX5.3 base for Bi-pin MR16 lamps.

### G...Transformer

Truvolt toroidal transformer with dual-input taps for proper 12.0V operation and quiet operation when dimmed. Dimmer tap compensates for inherent volt-

age 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.

### H...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.

### I...Junction Box

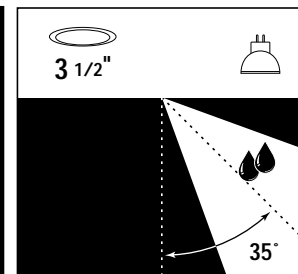
Listed for 6#14 AWG 90° C conductors, has six 1/2" pryouts.

### 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

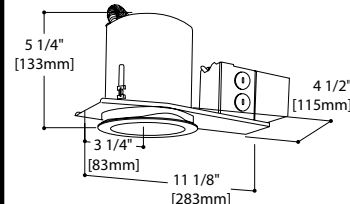
U.L. and cU.L.-listed, standard wet label, IBEW union made. Installation instructions included with every unit.



**RPN3MR  
E3AASRPIN**

**50 W MR 16**

**3" REMODEL  
ADJUSTABLE  
SHOWER  
REGRESSED PINHOLE**



## Energy Data

### 120V Input

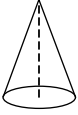

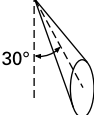
Lamp Watts	Input Watts	Operating Current
20	23	.19
35	41	.34
37	42	.35
42	47	.39
50	57	.48

## ORDERING INFORMATION

Complete unit consists of a platform and element

Platform	Lamp	Flange	Accessories
<b>RPN3MR</b>	<b>E3AASRPIN</b>		
RPN3MR = 3" Remodel Non-IC	E3AASRPIN = MR16 1-3/4" 35° Adjustable Shower Pinhole	Blank = White W = White POL = Polished Aluminum SAL = Satin Aluminum	LSPD = Spread Lens LLNR = Linear Spread Lens LUV = UV Reduction Lens LLPINK = Light Pink LLSTRAW = Light Straw L27K = 2700K dichroic filter 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				
<b>GE Q20MR16C/VNSP7</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>
	6'	87	0.7	0.7	6'	38	0.8	0.9	3.5	2'	79	0.7	0.6	3.5
	8'	49	0.9	0.9	8'	22	1.1	1.2	4.6	3'	35	1.1	0.8	5.2
	10'	31	1.1	1.1	10'	14	1.4	1.5	5.8	4'	20	1.5	1.1	6.9
	12'6"	20	1.4	1.4	12'6"	9	1.7	1.8	7.2	5'	13	1.8	1.4	8.7
Beam Spread: 7° CBCP 7,400	Test # H21233				Test # H21236					Test # H21236				
<b>OS 37MR16/IR/SP10</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>
	6'	151	1.3	1.3	6'	87	1.8	1.6	3.5	2'	147	1.6	0.9	3.5
	8'	85	1.8	1.8	8'	49	2.4	2.2	4.6	3'	65	2.4	1.3	5.2
	10'	54	2.2	2.2	10'	31	3	2.7	5.8	4'	37	3.1	1.8	6.9
	12'6"	35	2.8	2.8	12'6"	20	3.8	3.4	7.2	5'	24	3.9	2.2	8.7
Beam Spread: 10° CBCP 13,100	Test # H211258				Test # H21257					Test # H21257				
<b>GE Q42MR16C/VNSP</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>
	6'	123	0.8	1.2	6'	64	1.3	1.3	3.5	2'	121	1.1	0.8	3.5
	8'	69	1	1.6	8'	36	1.7	1.7	4.6	3'	54	1.6	1.1	5.2
	10'	44	1.3	2	10'	23	2.1	2.1	5.8	4'	30	2.2	1.5	6.9
	12'6"	28	1.6	2.5	12'6"	15	2.6	2.7	7.2	5'	19	2.7	1.9	8.7
Beam Spread: 9° CBCP 12,500	Test # H211207				Test # H21208					Test # H21208				
<b>PH 45MRC16/IRC/SP8</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>
	6'	171	1	1	6'	79	1.5	1.5	3.5	2'	159	1.3	0.8	3.5
	8'	96	1.4	1.4	8'	45	2.1	2	4.6	3'	70	2	1.2	5.2
	10'	62	1.7	1.7	10'	29	2.6	2.5	5.8	4'	40	2.6	1.6	6.9
	12'6"	39	2.2	2.2	12'6"	18	3.2	3.1	7.2	5'	25	3.3	2	8.7
Beam Spread: 8° CBCP 16,000	Test # H211224				Test # H21225					Test # H21225				
<b>GE Q50MR16C/NSP15</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>
	6'	154	1.3	1.3	6'	82	1.7	1.7	3.5	2'	171	1.4	0.9	3.5
	8'	87	1.8	1.8	8'	46	2.3	2.3	4.6	3'	76	2.1	1.4	5.2
	10'	56	2.2	2.2	10'	30	2.8	2.8	5.8	4'	43	2.8	1.8	6.9
	12'6"	36	2.8	2.8	12'6"	19	3.5	3.5	7.2	5'	27	3.5	2.3	8.7
Beam Spread: 15° CBCP 9,500	Test # H211242				Test # H21247					Test # H21247				
<b>GE Q50MR16C/FL40</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>	<b>D</b>	<b>FC</b>	<b>L</b>	<b>W</b>	<b>CB</b>
	6'	38	3.2	2.5	6'	22	3.1	3	3.5	2'	75	2	1.4	3.5
	8'	21	4.2	3.4	8'	13	4.1	4	4.6	3'	33	3	2.1	5.2
	10'	14	5.3	4.2	10'	8	5.2	5.1	5.8	4'	19	4.1	2.8	6.9
	12'6"	9	6.6	5.3	12'6"	5	6.5	6.3	7.2	5'	12	5.1	3.5	8.7
Beam Spread: 40° CBCP 1,700	Test # H21206				Test # H21205					Test # H21205				

## Notes and Definitions:

**Luminance:** To convert  $\text{cd/m}^2$  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.

