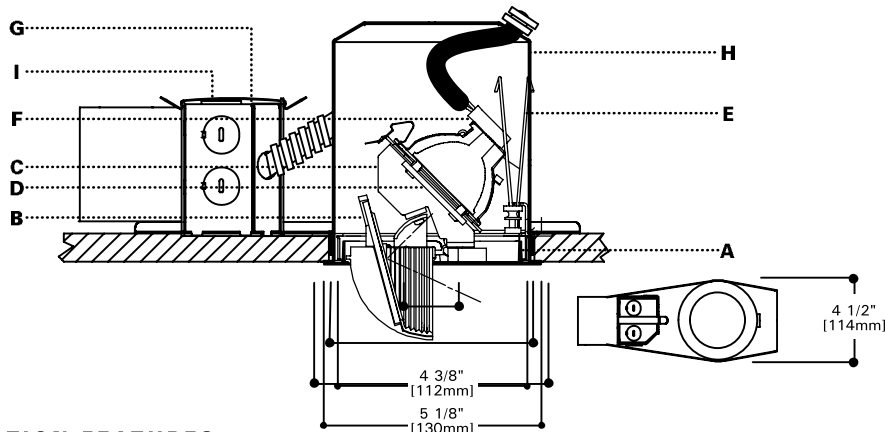


DESCRIPTION

A specification grade 50 Watt MR16 Super 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. Adjustment mechanism features 15° to 75° hot

aiming capabilities, and locking from below ceiling. A complete installation requires two components; the RPN-3MRSA remodel platform and the E3SA element. Insulation must be kept 3" away from sides and top of fixture.



SPECIFICATION FEATURES

A...Finish

Die-cast body and flange with matte white finish. Also available in flat black or raw finish. For all finishes, black baffles with regressed edge produces dark aperture.

B...Optics

Wide aperture maximizes beam spread of lamp. 94% specular clear glass mirror allows true color, and maximizes reflection of lamp for greatest possible light impact. Optics reduce stray light and hot spots on ceiling plane.

C...Adjustability

Lamp locks in 361° rotation, 15° to 75° tilt. Unit is relamped without unlocking adjustments.

D...Lens

Soft focus lens standard for smooth beam patterns. Up to two filter media can be used which are retained during relamping. Hex cell louver provided for use with extreme aiming angles on 12/12 pitch ceilings for optimal brightness control.

E...Attachment

Positive torsion springs pull flange tight to ceiling. Mechanical light trap eliminates spill light at edge of flange. Elements are keyed for proper relamping

F...Socket

GX5.3 base for Bi-pin MR16 lamps.

G...Transformer

Truvolt toroidal transformer with dual-input taps for proper 120V 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.

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

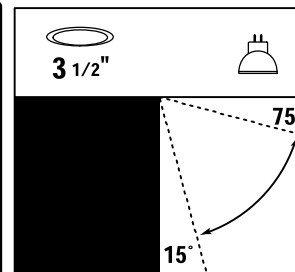
Listed for 6#14 AWG 90° C conductors, has six 1/2" pryouts.

J...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.

K...Labels

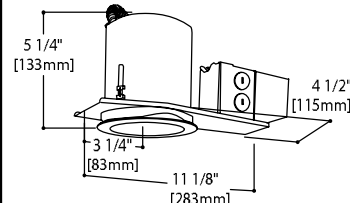
U.L. and c.U.L.-listed, standard damp label, IBEW union made.



RPN3MRSA E3SA

50 W MR16

3" REMODEL SUPER
ADJUSTABLE



ORDERING INFORMATION

Complete unit consists of a platform and element

Platform	Optical Element	Finish	Accessories
RPN3MRSA	E3SA		
RPN3MRSA = 3" Super Adjustable Remodel Non-IC Platform	E3SA = MR16 Super Adjustable 15° - 75°	Blank = White Die-Cast B = Black Die-Cast	<p>MBCLP = 40 Push On T Bar Clips (for 10 Units)</p> <p>PLE3 = Plaster Lip Extension for Max 2" Thick Ceiling</p> <p>FMC3 = Flush Mount Collar</p> <p>LSPD = Spread Lens</p> <p>LLNR = Linear Spread Lens</p> <p>LUV = UV Reduction</p> <p>Lens</p> <p>LLPINK = Light Pink</p> <p>LLSTRAW = Light Straw</p> <p>L27K = 2700K dichroic filter</p> <p>LDAY = Daylight</p> <p>LSPINK = Surprise Pink</p> <p>LPLAV = Pale Lavender</p> <p>LHEX = Hex Cell Louver</p>

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	

Pitch:	12/12	12/12	12/12
Fixture:	RPN3MRSA-E3SA	RPN3MRSA-E3SA	RPN3MRSA-E3SA
Tilt of Element:	75°	75°	75°
Lamp:	OS 37MR16/IR/SP10	GE Q42MR16/VNSP	OS 50MR16/IR/SP/10
Beam Spread:	10° x 10°	9° x 9°	10° x 10°
Published CBCP:	13,100	12,500	15,700

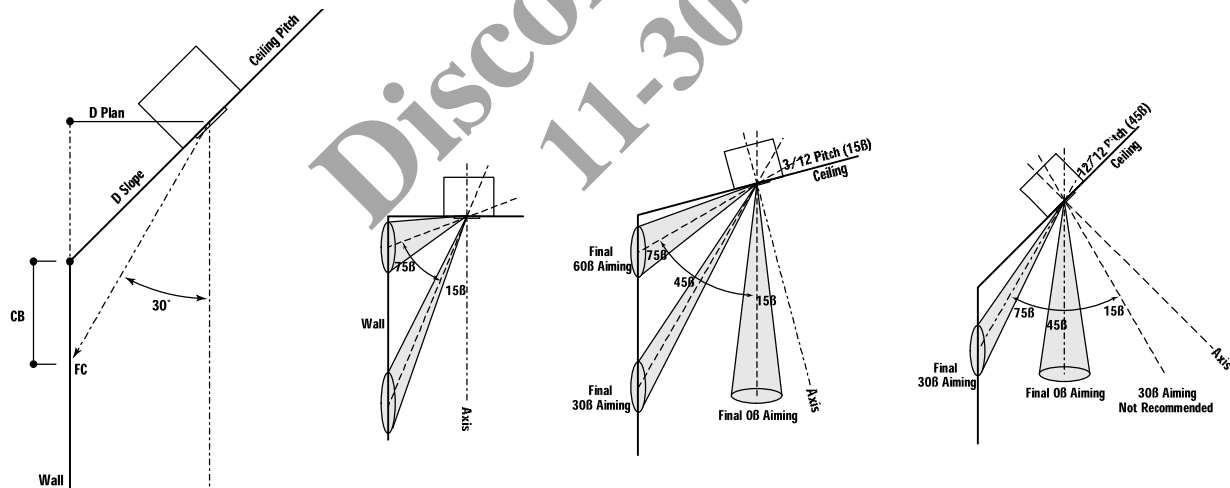
D Plan	D Slope	FC	L	W	CB	FC	L	W	CB	FC	L	W	CB
2'0"	2'9"	179	1'9"	1'0"	1'6"	129	1'3"	0'9"	1'6"	199	1'6"	9"	1'6"
2'6"	3'6"	114	2'0"	1'3"	2'0"	83	1'6"	1'0"	2'0"	127	2'0"	1'3"	2'0"
3'0"	4'3"	79	2'6"	1'6"	2'3"	57	1'9"	1'3"	2'3"	86	2'3"	1'6"	2'3"
4'0"	5'6"	45	3'3"	1'9"	3'0"	32	2'6"	1'6"	3'0"	50	3'0"	1'9"	3'0"

Pitch:	9/12	9/12	9/12
Fixture:	RPN3MRSA-E3SA	RPN3MRSA-E3SA	RPN3MRSA-E3SA
Tilt of Element:	37°	37°	37°
Lamp:	OS 37MR16/IR/SP10	GE Q42MR16/VNSP	OS 50MR16/IR/SP/10
Beam Spread:	10° x 10°	9° x 9°	10° x 10°
Published CBCP:	13,100	12,500	15,700

D Plan	D Slope	FC	L	W	CB	FC	L	W	CB	FC	L	W	CB
2'0"	2'6"	193	1'9"	1'0"	2'	152	1'3"	9"	2'	240	1'6"	1'0"	2'
2'6"	3'0"	123	2'0"	1'3"	2'6"	97	1'6"	1'0"	2'6"	154	2'0"	1'3"	2'6"
3'0"	3'9"	86	2'6"	1'6"	3'0"	68	2'0"	1'3"	3'0"	107	2'3"	1'6"	3'0"
4'0"	5'0"	48	3'3"	1'9"	4'0"	38	2'6"	1'6"	4'0"	60	3'0"	2'0"	4'0"

Pitch:	6/12	6/12	6/12
Fixture:	RPN3MRSA-E3SA	RPN3MRSA-E3SA	RPN3MRSA-E3SA
Tilt of Element:	27°	27°	27°
Lamp:	OS 37MR16/IR/SP10	GE Q42MR16/VNSP	OS 50MR16/IR/SP/10
Beam Spread:	10° x 10°	9° x 9°	10° x 10°
Published CBCP:	13,100	12,500	15,700

D Plan	D Slope	FC	L	W	CB	FC	L	W	CB	FC	L	W	CB
2'0"	2'3"	227	1'6"	9"	2'6"	147	1'3"	9"	2'6"	284	1'5"	1'0"	2'6"
2'6"	2'9"	145	2'0"	1'0"	3'0"	94	1'6"	1'0"	3'0"	182	2'0"	1'3"	3'0"
3'0"	3'4"	101	2'3"	1'3"	3'9"	66	2'0"	1'3"	3'9"	126	2'3"	1'6"	3'9"
4'0"	4'5"	57	3'0"	1'9"	5'0"	37	2'6"	1'6"	5'0"	71	3'0"	2'0"	5'0"

**Notes & Definitions:**

The following diagrams represent the aiming of the unit for an effective 30° tilt angle from nadir in ceilings of different pitches; e.g. 75° - 12/12 pitch (or 45°) = 30°.

For optimal performance, it is recommended that fixture be used for illuminating vertical surfaces.

The E3SA "Super Adjustable" element is capable of tilting the lamp's center beam from 15° to 75°; 361° in rotation. The spread of the lamp's beam will fill higher than 75° at maximum tilt.

The E3SA includes an LHEX louver for maximum control of glare if used where mirror is in view.

D Plan = Distance in plan view from wall.

D Slope = Distance as actually measured along slope of ceiling from corner.

FC = Maximum footcandles on wall within effective visual beam. (EVB = 50% of max. FC)

L = Length of effective visual beam

W = Width of effective visual beam

CB = Distance down wall from corner to center of 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 for a further discussion and

appropriate correction multipliers.

Note: Specifications and Dimensions subject to change without notice.

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