



**PRODUCT DESCRIPTION**

Recessed adjustable MR16 luminaire with 1 3/4" square regressed pin-hole featuring stippled uniformity lens on the aperture. Fixture utilizes precision geared hot-aiming and has 50° visual cutoff to lamp and lamp image. Sealed Air-Loc housing eliminates leak-paths to ensure maximum energy savings and controls plenum sound transmission. Low profile non-IC housing is ideal for space restricted plenum applications and is for use in non-insulated areas, or where insulation is spaced at least 3" from housing.

**PRODUCT SPECIFICATIONS**

**Reflector** .040" aluminum angle-cut reflector in black Alzak finish shields housing interior.

**Trims Style** Die cast Self Flanged and Flush Mount trims utilize precision wound double torsion springs for tight, secure fit to ceiling  
 • Flush mount trim creates a truly trimless aperture • For flush mount installations in drywall ceilings use the FMASQ4 flush mount adapter  
 • For flush mount installations in wood, stone, or tile ceilings the FMASQ4-SC\*\*\* must be used (specify ceiling thickness and adapter finish).

**Lens** Lampholder accommodates up to three (3) 2" captive accessory lenses • Supplied with stippled uniformity lens.

**Socket** Ceramic bi-pin socket with double blade nickel alloy contacts  
 • Quick disconnect for simplified maintenance.

**Lamp** One 75W MR16 lamp.

**Adjustability** Acu-Aim™ precision geared hot-aiming achieves 370° rotation, 45° tilt • Optimized center lamp beam optics translates lamp forward as it is aimed off nadir, insuring maximum light and low brightness • Black aiming mechanism with shield prevents visibility into fixture and preserves dark aperture • Shield hinges out of way to facilitate maintenance.

**Transformer** 120V High efficiency (>90%) dual tap magnetic, toroidal transformer has a boost tap to compensate for dimmer losses, improving color temperature and lumen output • Potted to eliminate noise and vibration • High efficiency (>94%), high power factor electronic transformer also available.

**Dimming** May be dimmed using dimmers specifically designed for low voltage magnetic or electronic transformers; consult factory or dimmer manufacturer for additional information.

**Codes/Labels** UL and cUL listed for through branch wiring, wet locations • Meets energy code Air Leakage requirements per ASTM E283 • Product thermally protected against improper use of lamps  
 • Union made.

**Patented (US Patent 8,038,113) Pro-VI™ Bar Hanger System**

With locking set screws, permits quick placement of housing within 24" O.C. joists or suspended ceilings • Robust bar eliminates flexing regardless of fixture position • Integral T-bar notch with locking tabs secures housing to suspended ceiling grid • Captive bugle-headed ring shank nail for quick one-step installation • Bar Hanger foot aligns to bottom of construction joist and breaks away for use in suspended ceilings.

**Junction Box** Rated for 8 No. 12 AWG 90° C through branch circuit conductors and includes (5) 1/2", (1) 3/4", and (4) Non-metallic sheathed cable knock-outs • Push-In electrical connectors for field connections.

**Housing/Mounting Frame** Black steel plaster frame and housing painted for visually dark interior • V-Notch in plaster frame aids fixture alignment during installation • Patent Pending Tru-Line™ Adjustment Mechanism featuring +/- 1/2" translation and +/- 45° aperture rotation aids fixture alignment after installation, prior to drywall.

**Ceiling Thickness** 1/2" – 7/8" ceiling standard • For thicker ceilings, order CTA4SQ-125 (7/8"-1 1/4"), CTA4SQ-163 (1 1/4"-1 5/8") or CTA4SQ-200 (1 5/8" – 2") • CTA4SQ not required for wood, stone, or tile flush mount applications.

**RECESSED ADJUSTABLE**  
**1-3/4" LENSED REGRESSED**  
**PINHOLE APERTURE**

Non-IC Rated, 75W MR16

 **TC43SQ, 4301SQ TRIM**

Project: \_\_\_\_\_

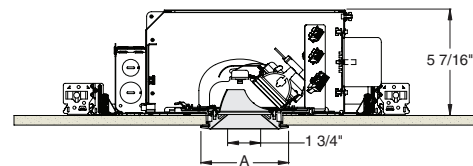
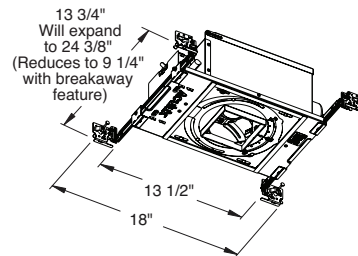
Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_



**DIMENSIONS**



4 1/8" CEILING CUTOUT  
 (REFER TO INSTRUCTION SHEET FOR  
 FLUSH MOUNT CEILING CUTOUT)

	A
Self Flanged	4 1/2"
Flush Mount	3 5/8"

# RECESSED ADJUSTABLE

## 1-3/4" LENSED REGRESSED PINHOLE APERTURE

Non-IC Rated, 75W MR16

### TC43SQ, 4301SQ TRIM

#### Ordering Information

Housing, trim and accessories each ordered separately

Example: **TC43SQ-E1**

Housing	Transformer	Options
TC43SQ	Blank E1 120V Magnetic 120V Electronic	CP Chicago Plenum

Example: **4301SQ-WH**

Trim/Description
 

Self Flanged	Flush Mount <sup>1</sup>	Description
<b>4301SQ-WH</b>	<b>4301SQ-WH-FM</b>	White Trim
<b>4301SQ-BL</b>	<b>4301SQ-BL-FM</b>	Black Trim

<sup>1</sup>Flush Mount trims must be used with Flush Mount Adapter, ordered separately.  
Product specifications subject to change without notice.

#### Flush Mount Adapters

FMASQ4	Description
<b>FMASQ4-SC100-WH</b>	Wood, Stone, Tile, 1/2"-1" Thick Ceiling, Adapter, White
<b>FMASQ4-SC100-BL</b>	Wood, Stone, Tile, 1/2"-1" Thick Ceiling, Adapter, Black
<b>FMASQ4-SC138-WH</b>	Wood, Stone, Tile, 1"-1 3/8" Thick Ceiling, Adapter, White
<b>FMASQ4-SC138-BL</b>	Wood, Stone, Tile, 1"-1 3/8" Thick Ceiling, Adapter, Black
<b>FMASQ4-SC175-WH</b>	Wood, Stone, Tile, 1 3/8"-1 3/4" Thick Ceiling, Adapter, White
<b>FMASQ4-SC175-BL</b>	Wood, Stone, Tile, 1 3/8"-1 3/4" Thick Ceiling, Adapter, Black

#### Optical Accessories

Cat. #	Description	Cat. #	Description
<b>T741</b>	Med. Pink Color Filter	<b>T7405</b>	Yellow Dichroic Lens
<b>T742</b>	Warm Red Color Filter	<b>T7406</b>	Magenta Dichroic Lens
<b>T743</b>	Daylight Blue Color Filter	<b>T7411</b>	Blue Green Dichroic Lens
<b>T744</b>	Med. Blue Color Filter	<b>T7416</b>	Daylight Blue Correction Lens
<b>T745</b>	Med. Amber Color Filter	<b>T7420</b>	Diffuse Spread Lens
<b>T746</b>	Med. Green Color Filter	<b>T7422</b>	UV Filter Lens
<b>T7401</b>	Red Dichroic Lens	<b>T7477</b>	Prismatic Lens
<b>T7403</b>	Med. Green Dichroic Lens	<b>T7478</b>	Linear Spread Lens
<b>T7404</b>	Med. Blue Dichroic Lens	<b>T7459BL</b>	Hexcell Louver

#### Misc. Accessories

<b>CTA45Q-125</b>	1 1/4" Thick Ceiling Adapter
<b>CTA45Q-163</b>	1 5/8" Thick Ceiling Adapter
<b>CTA45Q-200</b>	2" Thick Ceiling Adapter

To order, specify catalog number.



# RECESSED ADJUSTABLE

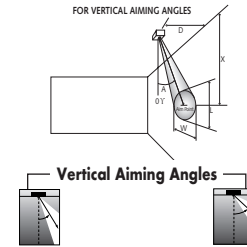
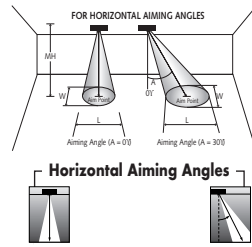
## 1-3/4" LENSED REGRESSED PINHOLE APERTURE

Non-IC Rated, 75W MR16

### TC43SQ, 4301SQ TRIM

**CBCP** • Centerbeam candlepower  
**FC** • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



Lamp	Beam Type	Beam Spread°	Rated Life	CBCP	0°				30°				30°				45°			
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
37W MR16 Halogen IR	NSP	10°	5000	12500	6	347	1.0	1.0	226	1.4	1.2	3	174	5.2	2.1	1.0	491	3.0	1.1	0.7
					8	195	1.4	1.4	127	1.9	1.6	4	98	6.9	2.9	1.4	276	4.0	1.4	1.0
					10	125	1.7	1.7	81	2.3	2.0	5	63	8.7	3.6	1.7	177	5.0	1.8	1.2
	NFL	25°	5000	4400	4	275	1.8	1.8	179	2.4	2.0	2	138	3.5	4.2	1.8	389	2.0	1.9	1.3
					6	122	2.7	2.7	79	3.6	3.1	3	61	5.2	6.2	2.7	173	3.0	2.8	1.9
					8	69	3.5	3.5	45	4.8	4.1	4	34	6.9	8.3	3.5	97	4.0	3.7	2.5
FL	35°	5000	2200	10	44	4.4	4.4	29	6.0	5.1	5	22	8.7	10.4	4.4	62	5.0	4.7	3.1	
				3	244	1.9	1.9	159	2.6	2.2	2	69	3.5	7.2	2.5	194	2.0	2.8	1.8	
				4	138	2.5	2.5	89	3.5	2.9	3	31	5.2	10.8	3.8	86	3.0	4.2	2.7	
42W MR16 Halogen	VNSP	9°	3500	12300	8	192	1.3	1.3	125	1.7	1.5	4	96	6.9	2.6	1.3	272	4.0	1.3	0.9
					10	123	1.6	1.6	80	2.1	1.8	5	62	8.7	3.2	1.6	174	5.0	1.6	1.1
					12	85	1.9	1.9	55	2.5	2.2	6	43	10.4	3.8	1.9	121	6.0	1.9	1.3
	NFL	15°	6000	9100	14	63	2.2	2.2	41	2.9	2.5	7	31	12.1	4.5	2.2	89	7.0	2.2	1.6
					6	253	1.6	1.6	164	2.1	1.8	3	126	5.2	3.3	1.6	357	3.0	1.6	1.1
					8	142	2.1	2.1	92	2.8	2.4	4	71	6.9	4.4	2.1	201	4.0	2.1	1.5
NFL	25°	6000	3200	10	91	2.6	2.6	59	3.5	3.0	5	46	8.7	5.6	2.6	129	5.0	2.7	1.9	
				8	50	3.5	3.5	32	4.8	4.1	4	25	6.9	8.3	3.5	71	4.0	3.7	2.5	
				10	32	4.4	4.4	21	6.0	5.1	5	16	8.7	10.4	4.4	45	5.0	4.7	3.1	
FL	40°	6000	1700	3	189	2.2	2.2	123	3.0	2.5	2	53	3.5	9.7	2.9	150	2.0	3.4	2.1	
				4	106	2.9	2.9	69	4.1	3.4	3	24	5.2	14.5	4.4	67	3.0	5.0	3.1	
				6	47	4.4	4.4	31	6.1	5.0	4	13	6.9	19.3	5.8	38	4.0	6.7	4.1	
50W MR16 Halogen Lensed	SP	10°	5000	15000	8	417	1.0	1.0	217	1.4	1.2	3	208	5.2	2.1	1.0	589	3.0	1.1	0.7
					8	234	1.4	1.4	152	1.9	1.6	4	117	6.9	2.9	1.4	331	4.0	1.4	1.0
					10	150	1.7	1.7	97	2.3	2.0	5	75	8.7	3.6	1.7	212	5.0	1.8	1.2
	NFL	25°	5000	5700	12	104	2.1	2.1	68	2.8	2.4	6	52	10.4	4.3	2.1	147	6.0	2.1	1.5
					4	356	1.8	1.8	231	2.1	2.0	2	178	3.5	4.2	1.8	504	2.0	1.9	1.3
					6	158	2.7	2.7	103	3.6	3.1	3	79	5.2	6.2	2.7	224	3.0	2.8	1.9
NFL	35°	5000	2850	8	89	3.5	3.5	58	4.8	4.1	4	45	6.9	8.3	3.5	126	4.0	3.7	2.5	
				10	57	4.4	4.4	37	6.0	5.1	5	29	8.7	10.4	4.4	81	5.0	4.7	3.1	
				3	317	1.9	1.9	206	2.6	2.2	2	89	3.5	7.2	2.5	252	2.0	2.8	1.8	
FL	40°	5000	2850	4	178	2.5	2.5	116	3.5	2.9	3	40	5.2	10.8	3.8	112	3.0	4.2	2.7	
				6	79	3.8	3.8	51	5.2	4.4	4	22	6.9	14.4	5.0	63	4.0	5.6	3.6	
				8	45	5.0	5.0	29	7.0	5.8	5	14	8.7	18.0	6.3	40	5.0	7.0	4.5	
71W MR16 Halogen	SP	15°	4000	11500	6	319	1.6	1.6	207	2.1	1.8	3	160	5.2	3.3	1.6	452	3.0	1.6	1.1
					8	180	2.1	2.1	117	2.8	2.4	4	90	6.9	4.4	2.1	254	4.0	2.1	1.5
					10	115	2.6	2.6	75	3.5	3.0	5	58	8.7	5.6	2.6	163	5.0	2.7	1.9
	NFL	25°	4000	5500	12	80	3.2	3.2	52	4.2	3.6	6	40	10.4	6.7	3.2	113	6.0	3.2	2.2
					4	344	1.8	1.8	223	2.4	2.0	2	172	3.5	4.2	1.8	486	2.0	1.9	1.3
					6	153	2.7	2.7	99	3.6	3.1	3	76	5.2	6.2	2.7	216	3.0	2.8	1.9
NFL	40°	4000	2200	8	86	3.5	3.5	56	4.8	4.1	4	43	6.9	8.3	3.5	122	4.0	3.7	2.5	
				10	55	4.4	4.4	36	6.0	5.1	5	28	8.7	10.4	4.4	78	5.0	4.7	3.1	
				3	244	2.2	2.2	159	3.0	2.5	2	69	3.5	9.7	2.9	194	2.0	3.4	2.1	
FL	40°	4000	2200	4	138	2.9	2.9	89	4.1	3.4	3	31	5.2	14.5	4.4	86	3.0	5.0	3.1	
				6	61	4.4	4.4	40	6.1	5.0	4	17	6.9	19.3	5.8	49	4.0	6.7	4.1	
				8	34	5.8	5.8	22	8.1	6.7	5	11	8.7	24.2	7.3	31	5.0	8.4	5.1	

The beam spread in degrees and the beam "L" and "W" in the following tables are computed at 50% of centerbeam candlepower and represent areas of "effective illumination."

