



**PRODUCT DESCRIPTION**

Recessed adjustable PAR20/PAR16 luminaire with 3/4" angle-cut grooved baffle aperture and precision geared hot-aiming. Fixture has 50° visual cutoff to lamp and lamp image. Sealed Air-Loc housing ensures maximum energy savings and controls plenum sound transmission. Low profile non-IC housing is for use in non-insulated areas, or where insulation is spaced at least 3" from housing.

**PRODUCT SPECIFICATIONS**

**Baffle** Angle-cut grooved baffle available in white or black  
 • Provides 50° lamp and lamp image cut-off.

**Trims Style** Utilizes torsion spring retention for tight, secure fit to ceiling  
 • Trim ring features beveled knife edge for clean ceiling interface.

**Socket** Medium base porcelain socket with nickel plated copper screw shell.

**Lamp** One 50W PAR20 or 75W PAR16 lamp.

**Adjustability** Acu-Aim™ precision geared hot-aiming achieves 370° rotation, 40° 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.

**Codes/Labels** UL and cUL listed for through branch wiring, damp locations  
 • Meets energy code Air Leakage requirements per ASTM E283  
 • Product thermally protected  
 • 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 aids fixture alignment after installation, prior to drywall.

**Ceiling Thickness** 1/2" – 7/8" ceiling standard  
 • For thicker ceilings, order CTA4N-125 (7/8"-1 1/4"), CTA4N-163 (1 1/4"-1 5/8") or CTA4N-200 (1 5/8" – 2").

**RECESSED ADJUSTABLE**  
**3-1/4" BAFFLED APERTURE**  
 Non-IC Rated, 50W PAR20 or  
 75W PAR16  
**TC13N, 435N TRIM**

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

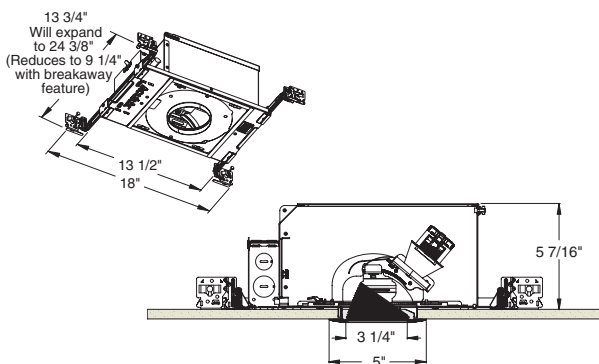
Fixture Type: \_\_\_\_\_

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

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



**DIMENSIONS**



4 1/4" CEILING CUTOUT

**Ordering Information** Housing, trim and accessories each ordered separately

Example: **TC13N**

Housing	Options
TC13N	CP Chicago Plenum

**Accessories**

Cat. #	Description
CTA4N-125	1 1/4" Thick Ceiling Adapter
CTA4N-163	1 5/8" Thick Ceiling Adapter
CTA4N-200	2" Thick Ceiling Adapter

To order, specify catalog number.

Example: **435NB-WH**

Trim/Description



Trim Ring	Description
435NB-WH	Black Baffle
435NB-ABZ	Black Baffle
435NB-SC	Black Baffle
435NW-WH	White Baffle, White Ring

Trim Ring Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White.

Product specifications subject to change without notice.



# RECESSED ADJUSTABLE

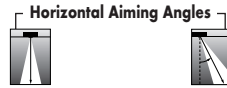
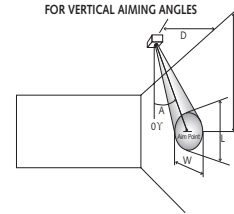
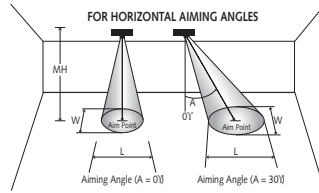
3-1/4" BAFFLED APERTURE

Non-IC Rated, 50W PAR20 or 75W PAR16

## TC13N, 435N 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°			40°					
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
50W PAR20 Halogen	SP	10°	2500	4600	6	128	1.0	1.0	83	1.4	1.2	2	144	3.5	5.5	2.1	305	2.4	0.9	0.5
					8	72	1.4	1.4	47	1.9	1.6	3	64	5.0	2.1	1.0	136	3.6	1.3	0.8
					10	46	1.7	1.7	30	2.3	2.0	4	36	6.9	2.9	1.4	76	4.8	1.7	1.1
					12	32	2.1	2.1	21	2.8	2.4	5	23	8.7	3.6	1.7	49	6.0	2.1	1.4
	FL	30°	2500	1200	4	75	2.1	2.1	49	2.9	2.5	2	38	3.5	5.5	2.1	80	2.4	2.9	1.7
					5	48	2.7	2.7	31	3.7	3.1	3	17	5.2	8.2	3.2	35	3.6	4.3	2.5
					6	33	3.2	3.2	22	4.4	3.7	4	9	6.9	10.9	4.3	20	4.8	5.8	3.3
					7	25	3.8	3.8	16	5.1	4.3	5	6	8.7	13.7	5.4	13	6.0	7.2	4.2
45W PAR16 Halogen	NSP	10°	2000	5000	6	139	1.0	1.0	90	1.4	1.2	2	156	3.5	1.4	0.7	332	2.4	0.9	0.5
					8	78	1.4	1.4	51	1.9	1.6	3	69	5.2	2.1	1.0	148	3.6	1.3	0.8
					10	50	1.7	1.7	32	2.3	2.0	4	39	6.9	2.9	1.4	83	4.8	1.7	1.1
					12	35	2.1	2.1	23	2.8	2.4	5	25	8.7	3.6	1.7	53	6.0	2.1	1.4
	NFL	27°	2000	1400	3	156	1.4	1.4	101	2.0	1.7	1	175	1.7	2.3	1.0	372	1.2	1.4	0.8
					5	56	2.4	2.4	36	3.3	2.8	2	44	3.5	4.6	1.9	93	2.4	2.9	1.7
					7	29	3.4	3.4	19	4.6	3.9	3	19	5.2	7.0	2.9	41	3.6	4.3	2.5
					9	17	4.3	4.3	11	5.9	5.0	4	11	6.9	9.3	3.8	23	4.8	5.8	3.3
60W PAR16 Halogen	NSP	10°	2000	5400	6	150	1.0	1.0	97	1.4	1.2	2	169	3.5	1.4	0.7	359	2.4	0.9	0.5
					8	84	1.4	1.4	55	1.9	1.6	3	75	5.2	2.1	1.0	159	3.6	1.3	0.8
					10	54	1.7	1.7	35	2.3	2.0	4	42	6.9	2.9	1.4	90	4.8	1.7	1.1
					12	38	2.1	2.1	24	2.8	2.4	5	27	8.7	3.6	1.7	57	6.0	2.1	1.4
	NFL	30°	2000	1550	4	97	2.1	2.1	63	2.9	2.5	2	48	3.5	5.5	2.1	103	2.4	2.9	1.7
					6	43	3.2	3.2	28	4.4	3.7	3	22	5.2	8.2	3.2	46	3.6	4.3	2.5
					8	24	4.3	4.3	16	5.9	5.0	4	12	6.9	10.9	4.3	26	4.8	5.8	3.3
					10	16	5.4	5.4	10	7.3	6.2	5	8	8.7	13.7	5.4	16	6.0	7.2	4.2
75W PAR16 Halogen	NSP	10°	2000	7500	6	208	1.0	1.0	135	1.4	1.2	2	234	3.5	1.4	0.7	498	2.4	0.9	0.5
					8	117	1.4	1.4	76	1.9	1.6	3	104	5.2	2.1	1.0	221	3.6	1.3	0.8
					10	75	1.7	1.7	49	2.3	2.0	4	59	6.9	2.9	1.4	124	4.8	1.7	1.1
					12	52	2.1	2.1	34	2.8	2.4	5	38	8.7	3.6	1.7	80	6.0	2.1	1.4
	NFL	30°	2000	1900	4	119	2.1	2.1	77	2.9	2.5	2	59	3.5	5.5	2.1	126	2.4	2.9	1.7
					6	53	3.2	3.2	34	4.4	3.7	3	26	5.2	8.2	3.2	56	3.6	4.3	2.5
					8	30	4.3	4.3	19	5.9	5.0	4	15	6.9	10.9	4.3	32	4.8	5.8	3.3
					10	19	5.4	5.4	12	7.3	6.2	5	10	8.7	13.7	5.4	20	6.0	7.2	4.2
12	13	6.4	6.4	9	8.8	7.4	6	7	10.4	16.4	6.4	14	7.2	8.7	5.0					

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."

