

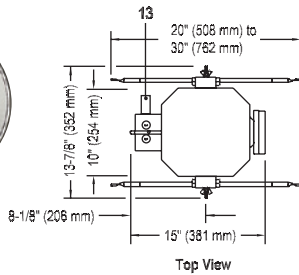
Calculite® HID Adjustable Accent **C4T4A-MHT4RNF**

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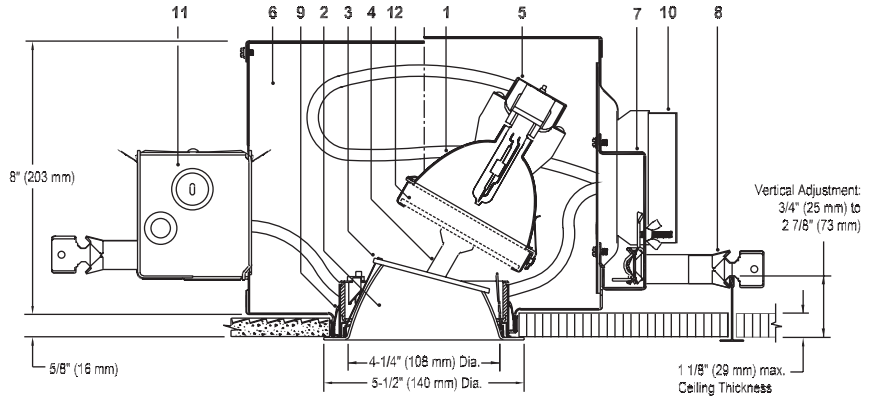
4 1/2" Aperture, T4, Ceramic Metal Halide, 25° Narrow Flood



Narrow Flood Upper Reflector



Top View



Ceiling Cutout: 5 1/8" (130mm) Dia.

For Complete Fixture Order: Trim Kit + Narrow Flood Upper Reflector (MHT4RNF) + Frame-In Kit. Each Sold Separately.

Trim Kit + Narrow Flood Upper Reflector		Frame-In Kit	Lamping (Ceramic Metal Halide)
CLW	Specular Clear, White Painted Flange	C4A20BT5PGJ5E1	Electronic 120V
CLP	Specular Clear, Matching Flange	C4A20T4GU65EU	Electronic 120V/277V
CCDW	Comfort Clear Diffuse, White Painted Flange	C4A20T4EU	Electronic 120V/277V
CCDP	Comfort Clear Diffuse, Matching Flange	C4A39T4GU65EU	Electronic 120V/277V
CCZW	Champagne Bronze, White Painted Flange	C4A39T4E1	Electronic 120V
CCZP	Champagne Bronze, Matching Flange	C4A39T4E2	Electronic 277V
		C4A70T4E1	Electronic 120V
		C4A70T4E2	Electronic 277V
			22W Philips MiniMasterColor
			20W GE ConstantColor
			20W T4.5
			39W Philips MiniMasterColor
			39W T4.5
			39W T4.5
			70W T4.5
			70W T4.5

Features

- Narrow Flood Upper Reflector:** Specular split faceted aluminum; provides 25° beam. Interchangeable with 12° Spot (MHT4RS) and 40° Flood (MHT4RF); see spec sheets C4T4A-MHT4RS and C4T4A-MHT4RF.
- Trim Kit:** Low brightness aperture cone; anodized aluminum, self-flanged in painted white or aperture-matching polished flange. Consult factory for other finishes.
- Lamp Shield:** High-temperature glass as required by code; captive during re-lamping.
- Trim Kit Adjustment Mechanism:** Provides 35° vertical tilt, 360° horizontal rotation; lockable. EZ-Aim Helical Drive System provides fast and accurate hot aiming with Philips screwdriver.
- Socket Housing:** Galvanized steel, pre-wired with G8.5 pulse rated socket. Snaps onto yoke for secure attachment without tools; unitized construction assures proper alignment of lamp to optics for consistent optical performance.
- Frame Housing:** Steel, 0.029" (22-Ga.), matte black finish. Removable cover for top re-lamping.
- Frame Vertical Adjustment Mechanism:** Accommodates mounting to virtually any ceiling system using pre-installed mounting bars, or 1/2" EMT tubing (by others). Single locking feature secures all adjustments. Alignment holes and markings allow fixture to be pre-set prior to installation. Final adjustment can be made from below from inside fixture.
- Mounting Bars:** Galvanized steel, 0.048" (18-ga.), pre-installed telescoping bars extend to 30" long and lock securely into position. Built-in locking tabs provide positive attachment to common T-bar systems. Self-centering feature simplifies installation in 24" O.C. grid systems. Attaches to steel or wood joists without accessories.
- Retention Springs:** Rust resistant springs secure trim for quick, tool-less installation.
- Ballast / Cover Assembly:** Accessible from below and removable without tools for inspection and ballast replacement.
- Junction Box:** 0.059" (16-ga.) galvanized steel. UL listed for 8 No. 12 AWG, 90° C through branch circuit conductors. Allows inspection from below.

Features (continued)

- Optional Accessory Holder:** Sold separately catalog # CAH4; die-formed steel, matte black finish, slide-in installation. Accepts up to two 3 3/4" dia. media.
- Thermal Protector:** (Not Shown) Meets NEC and UL requirements. Do not install insulation above nor within 3" (76mm) of any part of the luminaire.

Electrical

Electronic Ballast: 120 or 277V, 50/60 Hz., enclosed, high power factor, T.H.D. <15%, thermally and transient protected, RMI/RFI complies with FCC Part 18 non-consumer limits, shut-down circuit at end of lamp life, sound rating "A", -5° F minimum starting temperature, Type 1 Outdoor rating.

Ballast	ANSI Code	Voltage	Max. Amps	Input Watts
20W MH	M156	120/277	0.21/0.10	23
39W MH	M130	120/277	0.39/0.17	44
70W MH	M139	120/277	0.67/0.29	78

Options and Accessories

Chicago Plenum: Consult Factory

Labels

UL (Suitable for Damp Locations), CSA, I.B.E.W.

Job Information

Type:

Job Name:

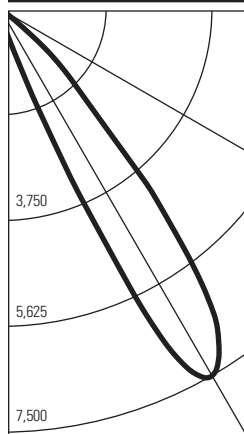
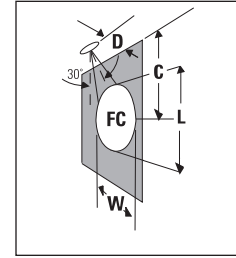
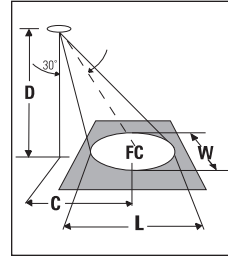
Cat. No.:

Lamp(s):

Notes:

Calculite® HID Adjustable Accent **C4T4A-MHT4RNF**

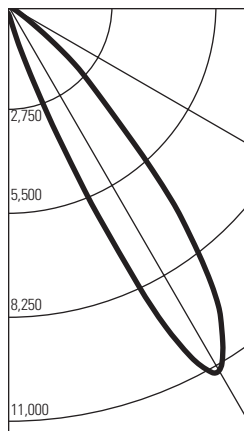
(FC) is initial footcandles at center of beam.
 Beam length (L) and beam width (W) are to where the candlepower is reduced to 50% of the center beam candlepower. (C) is the distance to the center of the beam.



ANGLE	WALL	AIMED 30° TOWARD WALL
0	121	
5	145	T4 20W G.E. METAL HALIDE LAMP
10	214	LUMEN RATING = 1700 LMS.
15	431	
20	1461	CBCP= 7,505 cd
25	5466	BEAM ANGLE = 18°
30	7505	AROMAT 20W ELECTRONIC BALLAST
35	6601	DATE: OCT 31, 2003
40	3969	CERTIFIED TEST REPORT NO. 2352FR
45	1807	COMPUTED BY LSI PROGRAM
50	691	**TEST-LITE**
55	99	
60	18	
65	3	
70	0	
75	0	
80	0	
85	0	
90	0	

Candlepower Distribution 20W T4.5– Narrow Flood Reflector

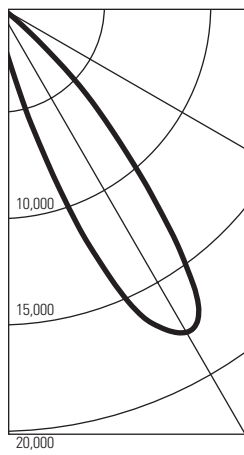
30° Aiming Angle Horizontal Surface					30° Aiming Angle Vertical Surface				
D	C	FC	L	W	D	C	FC	L	W
6	3.5'	135	2.6'	2.2'	2	3.5'	235	2.7'	1.3'
8	4.6'	76	3.4'	2.9'	3	5.2'	104	4.1'	1.9'
10	5.8'	49	4.3'	3.7'	4	6.9'	59	5.5'	2.5'
12	6.9'	34	5.1'	4.4'	6	10.4'	26	8.2'	3.8'
15	8.7'	22	6.4'	5.5'	8	13.9'	15	11.0'	5.1'



ANGLE	WALL	AIMED 30° TOWARD WALL
0	207	
5	250	T4 39W PHILIPS METAL HALIDE LAMP
10	369	LUMEN RATING = 3300 LMS.
15	988	
20	3040	CBCP=11,161 cd
25	8210	BEAM ANGLE = 19°
30	11161	AROMAT 39W ELECTRONIC BALLAST
35	9706	DATE: OCT 30, 2003
40	6745	CERTIFIED TEST REPORT NO. 2349FR
45	3537	COMPUTED BY LSI PROGRAM
50	1841	**TEST-LITE**
55	530	
60	72	
65	7	
70	0	
75	0	
80	0	
85	0	
90	0	

Candlepower Distribution 39W T4.5 – Narrow Flood Reflector

30° Aiming Angle Horizontal Surface					30° Aiming Angle Vertical Surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	201	2.7'	2.3'	2'	3.5'	349	2.9'	1.3'
8'	4.6'	113	3.6'	3.1'	3'	5.2'	155	4.4'	2.0'
10'	5.8'	72	4.5'	3.9'	4'	6.9'	87	5.8'	2.7'
12'	6.9'	50	5.4'	4.6'	6'	10.4'	39	8.8'	4.0'
15'	8.7'	32	6.8'	5.8'	8'	13.9'	22	11.7'	5.4'



ANGLE	WALL	AIMED 30° TOWARD WALL
0	538	
5	933	T4 70W PHILIPS METAL HALIDE LAMP
10	2082	LUMEN RATING = 6400 LMS.
15	5091	
20	10996	CBCP= 17,714cd
25	16127	BEAM ANGLE = 24°
30	17714	AROMAT 70W ELECTRONIC BALLAST
35	16020	DATE: OCT 25, 2003
40	10501	CERTIFIED TEST REPORT NO. 2346FR
45	5901	COMPUTED BY LSI PROGRAM
50	2069	**TEST-LITE**
55	545	
60	66	
65	7	
70	0	
75	0	
80	0	
85	0	
90	0	

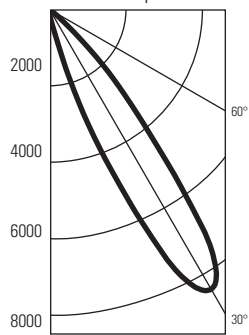
Candlepower Distribution 70W LAMP – Narrow Flood Reflector

30° Aiming Angle Horizontal Surface					30° Aiming Angle Vertical Surface				
D	C	FC	L	W	D	C	FC	L	W
8	4.6'	180	4.6'	3.9'	3	5.2'	246	5.9'	2.6'
10	5.8'	115	5.8'	4.9'	4	6.9'	138	7.9'	3.4'
12	6.9'	80	6.9'	5.9'	6	10.4'	62	11.8'	5.1'
15	8.7'	51	8.6'	7.4'	8	13.9'	35	15.7'	6.8'
20	11.5'	29	11.5'	9.8'	12	20.8'	15	23.6'	10.2'

Job Information **Type:**

Calculite® HID Adjustable Accent **C4T4A-MHT4RNF**

22W PGJ5 Philips MiniMastercolor CMH Lamp, **Narrow Flood** Upper Reflector, Lumen Rating = 1650 lms, Aromat Electronic Ballast

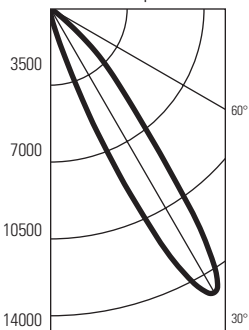


Angle	Wall
0	138
5	192
10	404
15	1371
20	3935
25	7119
30	8453
35	6979
40	3575
45	1524
50	282
55	45
60	13
65	0
70	0
75	0
80	0
85	0
90	0

30° Aiming Angle Horizontal Surface					30° Aiming Angle Vertical Surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	153	2.7'	2.3'	2'	3.5'	264	2.9'	1.3'
8'	4.6'	86	3.6'	3.1'	3'	5.2'	117	4.4'	2.0'
10'	5.8'	55	4.5'	3.9'	4'	6.9'	66	5.8'	2.7'
12'	6.9'	38	5.4'	4.6'	6'	10.4'	29	8.8'	4.0'
15'	8.7'	24	6.8'	5.8'	8'	13.9'	17	11.7'	5.4'

Certified Test Report No. 3815FR, Date: Oct 16, 2008. Computed by LSI Program **Test-Lite**

39W PGJ5 Philips MiniMastercolor CMH Lamp, **Narrow Flood** Upper Reflector, Lumen Rating = 3000 lms, Aromat Electronic Ballast



Angle	Wall
0	249
5	301
10	611
15	1568
20	5120
25	11519
30	14941
35	11079
40	5779
45	3381
50	1224
55	234
60	28
65	0
70	0
75	0
80	0
85	0
90	0

30° Aiming Angle Horizontal Surface					30° Aiming Angle Vertical Surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	270	2.4'	2.1'	2'	3.5'	467	2.6'	1.2'
8'	4.6'	152	3.2'	2.8'	3'	5.2'	208	3.8'	1.8'
10'	5.8'	97	4.0'	3.5'	4'	6.9'	117	5.1'	2.4'
12'	6.9'	67	4.8'	4.1'	6'	10.4'	52	7.7'	3.6'
15'	8.7'	43	6.0'	5.2'	8'	13.9'	29	10.3'	4.8'

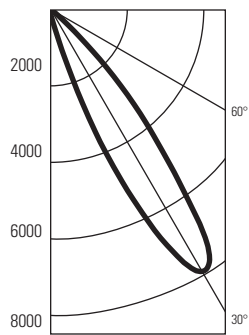
Certified Test Report No. 3940FR, Date: Oct 16, 2008. Computed by LSI Program **Test-Lite**

Job Information **Type:**



Calculite® HID Adjustable Accent **C4T4A-MHT4RNF**

20W GU6.5 GE Constantcolor CMH Lamp, **Narrow Flood** Upper Reflector, Lumen Rating = 1615 lms, Aromat Electronic Ballast



Angle	Wall
0	159
5	197
10	355
15	998
20	3413
25	6282
30	7909
35	6675
40	3878
45	1581
50	262
55	47
60	0
65	0
70	0
75	0
80	0
85	0
90	0

30° Aiming Angle
Horizontal Surface

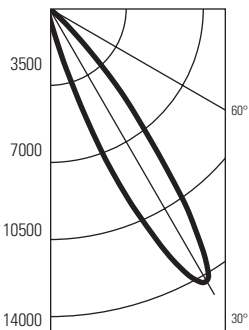
D	C	FC	L	W
6'	3.5'	143	2.7'	2.3'
8'	4.6'	80	3.6'	3.1'
10'	5.8'	51	4.5'	3.9'
12'	6.9'	36	5.4'	4.6'
15'	8.7'	23	6.8'	5.8'

30° Aiming Angle
Vertical Surface

D	C	FC	L	W
2'	3.5'	247	2.9'	1.3'
3'	5.2'	110	4.4'	2.0'
4'	6.9'	62	5.8'	2.7'
6'	10.4'	27	8.8'	4.0'
8'	13.9'	15	11.7'	5.4'

Certified Test Report No. 3764FR, Date: Oct 16, 2008. Computed by LSI Program **Test-Lite**

39W GU6.5 GE Constantcolor CMH Lamp, **Narrow Flood** Upper Reflector, Lumen Rating = 3400 lms, Aromat Electronic Ballast



Angle	Wall
0	314
5	491
10	875
15	2385
20	6739
25	11688
30	14295
35	10566
40	5546
45	1905
50	389
55	82
60	20
65	0
70	0
75	0
80	0
85	0
90	0

30° Aiming Angle
Horizontal Surface

D	C	FC	L	W
6'	3.5'	258	2.6'	2.2'
8'	4.6'	145	3.4'	2.9'
10'	5.8'	93	4.3'	3.7'
12'	6.9'	64	5.1'	4.4'
15'	8.7'	41	6.4'	5.5'

30° Aiming Angle
Vertical Surface

D	C	FC	L	W
2'	3.5'	447	2.7'	1.3'
3'	5.2'	199	4.1'	1.9'
4'	6.9'	112	5.5'	2.5'
6'	10.4'	50	8.2'	3.8'
8'	13.9'	28	11.0'	5.1'

Certified Test Report No. 3946FR, Date: Oct 16, 2008. Computed by LSI Program **Test-Lite**

Job Information **Type:**