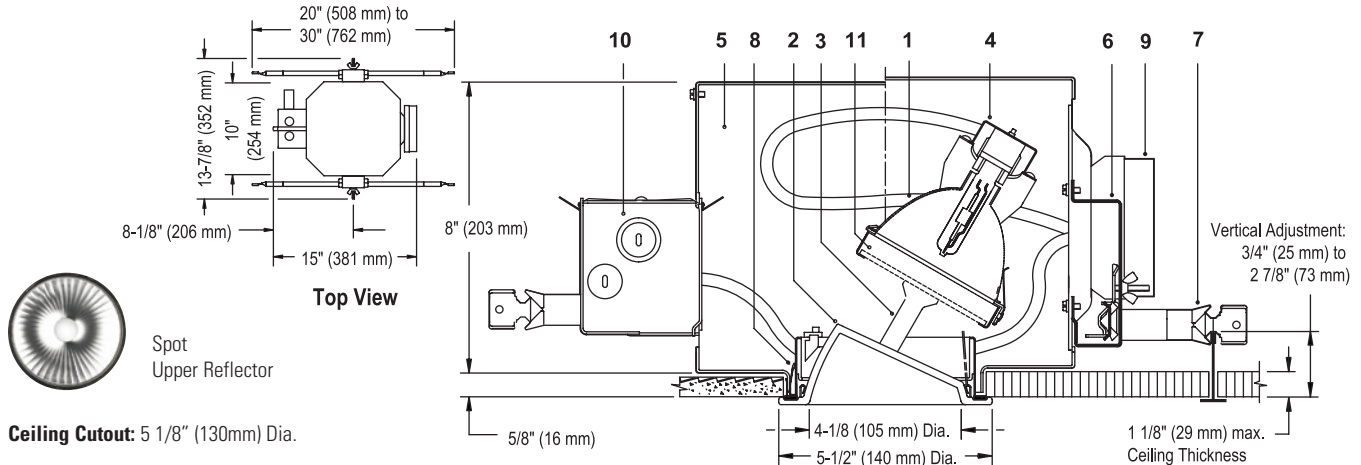


Calculite® HID Adjustable Accent **C4T4GA-MHT4RS**

Page 1 of 4

4 1/2" Aperture, T4, Ceramic Metal Halide, Glasslite, Spot



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

For Complete Fixture Order: Glasslite Trim Kit + Spot Upper Reflector (MHT4RS) + Frame-In Kit. Each Sold Separately.

Glasslite Trim Kit + Spot Upper Reflector	Frame-In Kit	Lamping (Ceramic Metal Halide)
C4T4GA + MHT4RS (Spot Upper Reflector) Etched glass, with matching flange.	C4A20BT5PGJ5E1 Electronic 120V	22W Philips MiniMasterColor
	C4A20T4GU65EU Electronic 120V/277V	20W GE ConstantColor
	C4A20T4EU Electronic 120V/277V	20W T4.5
	C4A39T4GU65EU Electronic 120V/277V	39W Philips MiniMasterColor
	C4A39T4E1 Electronic 120V	39W T4.5
	C4A39T4E2 Electronic 277V	39W T4.5
	C4A70T4E1 Electronic 120V	70W T4.5
	C4A70T4E2 Electronic 277V	70W T4.5

Features

- Spot Upper Reflector:** Specular faceted aluminum; provides 12° beam. Interchangeable with 25° Narrow Flood (MHT4RNF) and 40° Flood (MHT4RF); see spec sheets C4T4GA-MHT4RNF and C4T4GA-MHT4RF.
- Glasslite Trim Kit:** One piece borosilicate etched glass.
- 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.
- Accessory Holder:** Sold separately catalog # CAH4; die-formed steel, matte black finish, slide-in installation. Accepts up to two 3 3/4" dia. media.

Features (continued)

- 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

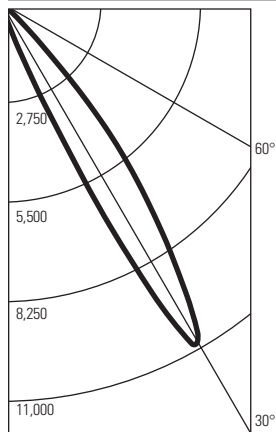
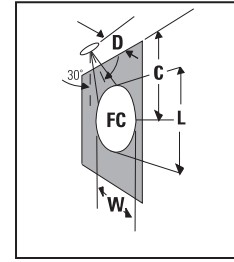
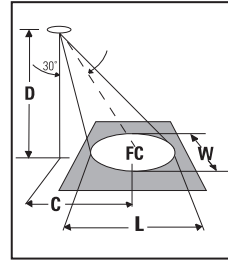
Labels

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

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

Calculite® HID Adjustable Accent **C4T4GA-MHT4RS**

(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 deg. TOWARD WALL
0	22	LAMP: T4.5 CERAMIC MH, GE
5	41	LUMEN RATING: 1700 LMS.
10	127	CBCP: 10820
15	216	Beam Angle: 13
20	1007	AROMAT ELECTRONIC BALLAST 20W
25	5286	DATE: APR 2, 2004
30	10820	CERTIFIED TEST REPORT NO. 18680
35	7757	COMPUTED BY LSI PROGRAM
40	4435	**TEST-LITE**
45	1178	
50	187	
55	41	
60	10	
65	5	
70	0	
75	0	
80	0	
85	0	
90	0	

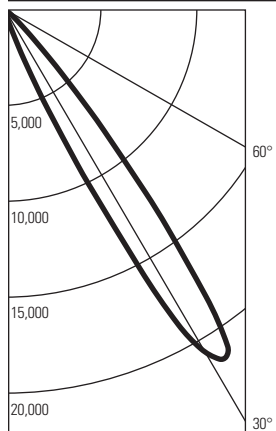
20W T4.5 Ceramic MH, Spot Upper Reflector

30° Aiming Angle
Horizontal Surface

D	C	FC	L	W
6'	3.5'	195	1.8'	1.6'
8'	4.6'	110	2.4'	2.1'
10'	5.8'	70	3.1'	2.6'
12'	6.9'	49	3.7'	3.2'
15'	8.7'	31	4.6'	3.9'

30° Aiming Angle
Vertical Surface

D	C	FC	L	W
2'	3.5'	338	1.9'	0.9'
3'	5.2'	150	2.8'	1.4'
4'	6.9'	85	3.8'	1.8'
6'	10.4'	38	5.7'	2.7'
8'	13.9'	21	7.6'	3.6'



ANGLE	WALL	AIMED 30 deg. TOWARD WALL
0	72	LAMP: T4.5 CERAMIC MH, PHILIPS
5	101	LUMEN RATING: 3400 LMS.
10	236	CBCP: 20419
15	541	Beam Angle: 13
20	2073	AROMAT ELECTRONIC BALLAST 39W
25	8817	DATE: APR 13, 2004
30	20419	CERTIFIED TEST REPORT NO. 18681
35	18264	COMPUTED BY LSI PROGRAM
40	6846	**TEST-LITE**
45	1609	
50	365	
55	84	
60	36	
65	24	
70	19	
75	12	
80	7	
85	0	
90	0	

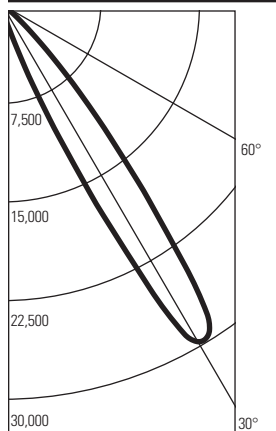
39W T4.5 Ceramic MH, Spot Upper Reflector

30° Aiming Angle
Horizontal Surface

D	C	FC	L	W
8'	4.6'	207	2.4'	2.1'
10'	5.8'	133	3.1'	2.6'
12'	6.9'	92	3.7'	3.2'
15'	8.7'	59	4.6'	3.9'
20'	11.5'	33	6.1'	5.3'

30° Aiming Angle
Vertical Surface

D	C	FC	L	W
3'	5.2'	284	2.8'	1.4'
4'	6.9'	160	3.8'	1.8'
6'	10.4'	71	5.7'	2.7'
8'	13.9'	40	7.6'	3.6'
12'	20.8'	18	11.4'	5.5'



ANGLE	WALL	AIMED 30 deg. TOWARD WALL
0	127	LAMP: T4.5 CERAMIC MH, PHILIPS
5	216	LUMEN RATING: 6200 LMS.
10	619	CBCP: 29566
15	1507	Beam Angle: 14
20	5042	AROMAT ELECTRONIC BALLAST 70W
25	15782	DATE: APR 2, 2004
30	29566	CERTIFIED TEST REPORT NO. 18682
35	24248	COMPUTED BY LSI PROGRAM
40	11359	**TEST-LITE**
45	4236	
50	1253	
55	231	
60	67	
65	30	
70	15	
75	15	
80	0	
85	0	
90	0	

70W T4.5 Ceramic MH, Spot Upper Reflector

30° Aiming Angle
Horizontal Surface

D	C	FC	L	W
8'	4.6'	300	2.6'	2.3'
10'	5.8'	192	3.3'	2.8'
12'	6.9'	133	3.9'	3.4'
15'	8.7'	85	4.9'	4.3'
20'	11.5'	48	6.6'	5.7'

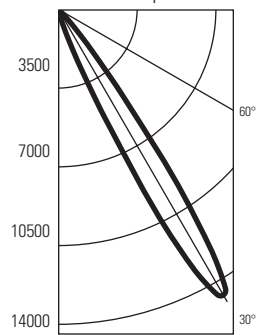
30° Aiming Angle
Vertical Surface

D	C	FC	L	W
3'	5.2'	411	3.1'	1.5'
4'	6.9'	231	4.1'	2.0'
6'	10.4'	103	6.2'	2.9'
8'	13.9'	58	8.2'	3.9'
12'	20.8'	26	12.3'	5.9'

Job Information **Type:**

Calculite® HID Adjustable Accent **C4T4GA-MHT4RS**

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

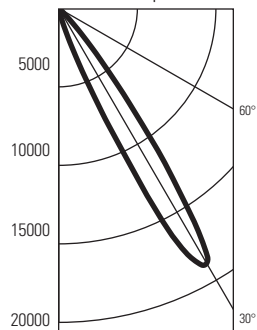


Angle	Wall
0	29
5	88
10	150
15	475
20	2178
25	8393
30	14663
35	7790
40	1764
45	270
50	39
55	0
60	0
65	0
70	0
75	0
80	0
85	0
90	0

30° Aiming Angle Horizontal Surface					30° Aiming Angle Vertical Surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	265	1.5'	1.3'	2'	3.5'	458	1.6'	0.8'
8'	4.6'	149	2.1'	1.8'	3'	5.2'	204	2.4'	1.2'
10'	5.8'	95	2.6'	2.2'	4'	6.9'	115	3.2'	1.5'
12'	6.9'	66	3.1'	2.7'	6'	10.4'	51	4.8'	2.3'
15'	8.7'	42	3.9'	3.3'	8'	13.9'	29	6.3'	3.1'

Certified Test Report No. 3952FR, Date: Oct 16, 2008. Computed by LSI Program **Test-Lite**

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



Angle	Wall
0	70
5	158
10	338
15	920
20	3814
25	12439
30	18781
35	10694
40	3279
45	659
50	110
55	20
60	6
65	0
70	0
75	0
80	0
85	0
90	0

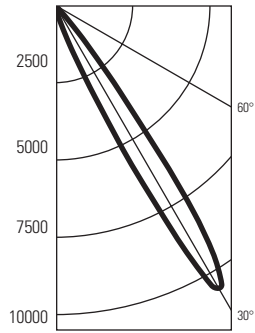
30° Aiming Angle Horizontal Surface					30° Aiming Angle Vertical Surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	339	1.8'	1.6'	2'	3.5'	587	1.9'	0.9'
8'	4.6'	191	2.4'	2.1'	3'	5.2'	261	2.8'	1.4'
10'	5.8'	122	3.1'	2.6'	4'	6.9'	147	3.8'	1.8'
12'	6.9'	85	3.7'	3.2'	6'	10.4'	65	5.7'	2.7'
15'	8.7'	54	4.6'	3.9'	8'	13.9'	37	7.6'	3.6'

Certified Test Report No. 3943FR, Date: Oct 16, 2008. Computed by LSI Program **Test-Lite**

Job Information **Type:**

Calculite® HID Adjustable Accent **C4T4GA-MHT4RS**

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

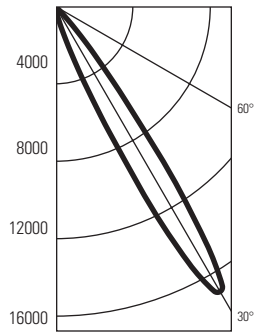


Angle	Wall
0	35
5	92
10	140
15	366
20	1370
25	4948
30	10563
35	5981
40	1176
45	92
50	6
55	0
60	0
65	0
70	0
75	0
80	0
85	0
90	0

30° Aiming Angle Horizontal Surface					30° Aiming Angle Vertical Surface				
D	C	FC	L	W	D	C	FC	L	W
6'	3.5'	191	1.4'	1.2'	2'	3.5'	330	1.4'	0.7'
8'	4.6'	107	1.9'	1.6'	3'	5.2'	147	2.1'	1.0'
10'	5.8'	69	2.3'	2.0'	4'	6.9'	83	2.9'	1.4'
12'	6.9'	48	2.8'	2.4'	6'	10.4'	37	4.3'	2.1'
15'	8.7'	30	3.5'	3.0'	8'	13.9'	21	5.7'	2.8'

Certified Test Report No. 3956FR, Date: Oct 16, 2008. Computed by LSI Program **Test-Lite**

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



Angle	Wall
0	99
5	202
10	395
15	1000
20	3493
25	10288
30	17013
35	9277
40	2510
45	361
50	82
55	28
60	14
65	14
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'	307	1.7'	1.5'	2'	3.5'	532	1.7'	0.8'
8'	4.6'	173	2.3'	1.9'	3'	5.2'	236	2.6'	1.3'
10'	5.8'	111	2.8'	2.4'	4'	6.9'	133	3.5'	1.7'
12'	6.9'	77	3.4'	2.9'	6'	10.4'	59	5.2'	2.5'
15'	8.7'	49	4.2'	3.6'	8'	13.9'	33	7.0'	3.4'

Certified Test Report No. 3944FR, Date: Oct 16, 2008. Computed by LSI Program **Test-Lite**

Job Information **Type:**