

Ceiling Cutout: 5 1/16" (129 mm) Dia.

Ceiling Thickness: 1 1/8" Max

Reflector Trim	Frame-In Kit	Lamp
<b>Finish</b>		
Etched White Interior and Flange	<b>C4MRGD</b>	<b>C420MREU</b> – Electronic 120/277V Non-IC (1) 20W MR16 CMH GX10 Base

**Features**

- Glasslite:** One piece borosilicate glass with integral flange, etched interior and white ceramic coated exterior. Etched white cone finish emits a subtle glow. Hinged and snaps onto lampholder assembly for easy tool-less installation. Suitable for spas, hot tubs, and other wet environments.
- Lampholder Assembly:** Die-cast aluminum. Built-in aperture shield. Matte black finish. Lamp shield keeps interior of fixture dark.
- Lamp Support:** Die-form aluminum with knurled surface for easy gripping during relamping. Spring tension clips hold lamp and lens and allow fast snap-in, snap-out relamping. Matte black finish.  
**NOTE:** HID lampholder ship with the frame. Discard the incandescent lampholder that ships standard with the trims.
- Horizontal Adjustment Mechanism:** Die-form steel ring, matte black finish. Provides 360° horizontal stop, lockable.
- 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 inside fixture.
- Mounting Bars:** Galvanized steel, 0.048"; pre-installed telescoping bars extend to 30" long and lock securely into position. Built-in locking tabs provide positive attachment to common T-bars systems. Self-centering feature simplified installation in 24" O.C. grid systems. Attaches to steel or wood joists without accessories.
- Socket Harness:** Twist and lock base. 5kV (600V) pulse rated PPS, black T240 body socket with nickel-plated contacts. 18 AWG silicone leads with fiberglass.

**Options and Accessories**

Accepts one accessory

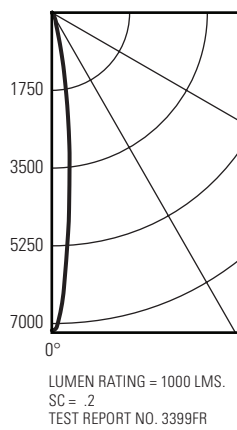
**Labels**

U.L. (Suitable for Wet Locations)

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Job Information	Type:
<b>Job Name:</b>	
<b>Cat. No.:</b>	
<b>Lamp(s):</b>	
<b>Notes:</b>	

**C4MRGD, 20W G.E. HID SPOT, 12° GX10 BASE**



CANDLEPOWER SUMMARY		
Angle	Mean CP	Lumens
0	7154	
5	4442	427
10	1871	
15	636	242
20	275	
25	198	91
30	118	
35	89	58
40	73	
45	31	29
50	15	
55	13	12
60	11	
65	9	10
70	9	
75	5	6
80	4	
85	1	2
90	0	

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	760	76.08	86.78
0-40	818	81.86	93.37
0-60	859	85.92	98.00
0-90	876	87.67	100.00
40-90	58	5.81	6.63
60-90	17	1.75	2.00
90-180	0	.00	.00
0-180	876	87.67	100.00

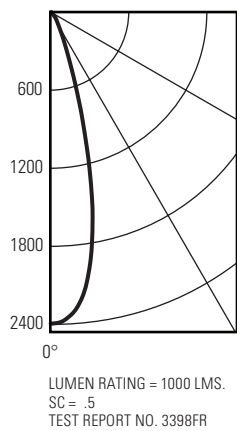
LUMINANCE SUMMARY	
ANGLE	MEAN CD/SQ.M
45	4853
55	2464
65	2442
75	2108
85	1584

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD																		
EFFECTIVE FLOOR CAVITY REFLECTANCE = .20																		
WALL RCR	80				70				50				10					
	70	50	30	10	70	50	30	10	50	30	10	50		30	10			
0	1.04	1.04	1.04	1.04	1.02	1.02	1.02	1.02	.97	.97	.97	.93	.93	.93	.89	.89	.89	.88
1	1.01	.99	.98	.97	.99	.98	.96	.95	.94	.93	.92	.91	.90	.89	.88	.87	.87	.85
2	.98	.95	.93	.91	.96	.94	.92	.90	.91	.89	.88	.89	.87	.86	.86	.85	.84	.83
3	.95	.92	.89	.87	.94	.91	.88	.86	.89	.86	.85	.87	.85	.83	.85	.84	.82	.81
4	.93	.89	.86	.83	.92	.88	.85	.83	.86	.84	.82	.85	.83	.81	.83	.82	.80	.79
5	.91	.86	.83	.81	.89	.85	.82	.80	.84	.81	.80	.83	.81	.79	.82	.80	.78	.77
6	.89	.84	.81	.79	.88	.83	.80	.78	.82	.80	.78	.81	.79	.77	.80	.78	.77	.76
7	.87	.82	.79	.76	.86	.81	.78	.76	.80	.78	.76	.79	.77	.75	.79	.77	.75	.74
8	.85	.80	.77	.75	.84	.79	.76	.74	.79	.76	.74	.78	.75	.74	.77	.75	.73	.73
9	.83	.78	.75	.73	.82	.78	.75	.73	.77	.74	.72	.76	.74	.72	.76	.74	.72	.71
10	.81	.76	.73	.71	.81	.76	.73	.71	.75	.73	.71	.75	.73	.71	.75	.72	.71	.70

CU VALUE GREATER THAN 1.00  
determined in accordance with current IES published procedures  
LUMINAIRE INPUT WATTS = 26.0

Tested according to IES procedures.  
Test distance exceeds five times the greatest luminous opening of luminaire.

**C4MRGD, 20W G.E. HID WIDE FLOOD, 25° GX10 BASE**



CANDLEPOWER SUMMARY		
Angle	Mean CP	Lumens
0	2393	
5	2285	210
10	1823	
15	1073	316
20	484	
25	234	125
30	128	
35	84	56
40	60	
45	29	26
50	16	
55	15	13
60	12	
65	11	11
70	9	
75	7	7
80	5	
85	4	4
90	2	

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	650	65.02	84.81
0-40	706	70.61	92.09
0-60	745	74.52	97.19
0-90	766	76.67	100.00
40-90	60	6.06	7.91
60-90	21	2.16	2.81
90-180	0	.00	.00
0-180	766	76.67	100.00

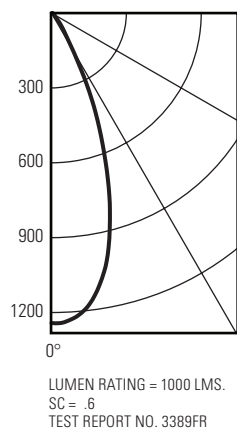
LUMINANCE SUMMARY	
ANGLE	MEAN CD/SQ.M
45	4523
55	2783
65	2771
75	2801
85	4436

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD																		
EFFECTIVE FLOOR CAVITY REFLECTANCE = .20																		
WALL RCR	80				70				50				10					
	70	50	30	10	70	50	30	10	50	30	10	50		30	10			
0	.91	.91	.91	.91	.89	.89	.89	.89	.85	.85	.85	.82	.82	.82	.78	.78	.78	.77
1	.88	.86	.85	.84	.86	.85	.84	.82	.82	.81	.80	.79	.78	.77	.76	.76	.75	.74
2	.85	.82	.80	.78	.84	.81	.79	.77	.79	.77	.75	.76	.75	.74	.74	.73	.72	.71
3	.82	.79	.76	.74	.81	.78	.75	.73	.76	.74	.72	.74	.73	.71	.73	.71	.70	.69
4	.80	.76	.73	.71	.79	.75	.73	.70	.74	.71	.69	.72	.70	.69	.71	.69	.68	.67
5	.78	.73	.70	.68	.76	.72	.69	.67	.71	.69	.67	.70	.68	.66	.69	.67	.66	.65
6	.76	.71	.68	.66	.75	.70	.67	.65	.69	.67	.65	.68	.66	.64	.68	.66	.64	.63
7	.73	.69	.65	.63	.73	.68	.65	.63	.67	.65	.63	.66	.64	.62	.66	.64	.62	.61
8	.72	.66	.63	.61	.71	.66	.63	.61	.65	.63	.61	.65	.62	.61	.64	.62	.60	.60
9	.70	.65	.62	.59	.69	.64	.61	.59	.64	.61	.59	.63	.61	.59	.62	.60	.59	.58
10	.68	.63	.60	.58	.67	.62	.60	.58	.62	.59	.57	.61	.59	.57	.61	.59	.57	.56

CU VALUE GREATER THAN 1.00  
determined in accordance with current IES published procedures  
LUMINAIRE INPUT WATTS = 26.0

Tested according to IES procedures.  
Test distance exceeds five times the greatest luminous opening of luminaire.

**C4MRGD, 20W G.E. HID FLOOD, 40° GX10 BASE**



CANDLEPOWER SUMMARY		
Angle	Mean CP	Lumens
0	1242	
5	1217	114
10	1107	
15	901	251
20	633	
25	382	181
30	169	
35	87	62
40	50	
45	24	22
50	17	
55	15	14
60	13	
65	11	11
70	8	
75	6	6
80	5	
85	3	3
90	1	

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	546	54.63	82.26
0-40	607	60.79	91.54
0-60	643	64.39	96.95
0-90	664	66.41	100.00
40-90	56	5.62	8.46
60-90	20	2.02	3.05
90-180	0	.00	.00
0-180	664	66.41	100.00

LUMINANCE SUMMARY	
ANGLE	MEAN CD/SQ.M
45	3714
55	2914
65	2769
75	2501
85	3546

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD																		
EFFECTIVE FLOOR CAVITY REFLECTANCE = .20																		
WALL RCR	80				70				50				10					
	70	50	30	10	70	50	30	10	50	30	10	50		30	10			
0	.79	.79	.79	.79	.77	.77	.77	.77	.74	.74	.74	.71	.71	.71	.68	.68	.68	.66
1	.76	.75	.73	.72	.75	.73	.72	.71	.71	.70	.69	.68	.67	.67	.66	.65	.65	.64
2	.73	.71	.69	.67	.72	.70	.68	.66	.67	.66	.65	.66	.64	.63	.64	.63	.62	.61
3	.71	.67	.65	.63	.70	.67	.64	.62	.65	.63	.61	.63	.62	.61	.62	.61	.60	.59
4	.68	.65	.62	.60	.67	.64	.62	.59	.63	.60	.59	.61	.59	.58	.60	.59	.57	.57
5	.66	.62	.59	.57	.65	.61	.58	.56	.60	.58	.56	.59	.57	.56	.58	.57	.55	.54
6	.64	.60	.57	.55	.63	.59	.56	.54	.58	.56	.54	.57	.55	.54	.57	.55	.53	.53
7	.62	.57	.54	.52	.61	.57	.54	.52	.56	.53	.52	.55	.53	.51	.55	.53	.51	.50
8	.60	.55	.52	.50	.59	.55	.52	.50	.54	.52	.50	.54	.51	.50	.53	.51	.49	.49
9	.58	.53	.50	.48	.57	.53	.50	.48	.52	.50	.48	.52	.49	.48	.51	.49	.48	.47
10	.56	.51	.48	.46	.56	.51	.48	.46	.51	.48	.46	.50	.48	.46	.50	.48	.46	.45

CU VALUE GREATER THAN 1.00  
determined in accordance with current IES published procedures  
LUMINAIRE INPUT WATTS = 26.0

Tested according to IES procedures.  
Test distance exceeds five times the greatest luminous opening of luminaire.

**Job Information** **Type:**