

Surface Cylinder (Complete Unit)		Housing	Lamp
C4CIN20T4EU	Electronic 120V / 277V	Painted Aluminum	20W T4.5 Ceramic MH
C4CIN39T4EU	Electronic 120V / 277	Painted Aluminum	39W T4.5 Ceramic MH
C4CIN20T4EUA	Electronic 120V / 277	Satin Aluminum	20W T4.5 Ceramic MH
C4CIN39T4EUA	Electronic 120V / 277	Satin Aluminum	39W T4.5 Ceramic MH

### Features

- Glass Shroud:** Clear glass cylinder provides visual interest and a contemporary decorative element.
- Glass Diffuser:** Etched glass cylindrical diffuser provides cutoff to the light source delivering smooth even illumination.
- Cylinder Base Cover:** Powder coated (to match base) die-cast cover is removable to access wiring and ballast.
- Cylinder Base:** Powder coated matte silver die-cast aluminum base supports glass cylinder and conceals electrical components.
- Reflector:** Highly polished specular aluminum. Precisely controls and directs light downward providing high-efficiency optics.
- Lamp Shield:** High-temperature glass as required by code; captive during re-lamping. Light diffusion provides exceptionally smooth beam.
- Socket:** G8.5 pulse rated socket.
- Electronic Ballast:** 20W / 39W electronic universal (120/277V).

### Electrical

**Electronic Ballast:** 120V/277V dual voltage, encased, 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

### Options and Accessories

- CA4CWBS:** Wall Mount Kit – Silver  
Cast aluminum back plate, suitable for mounting over 4" octagon outlet box.
- CACPS:** 120" Cable Pendant Kit – Silver Cast aluminum back plate, suitable for mounting over 4" octagon outlet box. Provided with (3) 0.050" cables, power cable and 6 1/2" decorative plate. Installs over 4" octagon outlet box. Cable can be cut to length on site.
- CACSS:** Stem Kit – Silver (45° Swivel, 37" Long)  
Provided with 5/8" dia. Stem and 5 1/2" Canopy. Self-aligning swivel provides max. 45° vertical tilting. Installs over 4" octagonal outlet box. Stem can be cut to length on site.

### Labels

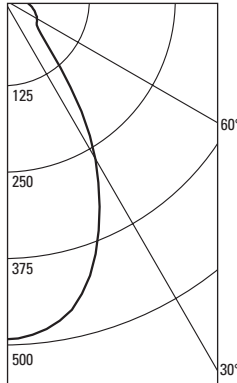
UL Listed (Suitable for wet locations), CSA, I.B.E.W.

US and Foreign Patents Pending.

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

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**20W T4.5 G.E. CERAMIC MH, LUMEN RATING = 1700 LMS., AROMAT 20W ELECTRONIC BALLAST**



ANGLE	MEAN CP	LUMENS	LUMINANCE SUMMARY - CD. / SQ. M.	
			ANGLE	MEAN CD/SQ M
0	492		45	6702
5	487	46	55	5702
10	472		65	6829
15	441	124	75	9096
20	392		85	20303
25	331	153		
30	268			
35	198	125		
40	129			
45	86	71		
50	66			
55	59	54		
60	56			
65	52	52		
70	48			
75	43	45		
80	37			
85	32	35		
90	26			

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	322	19	45.83
0-40	447	26.33	63.51
0-60	572	33.68	81.25
0-90	704	41.45	100
40-90	257	15.12	36.49
60-90	132	7.77	18.75
90-180	0	0	0
0-180	704	41.45	100

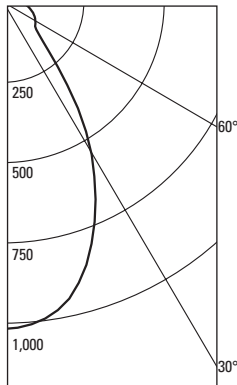
**Coefficients of Utilization**

CEILING	80%				70%		50%		30%		0
	70	50	30	10	50	10	50	10	50	10	
WALL	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%										
RCR	LUMINAIRE INPUT WATTS = 23										
0	.49	.49	.49	.49	.48	.48	.46	.46	.44	.44	.41
1	.46	.44	.42	.41	.43	.40	.41	.39	.40	.38	.36
2	.42	.40	.37	.35	.39	.35	.37	.34	.36	.33	.32
3	.40	.36	.33	.31	.35	.31	.34	.30	.33	.30	.29
4	.37	.33	.30	.28	.33	.28	.32	.28	.31	.27	.26
5	.35	.31	.28	.25	.30	.25	.29	.25	.29	.25	.24
6	.33	.29	.25	.23	.28	.23	.27	.23	.27	.23	.22
7	.31	.26	.23	.21	.26	.21	.26	.21	.25	.21	.20
8	.29	.25	.22	.20	.24	.20	.24	.20	.23	.19	.19
9	.28	.23	.20	.18	.23	.18	.22	.18	.22	.18	.17
10	.26	.22	.19	.17	.21	.17	.21	.17	.21	.17	.16

\*\* EFFICIENCY = 41.5% \*\*  
SC-.9

CERTIFIED TEST REPORT NO. 2615FR DATE: MAY 7, 2004  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

**39W T4.5 PHILIPS CERAMIC MH, LUMEN RATING = 3300 LMS., AROMAT 39W ELECTRONIC BALLAST**



ANGLE	MEAN CP	LUMENS	LUMINANCE SUMMARY - CD. / SQ. M.	
			ANGLE	MEAN CD/SQ M
0	1018		45	13544
5	1007	96	55	11586
10	974		65	13906
15	905	254	75	18535
20	801		85	41710
25	678	313		
30	549			
35	404	254		
40	262			
45	174	144		
50	133			
55	121	110		
60	114			
65	107	106		
70	98			
75	87	92		
80	77			
85	66	72		
90	54			

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	662	20.09	46.03
0-40	916	27.79	63.67
0-60	1170	35.47	81.28
0-90	1440	43.64	100
40-90	523	15.85	36.33
60-90	269	8.17	18.72
90-180	0	0	0
0-180	1440	43.64	100

**Coefficients of Utilization**

CEILING	80%				70%		50%		30%		0
	70	50	30	10	50	10	50	10	50	10	
WALL	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%										
RCR	LUMINAIRE INPUT WATTS = 44										
0	.52	.52	.52	.52	.51	.51	.48	.48	.46	.46	.44
1	.48	.46	.44	.43	.45	.42	.43	.41	.42	.40	.38
2	.45	.42	.39	.37	.41	.37	.39	.36	.38	.35	.33
3	.42	.38	.35	.33	.37	.32	.36	.32	.35	.31	.30
4	.39	.35	.32	.30	.35	.29	.33	.29	.33	.29	.27
5	.37	.32	.29	.27	.32	.27	.31	.26	.30	.26	.25
6	.35	.30	.27	.25	.30	.24	.29	.24	.28	.24	.23
7	.33	.28	.25	.23	.28	.22	.27	.22	.26	.22	.21
8	.31	.26	.23	.21	.26	.21	.25	.21	.25	.20	.20
9	.29	.24	.21	.19	.24	.19	.24	.19	.23	.19	.18
10	.28	.23	.20	.18	.22	.18	.22	.18	.22	.18	.17

\*\* EFFICIENCY = 43.6% \*\*  
SC = .9

CERTIFIED TEST REPORT NO. 2614FR DATE: MAY 5, 2004  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

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

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