

Surface Cylinder (Complete Unit)		Housing	Lamp
C4CEX20T4EU	Electronic 120V / 277V	Painted Aluminum	20W T4.5 Ceramic Metal Halide
C4CEX39T4EU	Electronic 120V / 277V	Painted Aluminum	39W T4.5 Ceramic Metal Halide
C4CEX20T4EUA	Electronic 120V / 277V	Satin Aluminum	20W T4.5 Ceramic Metal Halide
C4CEX39T4EUE	Electronic 120V / 277V	Satin Aluminum	39W T4.5 Ceramic Metal Halide

Features

- Glass Shroud:** Clear glass cylinder provides visual interest and a contemporary decorative element; glass diffuser and reflector exposed.
- 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 Housing:** Galvanized steel, pre-wired with G8.5 pulse rated socket. Snaps onto upper reflector for secure attachment without tools; unitized construction assures proper optical alignment of lamp to reflector.
- 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.
- CAEXPT:** Expo Rod & Trim Kit

Labels

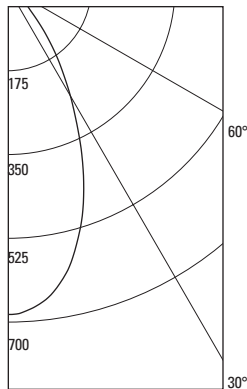
UL Listed (suitable for wet locations), CSA, I.B.E.W.

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

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

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	684	
5	670	63
10	629	
15	557	157
20	465	
25	360	168
30	263	
35	183	117
40	115	
45	65	57
50	49	
55	48	43
60	46	
65	44	43
70	41	
75	37	39
80	33	
85	29	32
90	25	

LUMINANCE SUMMARY CD. / SQ. M.

ANGLE	MEAN CD/SQ.M
45	5075
55	4571
65	5720
75	7871
85	18528

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	387	22.79	53.92
0-40	504	29.68	70.2
0-60	604	35.54	84.08
0-90	718	42.27	100
40-90	214	12.6	29.8
60-90	114	6.73	15.92
90-180	0	0	0
0-180	718	42.27	100

Coefficients of Utilization

CEILING	80%				70%		50%		30%		
	70	50	30	10	50	10	50	10	50	10	
WALL											
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%										
0	.50	.50	.50	.50	.49	.49	.47	.47	.45	.45	.42
1	.47	.45	.44	.42	.44	.42	.42	.40	.41	.39	.37
2	.44	.41	.39	.37	.41	.37	.39	.36	.38	.35	.34
3	.41	.38	.35	.33	.37	.33	.36	.33	.35	.32	.31
4	.39	.35	.33	.31	.35	.30	.34	.30	.33	.30	.29
5	.37	.33	.30	.28	.33	.28	.32	.28	.31	.27	.26
6	.35	.31	.28	.26	.31	.26	.30	.26	.29	.26	.25
7	.33	.29	.26	.24	.29	.24	.28	.24	.28	.24	.23
8	.32	.27	.25	.23	.27	.23	.27	.23	.26	.22	.22
9	.30	.26	.23	.21	.26	.21	.25	.21	.25	.21	.20
10	.29	.24	.22	.20	.24	.20	.24	.20	.23	.20	.19

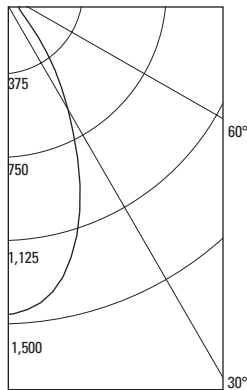
** EFFICIENCY = 42.3% **
SC = .8

CERTIFIED TEST REPORT NO. 2616FR, DATE: MAY 10, 2004
COMPUTED BY LSI PROGRAM **TEST-LITE**

LUMINAIRE INPUT WATTS = 23

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

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	1461	
5	1441	137
10	1377	
15	1243	349
20	1056	
25	832	386
30	617	
35	435	276
40	269	
45	147	131
50	115	
55	115	102
60	111	
65	104	103
70	95	
75	85	89
80	73	
85	62	68
90	50	

LUMINANCE SUMMARY CD. / SQ. M.

ANGLE	MEAN CD/SQ.M
45	11431
55	11051
65	13572
75	17969
85	39439

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	871	26.41	53.12
0-40	1147	34.77	69.93
0-60	1380	41.85	84.18
0-90	1640	49.71	100
40-90	493	14.95	30.07
60-90	259	7.86	15.82
90-180	0	0	0
0-180	1640	49.71	100

Coefficients of Utilization

CEILING	80%				70%		50%		30%		
	70	50	30	10	50	10	50	10	50	10	
WALL											
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%										
0	.59	.59	.59	.59	.58	.58	.55	.55	.53	.53	.50
1	.55	.53	.51	.50	.52	.49	.50	.47	.48	.46	.44
2	.52	.49	.46	.44	.48	.43	.46	.42	.44	.41	.39
3	.49	.45	.42	.39	.44	.39	.43	.38	.41	.38	.36
4	.46	.42	.38	.36	.41	.36	.40	.35	.39	.35	.33
5	.43	.39	.35	.33	.38	.33	.37	.32	.36	.32	.31
6	.41	.36	.33	.30	.36	.30	.35	.30	.34	.30	.29
7	.39	.34	.31	.28	.34	.28	.33	.28	.32	.28	.27
8	.37	.32	.29	.26	.31	.26	.31	.26	.30	.26	.25
9	.35	.30	.27	.25	.30	.25	.29	.24	.29	.24	.23
10	.33	.28	.25	.23	.28	.23	.28	.23	.27	.23	.22

** EFFICIENCY = 49.7% **
SC = .8

CERTIFIED TEST REPORT NO. 2335FR, DATE: APRIL 19, 2004
COMPUTED BY LSI PROGRAM **TEST-LITE**

LUMINAIRE INPUT WATTS = 44

Job Information **Type:**

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