

Ceiling Cutout: 5 3/4" (146 mm) Dia.

Ordering Information

Reflector Trim	Installation Ring	Gear Harness	Lamp Data
C4T4VWCCDPEXP Comfort Clear Diffuse, Polished Flange	C4XRM	BKT4U20 BKT4U39 BKT4U70	CDM-TC G8.5 20W (T4.5) CDM-TC G8.5 39W (T4.5) CDM-TC G8.5 70W (T4.5)

Features

- Upper Reflector:** Clear anodized aluminum, 0.040" (16-ga.). Provides wide beam optics ideal for general lighting. Also available in narrow and medium beam, see C4T4VNEXP and C4T4VMEXP specification sheets.
- Aperture Cone:** Provides 50° visual cut-off to lamp and lamp image; self-flange in aperture-matching polished flange.
- 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 lamp alignment to optics for consistent performance.
- Installation Ring:** Cast aluminum ring is painted matte white and has two 17ga. stainless steel springs that engage in upright position during installation. One touch snap action secures ring in ceiling cutout. ORDER SEPARATELY. See separate specification sheet for details.
- Trim Retention Springs:** Rust resistant springs secure reflector/housing for quick, toolless installation (quantity of 4).
- Gear harness:** Electronic metal halide ballast with lamp socket and wiring harness. ORDER SEPARATELY. See separate specification sheet for details.

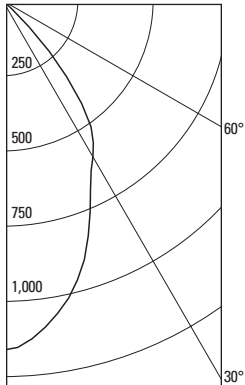


Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

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20W T4, GE CMH LAMP, LUMEN RATING = 1700 LMS, AROMAT 20W ELECTRONIC BALLAST, CL FINISH TRIM

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	1162	
5	1128	107
10	1055	
15	961	270
20	832	
25	691	326
30	600	
35	512	307
40	331	
45	124	115
50	11	
55	2	4
60	1	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

LUMINANCE SUMMARY CD. / SQ. M.

ANGLE	MEAN CD/SQ.M
45	17204
55	370
65	13
75	0
85	0

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	702	41.33	62.26
0-40	1009	59.4	89.5
0-60	1128	66.36	99.98
0-90	1128	66.37	100
40-90	118	6.97	10.5
60-90	0	0.02	0.02
90-180	0	0	0
0-180	1128	66.37	100

Coefficients of Utilization

CEILING	80%		70%		50%		30%		0		
	70	50	30	10	50	10	50	10			
WALL	70	50	30	10	50	10	50	10	0		
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%										
0	.79	.79	.79	.79	.77	.77	.74	.74	.71	.71	.67
1	.76	.74	.73	.72	.73	.70	.70	.68	.68	.66	.63
2	.73	.70	.68	.66	.69	.65	.67	.63	.65	.62	.60
3	.69	.66	.63	.60	.65	.60	.63	.59	.62	.58	.56
4	.66	.62	.59	.56	.61	.56	.60	.55	.59	.55	.53
5	.63	.58	.55	.52	.58	.52	.56	.52	.55	.51	.50
6	.60	.55	.51	.49	.55	.49	.54	.48	.53	.48	.47
7	.57	.52	.48	.46	.51	.45	.50	.45	.50	.45	.44
8	.55	.48	.45	.42	.48	.42	.47	.42	.47	.42	.41
9	.52	.46	.42	.39	.45	.39	.44	.39	.44	.39	.38
10	.49	.43	.39	.36	.42	.36	.42	.36	.41	.36	.35

LUMINAIRE INPUT WATTS = 23

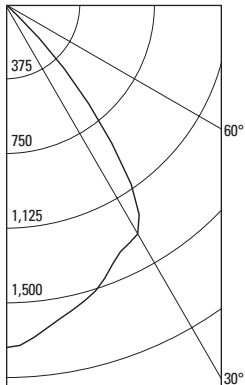
** EFFICIENCY = 66.4% **

CERTIFIED TEST REPORT NO. 2318FR, DATE: SEP 28, 2003
COMPUTED BY LSI PROGRAM **TEST-LITE**

SC = .9

39W T4 , PHILIPS CMH LAMP, LUMEN RATING = 3300 LMS, AROMAT 39W ELECTRONIC BALLAST, CL FINISH TRIM

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	1725	
5	1679	160
10	1602	
15	1542	436
20	1464	
25	1371	641
30	1332	
35	1104	659
40	655	
45	242	225
50	24	
55	5	8
60	2	
65	0	1
70	0	
75	0	0
80	0	
85	0	0
90	0	

LUMINANCE SUMMARY CD. / SQ. M.

ANGLE	MEAN CD/SQ.M
45	33540
55	928
65	78
75	0
85	0

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1236	37.46	58.06
0-40	1895	57.42	88.99
0-60	2128	64.51	99.97
0-90	2129	64.53	100
40-90	234	7.1	11.01
60-90	0	0.02	0.03
90-180	0	0	0
0-180	2129	64.53	100

Coefficients of Utilization

CEILING	80%		70%		50%		30%		0		
	70	50	30	10	50	10	50	10			
WALL	70	50	30	10	50	10	50	10	0		
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%										
0	.77	.77	.77	.77	.75	.75	.72	.72	.69	.69	.65
1	.74	.72	.71	.69	.71	.68	.68	.66	.66	.64	.61
2	.70	.68	.65	.63	.66	.62	.64	.61	.63	.60	.58
3	.67	.63	.60	.58	.62	.58	.61	.57	.59	.56	.54
4	.64	.59	.56	.54	.59	.53	.57	.53	.56	.52	.51
5	.61	.56	.52	.49	.55	.49	.54	.49	.53	.48	.47
6	.58	.52	.49	.46	.52	.46	.51	.46	.50	.45	.44
7	.55	.49	.45	.43	.48	.42	.48	.42	.47	.42	.41
8	.52	.46	.42	.39	.45	.39	.44	.39	.44	.39	.38
9	.49	.42	.39	.36	.42	.36	.41	.36	.41	.36	.35
10	.46	.40	.36	.33	.39	.33	.38	.33	.38	.33	.32

LUMINAIRE INPUT WATTS = 44

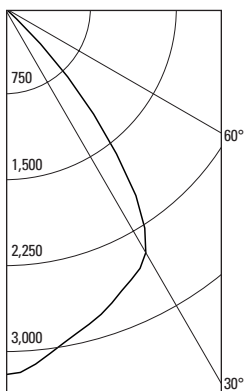
** EFFICIENCY = 64.5% **

CERTIFIED TEST REPORT NO. 2317FR, DATE: SEP 27, 2003
COMPUTED BY LSI PROGRAM **TEST-LITE**

SC = 1.1

70W T4, PHILIPS CMH LAMP, LUMEN RATING = 6400 LMS, AROMAT 70W ELECTRONIC BALLAST, CL FINISH TRIM

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMEN
0	3202	
5	3121	296
10	2971	
15	2858	810
20	2741	
25	2618	1208
30	2467	
35	2000	1206
40	1210	
45	445	414
50	39	
55	5	11
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

LUMINANCE SUMMARY CD. / SQ. M.

ANGLE	MEAN CD/SQ.M
45	61531
55	806
65	0
75	0
85	0

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	2314	36.16	58.67
0-40	3520	55	89.23
0-60	3944	61.64	100
0-90	3944	61.64	100
40-90	424	6.64	10.77
60-90	0	0	0
90-180	0	0	0
0-180	3944	61.64	100

Coefficients of Utilization

CEILING	80%		70%		50%		30%		0		
	70	50	30	10	50	10	50	10			
WALL	70	50	30	10	50	10	50	10	0		
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%										
0	.74	.74	.74	.74	.72	.72	.69	.69	.66	.66	.62
1	.71	.69	.68	.66	.68	.65	.65	.63	.63	.61	.58
2	.67	.65	.63	.60	.64	.60	.62	.59	.60	.57	.55
3	.64	.61	.58	.56	.60	.55	.58	.54	.57	.53	.52
4	.61	.57	.54	.51	.56	.51	.55	.51	.54	.50	.49
5	.58	.53	.50	.47	.53	.47	.52	.47	.51	.46	.45
6	.55	.50	.47	.44	.50	.44	.49	.44	.48	.43	.42
7	.52	.47	.43	.41	.47	.41	.46	.41	.45	.40	.39
8	.50	.44	.40	.38	.43	.38	.43	.37	.42	.37	.36
9	.47	.41	.37	.35	.40	.35	.40	.34	.39	.34	.33
10	.44	.38	.34	.32	.38	.32	.37	.32	.37	.32	.31

LUMINAIRE INPUT WATTS = 78

** EFFICIENCY = 61.6% **

CERTIFIED TEST REPORT NO. 2316FR, DATE: SEP 27, 2003
COMPUTED BY LSI PROGRAM **TEST-LITE**

SC = 1.1

Job Information **Type:**

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