

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

**Ordering Information**

Reflector Trim	Installation Ring	Gear Harness	Lamp Data
C4T4VNCCDPEXP 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:** Upper Reflector: Clear anodized aluminum, 0.040" (16-ga.). Provides narrow beam optics ideal for general lighting. Also available in medium and wide beam, see C4T4VMEXP and C4T4VWEXP 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.

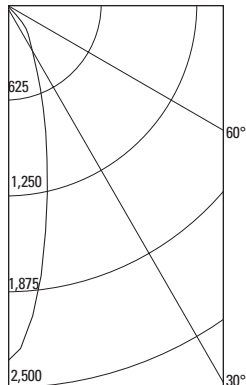


Job Information	Type:
<b>Job Name:</b>	
<b>Cat. No.:</b>	
<b>Lamp(s):</b>	
<b>Notes:</b>	

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710  
 We reserve the right to change details of design, materials and finish.  
 www.lightolier.com © 2008 Philips Group • A0808

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

#### CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	2340	
5	2039	189
10	1505	
15	1047	306
20	720	
25	490	237
30	351	
35	270	173
40	209	
45	96	79
50	6	
55	0	1
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	13228
55	32
65	8
75	0
85	0

#### 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	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%										
0	.69	.69	.69	.69	.67	.67	.64	.64	.62	.62	.58
1	.67	.65	.64	.63	.64	.62	.62	.60	.60	.58	.56
2	.64	.62	.60	.59	.61	.58	.59	.57	.58	.55	.54
3	.62	.59	.57	.55	.58	.55	.57	.54	.55	.53	.51
4	.60	.56	.54	.52	.56	.52	.54	.51	.53	.50	.49
5	.57	.54	.51	.49	.53	.49	.52	.48	.51	.48	.47
6	.55	.51	.49	.47	.51	.47	.50	.46	.49	.46	.45
7	.53	.49	.46	.44	.49	.44	.48	.44	.47	.44	.43
8	.51	.47	.44	.42	.46	.42	.46	.42	.45	.42	.41
9	.49	.45	.42	.40	.44	.40	.44	.40	.43	.40	.39
10	.47	.43	.40	.38	.42	.38	.42	.38	.42	.38	.37

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	732	43.09	74.35
0-40	905	53.24	91.87
0-60	985	57.95	100.0
0-90	985	57.95	100.0
40-90	80	4.71	8.13
60-90	0	0.0	0.0
90-180	0	0.0	0.0
0-180	985	57.95	100.00

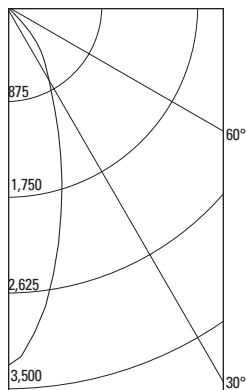
LUMINAIRE INPUT WATTS = 23

\*\* EFFICIENCY = 58.0% \*\*  
SC = 0.4

CERTIFIED TEST REPORT NO. 2401FR, DATE: DEC 22, 2003  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

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

#### CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	3301	
5	2998	281
10	2493	
15	1946	556
20	1462	
25	1061	506
30	788	
35	609	383
40	435	
45	185	158
50	10	
55	0	2
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	25548
55	0
65	0
75	0
85	0

#### 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	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%										
0	.68	.68	.68	.68	.67	.67	.64	.64	.61	.61	.57
1	.66	.64	.63	.62	.63	.61	.61	.59	.59	.58	.55
2	.63	.61	.59	.57	.60	.57	.58	.56	.57	.55	.53
3	.61	.58	.56	.54	.57	.53	.56	.52	.54	.52	.50
4	.58	.55	.52	.51	.54	.50	.53	.50	.52	.49	.48
5	.56	.52	.49	.47	.52	.47	.51	.47	.50	.46	.45
6	.54	.50	.47	.45	.49	.45	.49	.44	.48	.44	.43
7	.52	.47	.44	.42	.47	.42	.46	.42	.45	.42	.41
8	.50	.45	.42	.40	.44	.40	.44	.40	.43	.40	.39
9	.47	.43	.40	.38	.42	.38	.42	.37	.41	.37	.37
10	.45	.40	.38	.36	.40	.36	.40	.36	.39	.35	.35

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1343	40.71	71.2
0-40	1726	52.33	91.52
0-60	1886	57.17	100
0-90	1886	57.17	100
40-90	159	4.85	8.48
60-90	0	0	0
90-180	0	0	0
0-180	1886	57.17	100

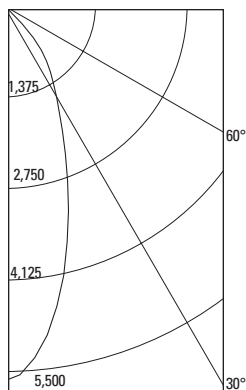
LUMINAIRE INPUT WATTS = 44

\*\* EFFICIENCY = 57.2% \*\*  
SC = 0.6

CERTIFIED TEST REPORT NO. 2400FR, DATE: DEC 22, 2003  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

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

#### CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	5645	
5	5314	498
10	4588	
15	3673	1044
20	2797	
25	2083	989
30	1582	
35	1220	770
40	878	
45	386	322
50	14	
55	0	3
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	53412
55	0
65	0
75	0
85	0

#### 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	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%										
0	.68	.68	.68	.68	.66	.66	.63	.63	.61	.61	.57
1	.65	.64	.63	.62	.63	.61	.60	.59	.58	.57	.54
2	.63	.60	.59	.57	.59	.56	.58	.55	.56	.54	.52
3	.60	.57	.55	.53	.56	.53	.55	.52	.54	.51	.49
4	.58	.54	.52	.50	.54	.49	.53	.49	.51	.48	.47
5	.55	.51	.49	.47	.51	.46	.50	.46	.49	.46	.44
6	.53	.49	.46	.44	.49	.44	.48	.44	.47	.43	.42
7	.51	.46	.43	.42	.46	.41	.45	.41	.45	.41	.40
8	.49	.44	.41	.39	.43	.39	.43	.39	.43	.39	.38
9	.46	.42	.39	.37	.41	.37	.41	.36	.40	.36	.36
10	.44	.39	.37	.35	.39	.35	.39	.34	.38	.34	.34

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2530	39.54	69.8
0-40	3299	51.56	91.02
0-60	3625	56.65	100
0-90	3625	56.65	100
40-90	325	5.09	8.98
60-90	0	0	0
90-180	0	0	0
0-180	3625	56.65	100

LUMINAIRE INPUT WATTS = 78

\*\* EFFICIENCY = 57.0% \*\*  
SC = 0.6

CERTIFIED TEST REPORT NO. 2397FR, DATE: DEC 18, 2003  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

#### Job Information Type:

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710  
We reserve the right to change details of design, materials and finish.  
www.lightolier.com © 2008 Philips Group • A0808