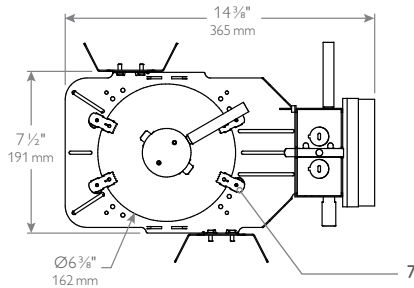
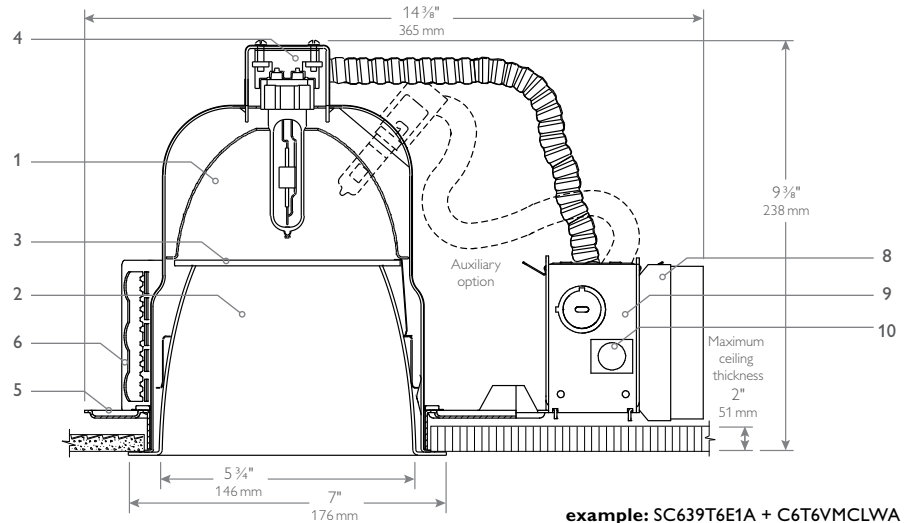


Project:	Catalog No:	Mfg:
Location:	Fixture Type:	Qty:
Notes:		Lamps:



Ceiling Cutout: 6 9/16" (167 mm) Dia.
Complete Fixture: Frame-In Kit + Reflector Trim.



example: SC639T6E1A + C6T6VMCLWA

Frame-In Kit Series	Lamp	Voltage	Option
SC6 Calculite 6" Steel Frame	15T6 150W T6 Ceramic Metal Halide	E1 120V	A Auxiliary ¹
	39T6 39W T6 Ceramic Metal Halide	E2 277V	
	70T6 70W T6 Ceramic Metal Halide	E1-347 347V	

Reflector Trim	Reflector	Flange	Options
C6T6VM Calculite HID Downlight	CL Clear	W White (painted)	A Auxiliary
	CCD Comfort Clear Diffuse	P Polished (matches aperture)	

1. For 120V only, consult factory for 277V. See Spec. Sheet "A-E".

Features

- Upper Reflector:** Clear anodized aluminum, 0.040" (16-ga.). Provides medium beam optics ideal for general lighting. Also available in narrow and wide beam, see C6T6VN and C6T6VV specification sheets.
- Lower Reflector:** Provides 50° visual cut-off to lamp and lamp image; self-flange in painted white or aperture-matching polished flange. Consult factory for other finishes.
- Lamp Shield:** High-temperature glass as required by code, captive during re-lamping. Light diffusion provides exceptionally smooth beam.
- Socket Cup:** Galvanized steel, pre-wired with socket. Snaps onto upper reflector for secure attachment without tools; assures proper lamp alignment to optics for consistent performance.
- Mounting Frame:** Galvanized stamped steel for dry or plaster ceilings.
- Mounting Brackets:** Galvanized steel. Adjustable through aperture. Use lathing channel (3/4" or 1 1/2"), 1/2" EMT, or optional mounting bars. See Options and Accessories for optional mounting bars.
- Retaining Springs:** Precision-tooled steel friction springs secure reflector to mounting frame for quick, tool-less installation.

- Ballast:** Snaps onto junction box without tools for inspection and ballast replacement, accessible from below.
- Junction Box:** galvanized steel. UL listed for 8 No. 12 AWG, 90°C through branch circuit conductors. Allows inspection from below.
- Thermal Protector:** (Not Shown) Meets NEC and UL requirements. Do not install insulation above nor within 3" (76mm) of any part of the luminaire.

Electrical

Electronic Ballast: 120 or 277V, 50/60 Hz., enclosed, high power factor, T.H.D. <15%, thermally and transient protected, RMI/RFI complies with FCC Part 18 non-consumer equipment, shut-down circuit at end of lamp life, sound rating "A", -5°F (-20°F for 150W) minimum starting temperature, Type 1 outdoor rating.

Ballast	ANSI Code	Voltage	Max. Current	Input Power
39W MH	M130	120/277	0.39/0.17 A	44 W
70W MH	M139	120/277	0.67/0.29 A	78 W
150W MH	M142	120/277	1.40/0.60 A	169/166 W

Options and Accessories

- 1950** 18" Mounting Bars (set of 2)
- 1951** 27" Mounting Bars (set of 2)
- 1956** Set of 4 for use with 18" or 27" mounting bars
- 7994** Adjustable Residential Mounting Bars
- Emergency lamp:** Consult Factory.
- Slope Ceiling Adapters:** See Spec Sheet SCA.
- Chicago Plenum:** Consult Factory.

Labels

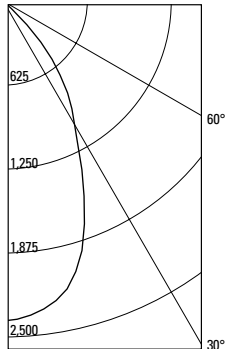
cULus (Suitable for Damp Locations), I.B.E.W.

In some cases, mark spacing may apply.

- 2ft spacing - SC639T6E1-347 and SC670T6E1-347
- 3ft spacing - SC615T6E1, SC615T6E1A, SC615T6E2, and SC615T6E1-347

39W T6 PHILIPS CMH LAMP, LUMEN RATING = 3400 LMS, AROMAT ELECTRONIC BALLAST, CL FINISH TRIM

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	2382	
5	2347	223
10	2285	
15	2086	581
20	1766	
25	1385	648
30	1062	
35	836	518
40	566	
45	248	209
50	20	
55	3	6
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	21639
55	301
65	5
75	19
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1452	42.71	66.44
0-40	1970	57.94	90.14
0-60	2185	64.28	99.89
0-90	2185	64.28	100
40-90	215	6.34	9.86
60-90	0	0	0.01
90-180	0	0	0
0-180	2185	64.28	100

Coefficients of Utilization

CEILING	80%				70%				50%				30%			
	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
WALL																
RCR	Zonal	Cavity	Method	- Effective	Floor	Cavity	Reflectance	= 20%								
0	.77	.77	.77	.77	.75	.75	.72	.72	.69	.69	.64					
1	.74	.72	.71	.69	.71	.68	.68	.66	.66	.64	.61					
2	.71	.68	.66	.64	.67	.63	.65	.62	.63	.61	.58					
3	.68	.64	.61	.59	.63	.59	.62	.58	.60	.57	.55					
4	.65	.61	.58	.55	.60	.55	.59	.54	.57	.54	.52					
5	.62	.57	.54	.52	.57	.51	.56	.51	.55	.50	.49					
6	.59	.54	.51	.49	.54	.48	.53	.48	.52	.48	.47					
7	.56	.51	.48	.45	.51	.45	.50	.45	.49	.45	.44					
8	.54	.48	.45	.42	.48	.42	.47	.42	.47	.42	.41					
9	.51	.46	.42	.40	.45	.40	.45	.39	.44	.39	.38					
10	.49	.43	.39	.37	.43	.37	.42	.37	.42	.37	.36					

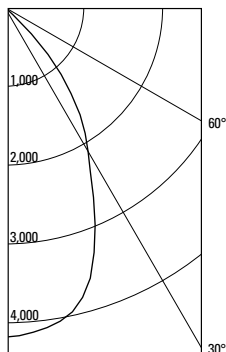
LUMINAIRE INPUT WATTS = 44

** EFFICIENCY = 64.3% **
SC = 0.9

CERTIFIED TEST REPORT NO. 2337FR, DATE: OCT 24, 2003
COMPUTED BY LSI PROGRAM **TEST-LITE**

70W T6 PHILIPS CMH LAMP, LUMEN RATING = 6600 LMS, AROMAT ELECTRONIC BALLAST, CL FINISH TRIM

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	4188	
5	4141	394
10	4047	
15	3813	1062
20	3312	
25	2684	1244
30	2115	
35	1667	1031
40	1114	
45	479	408
50	32	
55	3	8
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	40627
55	293
65	0
75	0
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2700	40.92	65.12
0-40	3731	56.53	89.97
0-60	4147	62.84	100
0-90	4147	62.84	100
40-90	416	6.3	10.03
60-90	0	0	0
90-180	0	0	0
0-180	4147	62.84	100

Coefficients of Utilization

CEILING	80%				70%				50%				30%			
	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
WALL																
RCR	Zonal	Cavity	Method	- Effective	Floor	Cavity	Reflectance	= 20%								
0	.76	.76	.76	.76	.74	.74	.70	.70	.67	.67	.63					
1	.72	.71	.69	.68	.70	.67	.67	.65	.65	.63	.60					
2	.69	.67	.65	.62	.66	.62	.63	.60	.62	.59	.57					
3	.66	.63	.60	.58	.62	.57	.60	.57	.59	.56	.54					
4	.64	.59	.56	.54	.59	.54	.57	.53	.56	.52	.51					
5	.61	.56	.53	.50	.55	.50	.54	.50	.53	.49	.48					
6	.58	.53	.50	.47	.52	.47	.51	.47	.51	.46	.45					
7	.55	.50	.46	.44	.49	.44	.49	.44	.48	.43	.42					
8	.53	.47	.43	.41	.46	.41	.46	.41	.45	.41	.40					
9	.50	.44	.41	.38	.44	.38	.43	.38	.43	.38	.37					
10	.47	.41	.38	.36	.41	.36	.41	.35	.40	.35	.34					

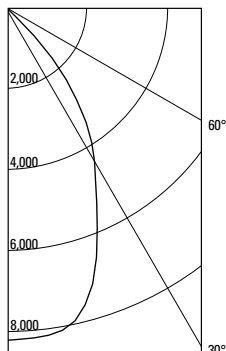
LUMINAIRE INPUT WATTS = 78

** EFFICIENCY = 62.8% **
SC = 0.9

CERTIFIED TEST REPORT NO. 2335FR, DATE: OCT 14, 2003
COMPUTED BY LSI PROGRAM **TEST-LITE**

150W T6 PHILIPS CMH LAMP, LUMEN RATING = 14000 LMS, AROMAT ELECTRONIC BALLAST, CL FINISH TRIM

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMENS
0	8225	
5	8192	780
10	8097	
15	7601	2116
20	6568	
25	5331	2503
30	4397	
35	3473	2148
40	2333	
45	1004	856
50	77	
55	7	20
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	85101
55	731
65	0
75	0
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	5399	38.57	64.1
0-40	7547	53.91	89.6
0-60	8423	60.17	100
0-90	8423	60.17	100
40-90	875	6.26	10.4
60-90	0	0	0
90-180	0	0	0
0-180	8423	60.17	100

Coefficients of Utilization

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

LUMINAIRE INPUT WATTS = 167

** EFFICIENCY = 60.2% **
SC = 0.9

CERTIFIED TEST REPORT NO. 2332FR, DATE: OCT 13, 2003
COMPUTED BY LSI PROGRAM **TEST-LITE**



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