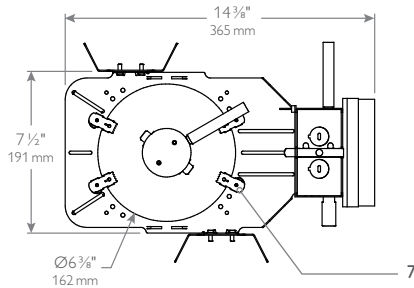
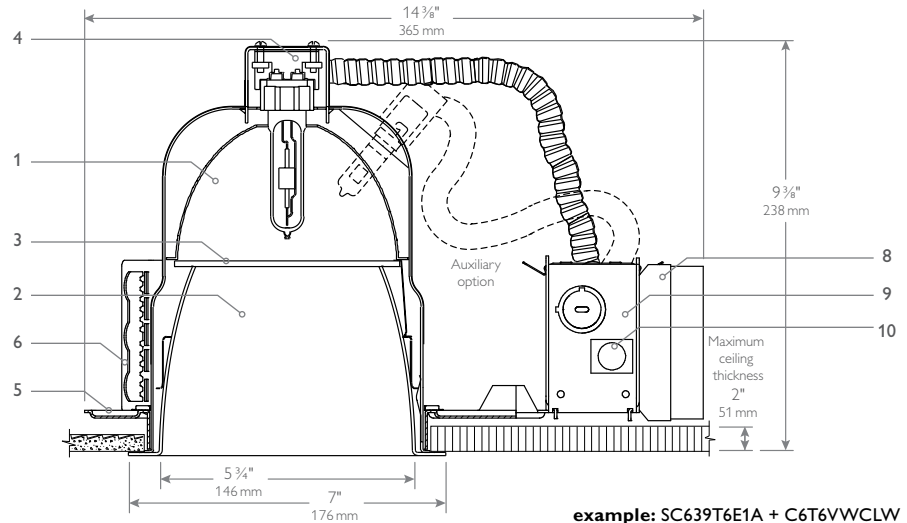


Project:	Catalog No:	Mfg:
Location:	Fixture Type:	Qty:
Notes:		Lamps:



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



example: SC639T6E1A + C6T6VWCLW

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
C6T6VW Calculite HID Downlight	CL Clear	W White (painted)	A Auxiliary ²
	CCD Comfort Clear Diffuse	P Polished (matches aperture)	

1. For 120V only, consult factory for 277V. See Spec. Sheet "A-E". 2. Not available with Comfort Clear Diffuse reflector (CCD) with a White flange (W).

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 C6T6VN and C6T6VM 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

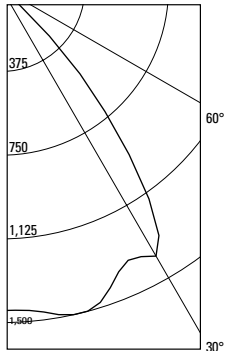
- 1950** 18" Mounting Bars (set of 2)
- 1951** 27" Mounting Bars (set of 2)
- 1956** Set of 4 for use with 18" or 27" mounting bars
- 7994** Adjustable Residential Mounting Bars
- Emergency lamp:** Consult Factory.
- Slope Ceiling Adapters:** See Spec Sheet SCA.
- Chicago Plenum:** Consult Factory.

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	1448	
5	1453	139
10	1489	
15	1502	420
20	1431	
25	1349	638
30	1390	
35	1157	695
40	726	
45	308	264
50	24	
55	3	7
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

LUMINANCE SUMMARY CD. / SQ. M.

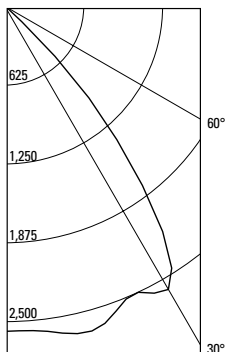
ANGLE	MEAN CD/SQ M
45	2687
55	338
65	0
75	0
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1197	35.22	55.34
0-40	1893	55.68	87.47
0-60	2164	63.65	100
0-90	2164	63.65	100
40-90	271	7.97	12.53
60-90	0	0	0
90-180	0	0	0
0-180	2164	63.65	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	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%															
RCR																
0	.76	.76	.76	.76	.74	.74	.71	.71	.68	.68	.64					
1	.73	.71	.70	.68	.70	.67	.67	.65	.65	.63	.60					
2	.70	.67	.64	.62	.66	.62	.63	.60	.62	.59	.57					
3	.66	.62	.59	.57	.61	.56	.60	.56	.58	.55	.53					
4	.63	.58	.55	.53	.58	.52	.56	.52	.55	.51	.49					
5	.60	.55	.51	.48	.54	.48	.53	.48	.52	.47	.46					
6	.57	.51	.47	.45	.51	.44	.50	.44	.49	.44	.43					
7	.53	.48	.44	.41	.47	.41	.46	.41	.45	.40	.39					
8	.50	.44	.40	.38	.44	.37	.43	.37	.42	.37	.36					
9	.47	.41	.37	.34	.41	.34	.40	.34	.39	.34	.33					
10	.44	.38	.34	.31	.38	.31	.37	.31	.37	.31	.30					

LUMINAIRE INPUT WATTS = 44

** EFFICIENCY = 63.7% **
SC = 1.2CERTIFIED TEST REPORT NO. 2327FR, DATE: OCT 25, 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	2579	
5	2582	248
10	2633	
15	2667	747
20	2575	
25	2503	1177
30	2594	
35	2181	1309
40	1382	
45	564	495
50	45	
55	8	14
60	2	
65	0	1
70	0	
75	0	0
80	0	
85	0	0
90	0	

LUMINANCE SUMMARY CD. / SQ. M.

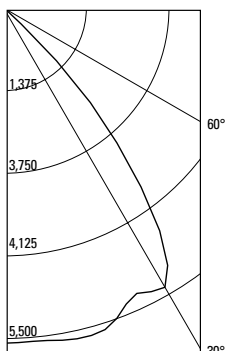
ANGLE	MEAN CD/SQ M
45	47753
55	792
65	11
75	0
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2172	32.91	54.43
0-40	3481	52.75	87.24
0-60	3990	60.46	99.88
0-90	3990	60.47	100
40-90	509	7.72	12.76
60-90	0	0.01	0.02
90-180	0	0	0
0-180	3990	60.47	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	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%															
RCR																
0	.72	.72	.72	.72	.71	.71	.67	.67	.65	.65	.61					
1	.69	.67	.66	.65	.66	.64	.64	.62	.61	.60	.57					
2	.66	.63	.61	.59	.62	.58	.60	.57	.58	.56	.54					
3	.63	.59	.56	.54	.58	.53	.57	.53	.55	.52	.50					
4	.60	.55	.52	.50	.55	.49	.53	.49	.52	.48	.47					
5	.56	.52	.48	.45	.51	.45	.50	.45	.49	.44	.43					
6	.54	.48	.45	.42	.48	.42	.47	.42	.46	.41	.40					
7	.50	.45	.41	.39	.44	.38	.44	.38	.43	.38	.37					
8	.48	.42	.38	.35	.41	.35	.41	.35	.40	.35	.34					
9	.45	.39	.35	.32	.38	.32	.38	.32	.37	.32	.31					
10	.42	.36	.32	.29	.35	.29	.35	.29	.34	.29	.28					

LUMINAIRE INPUT WATTS = 78

** EFFICIENCY = 60.5% **
SC = 1.2CERTIFIED TEST REPORT NO. 2323FR, DATE: OCT 04, 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	5583	
5	5573	533
10	5619	
15	5646	1588
20	5503	
25	5245	2472
30	5370	
35	4530	2727
40	2936	
45	1247	1071
50	102	
55	17	32
60	7	
65	1	2
70	0	
75	0	0
80	0	
85	0	0
90	0	

LUMINANCE SUMMARY CD. / SQ. M.

ANGLE	MEAN CD/SQ M
45	105687
55	1783
65	209
75	0
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	4593	32.81	54.51
0-40	7321	52.29	86.88
0-60	8424	60.17	99.97
0-90	8426	60.19	100
40-90	1105	7.9	13.12
60-90	2	0.02	0.03
90-180	0	0	0
0-180	8426	60.19	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	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%															
RCR																
0	.72	.72	.72	.72	.70	.70	.67	.67	.64	.64	.60					
1	.69	.67	.66	.64	.66	.63	.63	.61	.61	.59	.57					
2	.65	.63	.61	.58	.62	.58	.60	.57	.58	.55	.53					
3	.62	.58	.56	.53	.58	.53	.56	.52	.55	.51	.50					
4	.59	.55	.52	.49	.54	.49	.53	.48	.52	.48	.46					
5	.56	.51	.48	.45	.51	.45	.50	.45	.49	.44	.43					
6	.53	.48	.44	.42	.47	.42	.47	.41	.46	.41	.40					
7	.50	.45	.41	.38	.44	.38	.43	.38	.43	.38	.37					
8	.47	.41	.38	.35	.41	.35	.40	.35	.40	.35	.34					
9	.44	.38	.35	.32	.38	.32	.37	.32	.37	.32	.31					
10	.42	.35	.32	.29	.35	.29	.35	.29	.34	.29	.28					

LUMINAIRE INPUT WATTS = 167

** EFFICIENCY = 60.2% **
SC = 1.25CERTIFIED TEST REPORT NO. 2330FR, DATE: OCT 07, 2003
COMPUTED BY LSI PROGRAM **TEST-LITE**

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C6T6VW 02/15

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