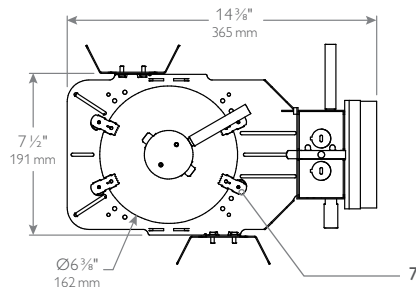
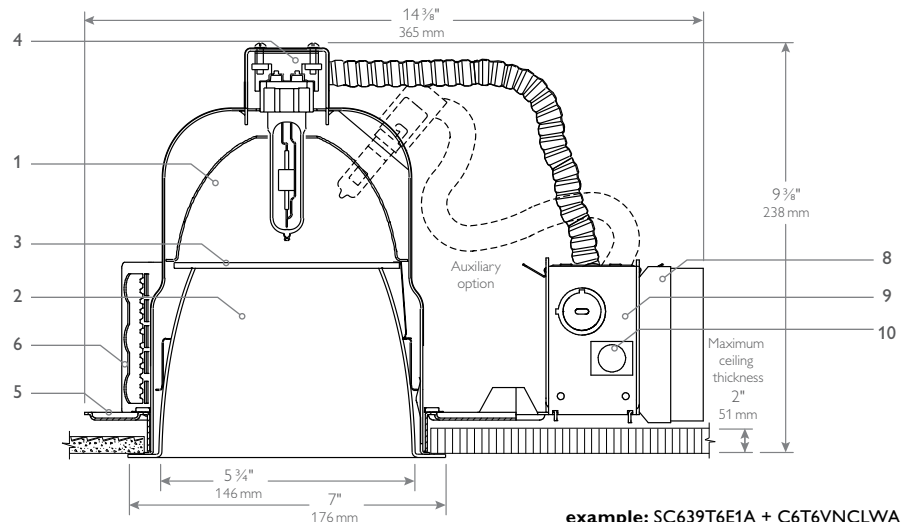


Project:	Catalog No:	Mfg:
Location:	Fixture Type:	Qty:
Notes:		Lamps:



Ceiling Cutout: 6 9/16" (162 mm) Dia.
Complete Fixture: Frame-In Kit + Reflector Trim.



example: SC639T6E1A + C6T6VNCLWA

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
C6T6VN 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 narrow beam optics ideal for high ceilings. Also available in medium and wide beam, see C6T6VM and C6T6VW 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

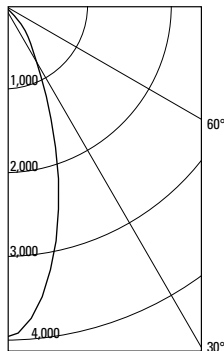
- 1950** 18" Mounting Bars (set of 2)
- 1951** 27" Mounting Bars (set of 2)
- 1956** Set of 4 for use with 18" or 27" mounting bars
- 7994** Adjustable Residential Mounting Bars
- Emergency lamp:** Consult Factory.
- Slope Ceiling Adapters:** See Spec Sheet SCA.
- Chicago Plenum:** Consult Factory.

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 METAL HALIDE LAMP. LUMEN RATING = 3400 LMS. AROMAT ELECTRONIC BALLAST, CL Finish**CANDLEPOWER DISTRIBUTION**

ANGLE	MEAN CP	LUMENS
0	3984	
5	3765	352
10	3218	
15	2533	716
20	1816	
25	1212	583
30	795	
35	570	368
40	407	
45	189	155
50	14	
55	2	4
60	0	
65	0	0
70	0	
75	1	1
80	0	
85	0	0
90	0	

LUMINANCE SUMMARY

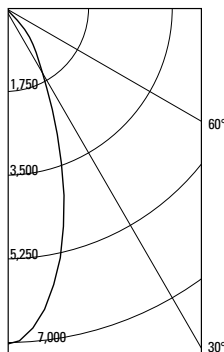
ANGLE	CD./SQ. M.
45	16034
55	175
65	0
75	162
85	0

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1650	48.53	75.77
0-40	2017	59.35	92.67
0-60	2176	64.02	99.86
0-90	2177	64.05	100.00
40-90	159	4.70	7.33
60-90	0	.02	.04
90-180	0	.00	.00
0-180	2177	64.05	100.00

Coefficients of Utilization

CEILING	80%				70%				50%				30%			
WALL	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%															
0	.76	.76	.76	.76	.74	.74	.71	.71	.68	.68	.68	.68	.68	.68	.68	.64
1	.73	.72	.71	.70	.71	.68	.68	.66	.65	.63	.63	.61	.59	.58	.57	.57
2	.71	.68	.66	.65	.67	.64	.65	.63	.63	.61	.59	.58	.56	.54	.53	.52
3	.68	.65	.63	.61	.64	.60	.63	.59	.57	.55	.51	.55	.51	.50	.48	.47
4	.66	.62	.59	.57	.61	.57	.60	.56	.53	.51	.46	.51	.46	.45	.44	.43
5	.63	.59	.56	.54	.59	.54	.57	.53	.51	.46	.44	.48	.44	.43	.42	.41
6	.61	.57	.54	.52	.56	.51	.55	.51	.48	.44	.42	.46	.42	.41	.40	.39
7	.59	.54	.51	.49	.54	.49	.53	.49	.46	.44	.42	.46	.42	.41	.40	.39
8	.57	.52	.49	.47	.51	.46	.51	.46	.44	.42	.40	.44	.40	.39	.38	.37
9	.54	.49	.46	.44	.49	.44	.48	.44	.42	.40	.38	.42	.38	.37	.36	.35
10	.52	.47	.44	.42	.47	.42	.46	.42	.40	.38	.36	.40	.36	.35	.34	.33

LUMINAIRE INPUT WATTS = 44

** EFFICIENCY = 64.0% **
SC = 0.6CERTIFIED TEST REPORT NO. 2336FR, DATE: OCT 24, 2003
COMPUTED BY LSI PROGRAM **TEST-LITE****70W T6 PHILIPS METAL HALIDE LAMP. LUMEN RATING = 6600 LMS. AROMAT ELECTRONIC BALLAST, CL Finish****CANDLEPOWER DISTRIBUTION**

ANGLE	MEAN CP	LUMENS
0	7054	
5	6730	630
10	5887	
15	4740	1334
20	3463	
25	2357	1129
30	1584	
35	1148	737
40	812	
45	377	310
50	33	
55	7	11
60	4	
65	2	2
70	0	
75	0	0
80	0	
85	0	0
90	0	

LUMINANCE SUMMARY

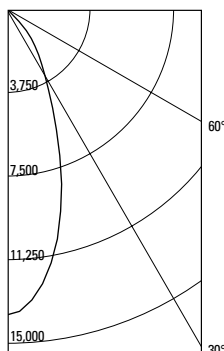
ANGLE	CD./SQ. M.
45	31949
55	688
65	350
75	0
85	0

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	3093	46.88	74.48
0-40	3630	55.04	92.22
0-60	4151	62.91	99.85
0-90	4153	62.94	100.00
40-90	323	4.89	7.78
60-90	2	.03	.05
90-180	0	.00	.00
0-180	4153	62.94	100.00

Coefficients of Utilization

CEILING	80%				70%				50%				30%			
WALL	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%															
0	.75	.75	.75	.75	.73	.73	.70	.70	.67	.67	.67	.67	.67	.67	.67	.63
1	.72	.71	.69	.68	.70	.67	.67	.65	.64	.61	.62	.60	.58	.57	.56	.55
2	.69	.67	.65	.63	.66	.63	.64	.61	.61	.58	.60	.57	.55	.54	.53	.52
3	.67	.64	.61	.59	.63	.59	.61	.56	.59	.55	.58	.54	.53	.52	.51	.50
4	.64	.61	.58	.56	.60	.56	.59	.55	.58	.54	.57	.53	.52	.51	.50	.49
5	.62	.58	.55	.53	.57	.52	.56	.52	.55	.51	.54	.50	.49	.48	.47	.46
6	.60	.55	.52	.50	.55	.50	.54	.50	.53	.49	.52	.48	.47	.46	.45	.44
7	.57	.53	.50	.48	.52	.47	.51	.47	.50	.46	.49	.45	.44	.43	.42	.41
8	.55	.50	.47	.45	.50	.45	.49	.45	.48	.44	.47	.43	.42	.41	.40	.39
9	.53	.48	.45	.43	.47	.43	.47	.43	.46	.42	.45	.41	.40	.39	.38	.37
10	.51	.46	.43	.40	.45	.40	.45	.40	.44	.40	.43	.39	.38	.37	.36	.35

LUMINAIRE INPUT WATTS = 78

** EFFICIENCY = 62.9% **
SC = 0.6CERTIFIED TEST REPORT NO. 2334FR, DATE: OCT 14, 2003
COMPUTED BY LSI PROGRAM **TEST-LITE****150W T6 PHILIPS METAL HALIDE LAMP. LUMEN RATING = 14000 LMS. AROMAT ELECTRONIC BALLAST, CL Finish****CANDLEPOWER DISTRIBUTION**

ANGLE	MEAN CP	LUMENS
0	13758	
5	13134	1232
10	11593	
15	9424	2655
20	7028	
25	4935	2359
30	3491	
35	2551	1627
40	1766	
45	816	671
50	70	
55	12	22
60	4	
65	7	5
70	3	
75	1	2
80	0	
85	0	0
90	0	

LUMINANCE SUMMARY

ANGLE	CD./SQ. M.
45	69119
55	1223
65	1001
75	344
85	0

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	6246	44.62	72.86
0-40	7873	56.24	91.83
0-60	8566	61.19	99.92
0-90	8573	61.24	100.00
40-90	708	5.00	8.17
60-90	6	.05	.08
90-180	0	.00	.00
0-180	8573	61.24	100.00

Coefficients of Utilization

CEILING	80%				70%				50%				30%			
WALL	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%															
0	.73	.73	.73	.73	.71	.71	.68	.68	.65	.65	.65	.65	.65	.65	.65	.61
1	.70	.69	.67	.66	.68	.65	.65	.63	.63	.61	.62	.59	.58	.56	.55	.54
2	.67	.65	.63	.61	.64	.61	.62	.59	.60	.57	.59	.56	.55	.54	.53	.52
3	.65	.62	.59	.57	.61	.57	.59	.56	.58	.54	.57	.53	.52	.51	.50	.49
4	.62	.59	.56	.54	.58	.54	.57	.53	.56	.52	.55	.51	.50	.49	.48	.47
5	.60	.56	.53	.51	.55	.51	.54	.50	.53	.49	.52	.48	.47	.46	.45	.44
6	.58	.53	.50	.48	.53	.48	.52	.48	.51	.47	.50	.46	.45	.44	.43	.42
7	.55	.51	.48	.46	.50	.45	.49	.45	.48	.44	.47	.43	.42	.41	.40	.39
8	.53	.48	.45	.43	.48	.43	.47	.43	.46	.42	.45	.41	.40	.39	.38	.37
9	.51	.46	.43	.41	.46	.41	.45	.41	.44	.40	.43	.39	.38	.37	.36	.35
10	.49	.44	.41	.39	.43	.39	.43	.38	.42	.38	.41	.37	.36	.35	.34	.33

LUMINAIRE INPUT WATTS = 167

** EFFICIENCY = 61.2% **
SC = 0.7CERTIFIED TEST REPORT NO. 2333FR, DATE: OCT 13, 2003
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