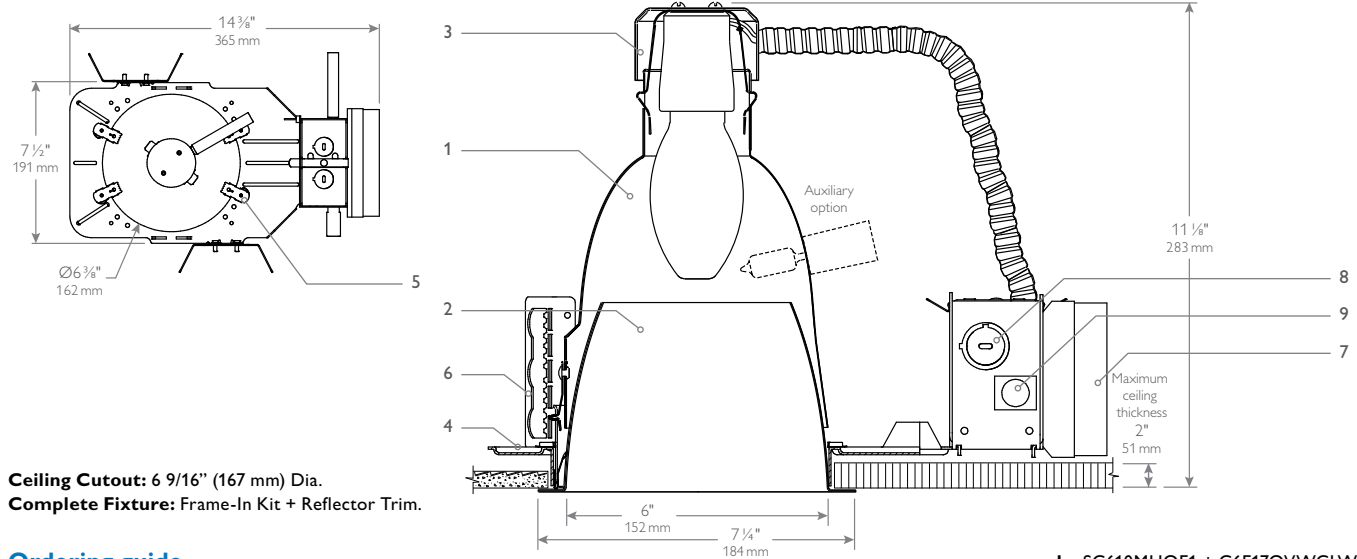


Calculite HID 6", ED17 (Open Rated), Ceramic Metal Halide, Wide Beam

Page 1 of 2

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



Ordering guide

example: SC610MHOE1 + C6E17OVWCLW

Frame-In Kit Series	Lamp (Coated, Ceramic Metal Halide)	Voltage	Fuse
SC6 Calculite 6" Steel Frame	10MHO 100W, E17, ED17, BD17 (Open Rated)	E1 120V E2 277V U Universal	A Auxiliary ¹
	70MHO 70W, E17, ED17, B17, (Open Rated)	E1 120V E2 277V E1-347 347V U Universal	A Auxiliary ² -F3 Fuse ³
Reflector Trim	Reflector	Flange	Options
C6E17OVW Calculite HID Downlight	CL Clear	W White (painted)	A Auxiliary ⁴
	CCD Comfort Clear Diffuse	P Polished (matches aperture)	

1. Only available with Universal voltage.

3. Fuse is only used with 347V.

2. For 120V or universal voltage, consult factory for 277V. See spec. sheet "A-E".

4. Available with Clear reflector (CL) with Polished flange (P). Consult factory for other options.

Features

- Aperture Cone:** Clear anodized aluminum, 0.040" (16-ga.).
- Lower Reflector:** Provides 55° visual cutoff to lamp image; self-flange in painted white or aperture matching polished flange. Consult factory for other finishes.
- 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.
- Retaining Springs:** Precision-tooled steel friction springs secure reflector to mounting frame for quick, tool-less installation.
- 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.

- Ballast:** Electronic 120V or 277V. Accessible from below for inspection and/or replacement without tools.
- Junction Box:** galvanized steel. UL listed for 8 No. 12 AWG, 90°C through branch circuit conductors; allows inspection from below.
- Thermal Protector:** Meets NEC and UL requirements. Do not install insulation above nor within 3" (76mm) of any part of the luminaire.

Electrical

Electronic Ballast: 120V or 277V, 50/60 Hz., encased, 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 minimum starting temperature, Type 1 outdoor rating.

Ballast	ANSI Code	Voltage	Max. Current	Input Power
70W MH	M98/M139	120/277	0.67/0.29 A	78 W
100W MH	M90/M140	120/277	0.90/0.43 A	110 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

UL (Suitable for Damp Locations), CSA, I.B.E.W.
 In some cases, mark spacing may apply.

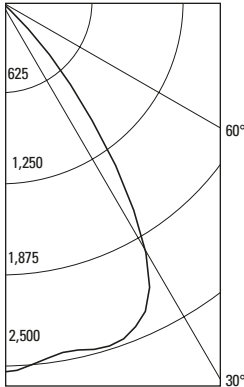
- 2ft spacing - SC670MHOE1-347
- SC670MHOE1-347-F3
- SC610MHOE1-347

Calculite HID 6", ED17 (Open Rated), Ceramic Metal Halide, Wide Beam

Page 2 of 2

70W ED17 PHILIPS COATED METAL HALIDE LAMP-3K. LUMEN RATING = 5700 LMS, ELECTRONIC AROMAT BALLAST, CL FINISH REFLECTOR

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMS.	LUMINANCE SUMMARY - CD. / SQ. M.
0	2543		
5	2498	238	
10	2444		
15	2470	698	
20	2462		
25	2345	1058	
30	1990		
35	1373	860	
40	742		
45	264	249	
50	19		
55	3	6	
60	1		
65	0	0	
70	0		
75	0	0	
80	0		
85	0	0	
90	0		

ANGLE	MEAN CD/SQ. M
45	20520
55	307
65	0
75	0
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1993	34.98	64.12
0-40	2854	50.07	91.78
0-60	3109	54.55	99.99
0-90	3109	54.56	100.00
40-90	255	4.48	8.22
60-90	0	0	0.01
90-180	0	0	0
0-180	3109	54.56	100.00

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	.65	.65	.65	.65	.63	.63	.61	.61	.58	.58	.55	.55	.58	.58	.55	.55
1	.62	.61	.60	.59	.60	.58	.58	.56	.56	.54	.52	.51	.54	.54	.52	.51
2	.60	.57	.55	.54	.56	.53	.55	.52	.53	.51	.49	.48	.51	.49	.47	.46
3	.57	.54	.52	.50	.53	.49	.52	.49	.51	.48	.46	.45	.48	.45	.44	.43
4	.55	.51	.48	.46	.50	.46	.49	.45	.48	.45	.44	.43	.46	.43	.42	.41
5	.52	.48	.45	.43	.47	.43	.46	.42	.44	.40	.43	.40	.43	.40	.39	.38
6	.50	.45	.42	.40	.45	.40	.44	.40	.43	.39	.39	.37	.41	.37	.36	.35
7	.47	.43	.40	.38	.42	.37	.41	.37	.41	.37	.39	.35	.39	.35	.34	.33
8	.45	.40	.37	.35	.40	.35	.39	.35	.39	.35	.37	.32	.37	.32	.31	.30
9	.42	.37	.34	.32	.37	.32	.37	.32	.37	.32	.36	.32	.36	.32	.31	.30
10	.40	.35	.32	.30	.35	.30	.34	.30	.34	.30	.34	.30	.34	.30	.29	.28

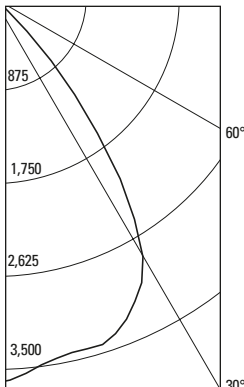
LUMINAIRE INPUT WATTS = 78

** EFFICIENCY = 54.6%
SC = 1.0

CERTIFIED TEST REPORT NO. 2540FR, DATE: NOV 8, 2003
S/MH = 1.2
COMPUTED BY LSI PROGRAM **TEST-LITE**

100W ED17 PHILIPS COATED METAL HALIDE LAMP-3K LUMEN RATING = 8500 LMS. ELECTRONIC BALLAST, CL FINISH REFLECTOR

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMS.	LUMINANCE SUMMARY - CD. / SQ. M.
0	36	30	
5	3549	338	
10	3446		
15	3421	968	
20	3365		
25	3154	1445	
30	2817		
35	2083	1284	
40	1192		
45	448	417	
50	68		
55	19	25	
60	8		
65	5	5	
70	2		
75	0	1	
80	0		
85	0	0	
90	0		

ANGLE	MEAN CD/SQ. M
45	34835
55	1782
65	658
75	0
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2751	32.37	61.37
0-40	4034	47.47	90.01
0-60	4477	52.67	99.88
0-90	4482	52.74	100
40-90	447	5.27	9.99
60-90	5	0.06	0.12
90-180	0	0	0
0-180	4482	52.74	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	.63	.63	.63	.63	.61	.61	.59	.59	.56	.56	.53	.53	.56	.56	.53	.53
1	.60	.59	.58	.56	.58	.56	.55	.54	.54	.52	.51	.49	.54	.52	.50	.49
2	.57	.55	.53	.52	.54	.51	.53	.50	.51	.49	.47	.46	.51	.49	.47	.46
3	.55	.52	.50	.48	.51	.47	.50	.47	.49	.46	.44	.43	.49	.46	.44	.43
4	.52	.49	.46	.44	.48	.44	.47	.43	.46	.43	.42	.41	.46	.43	.42	.41
5	.50	.46	.43	.41	.45	.41	.44	.40	.44	.40	.39	.38	.44	.40	.39	.38
6	.48	.43	.40	.38	.43	.38	.42	.38	.41	.38	.37	.36	.41	.38	.37	.36
7	.45	.40	.38	.35	.40	.35	.39	.35	.39	.35	.37	.32	.39	.35	.34	.33
8	.43	.38	.35	.33	.37	.33	.37	.33	.37	.33	.37	.32	.37	.32	.31	.30
9	.40	.35	.32	.30	.35	.30	.35	.30	.35	.30	.34	.30	.34	.30	.29	.28
10	.38	.33	.30	.28	.33	.28	.32	.28	.32	.28	.32	.28	.32	.28	.27	.26

LUMINAIRE INPUT WATTS = 110

** EFFICIENCY = 52.7% **
SC = 1.1

CERTIFIED TEST REPORT NO. 2338FR, DATE: OCT 19, 2003
S/MH = 1.2
COMPUTED BY LSI PROGRAM **TEST-LITE**



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