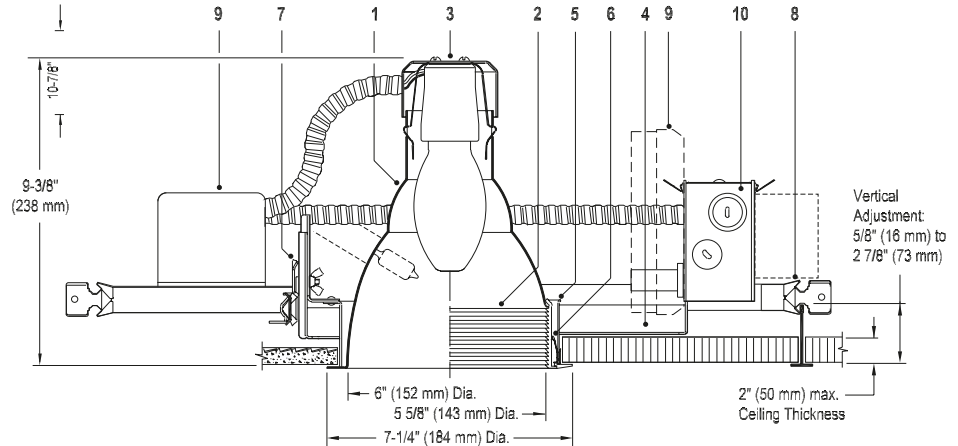
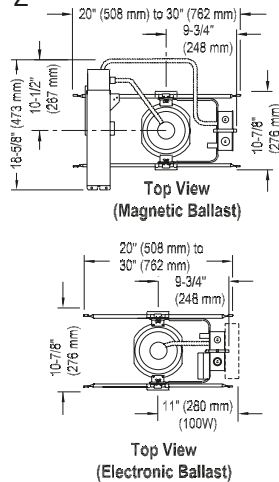




Ceiling Cutout: 6 9/16" (167 mm) Dia.

Reflector Trim		Frame-In Kit	Lamp (Coated, Ceramic, MH)
C6E170VM CLW	Specular Clear, White Painted Flange.	C670MHOE1 Electronic, 120V	70W E17, ED17, BD17 (Open Rated)
CLP	Specular Clear, Matching Flange.	C670MHOE2 Electronic, 277V	70W E17, ED17, BD17 (Open Rated)
CCDW	Comfort Clear Diffuse, White Painted Flange.	C610MHOE1 Electronic, 120V	100W E17, ED17, BD17 (Open Rated)
CCDP	Comfort Clear Diffuse, Matching Flange.	C610MHOE2 Electronic, 277V	100W E17, ED17, BD17 (Open Rated)
CCZW	Champagne Bronze, White Painted Flange.	C670MHOE1 Electronic, 120V	70W E17, ED17, BD17 (Open Rated)
CCZP	Champagne Bronze, Matching Flange.	C670MHOE2 Electronic, 277V	70W E17, ED17, BD17 (Open Rated)
MG	Multi-Groove, White Trim Ring	C670MHOE1 Electronic, 120V	70W E17, ED17, BD17 (Open Rated)
		C670MHOE2 Electronic, 277V	70W E17, ED17, BD17 (Open Rated)
		C670MHOE1 Electronic, 120V	100W E17, ED17, BD17 (Open Rated)
		C670MHOE2 Electronic, 277V	100W E17, ED17, BD17 (Open Rated)
		C670MHOE1 Electronic, 120V	70W E17, ED17, BD17 (Open Rated)
		C670MHOE2 Electronic, 277V	70W E17, ED17, BD17 (Open Rated)
		C670MHOE1 Electronic, 120V	100W E17, ED17, BD17 (Open Rated)
		C670MHOE2 Electronic, 277V	100W E17, ED17, BD17 (Open Rated)

Features

- Upper Reflector:** Clear anodized aluminum, 0.040" (16-ga.). Provides wide beam distribution.
- Multi-Groove Baffle:** One piece seamless aluminum. Sharply detailed concentric rings, black finish. Permanently fastened to specular clear reflector.
- Socket Cup:** Galvanized steel, pre-wired with medium base pulse rated socket. Snaps onto upper reflector for secure attachment without tools; unitized construction assures proper lamp alignment to optics for consistent performance.
- Mounting Frame:** 0.048" (18-ga.) galvanized steel includes pre-installed mounting bars.
- Mounting Ring:** 0.048" (18-ga.) galvanized steel. Designed for vertical adjustment from above or below for ceilings from 0" to 2" thick. Center-line notches allow consistent alignment of multiple fixtures.
- Retention Springs:** Rust resistant springs secure reflector in place for quick, tool-less installation.
- Frame Vertical Adjustment Mechanism:** Vertical adjustment mechanism accommodates mounting to virtually any ceiling system using pre-installed mounting bars, or 1/2" EMT tubing (by others). Single locking feature secures all adjustments. Alignment holes and markings allow fixture to be pre-set prior to installation.
- Mounting Bars:** 0.048" (18-ga.) Pre-installed, telescoping bars extend to 30" long and lock securely into position. Built-in locking tabs provide positive attachment to common T-bar systems. Self-centering feature simplifies installation in 24" O.C. grid systems. Attaches to steel or wood joists without accessories.
- Ballast:** Electronic 120V or 277V. Magnetic dual voltage (120V & 277V). Accessible from below for inspection and/or replacement without tools.
- Junction Box:** 0.048" (18-ga.) 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: 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.

Electrical (cont.)

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

Magnetic Ballast: 120/277V dual voltage, 60 Hz., encased and potted, HX-HPF circuit type, high power factor, sound rating "B", -20°F minimum starting temperature, Type 1 Outdoor rating.

Ballast	ANSI Code	Voltage	Max. Amps	Input Watts
70W MH	M98/M143	120/277	1.90/0.80	94
100W MH	M90/M140	120/277	0.90/0.43	125

Options and Accessories

Auxiliary: Add suffix **A** to Frame-In Kit and Reflector Trim. See Spec. Sheet "A/E".

Emergency Lamp: Add suffix **E** to FIK and Reflector Trim. See Spec. Sheet "A/E".

Slope Ceiling Adapters: See Specification Sheet SCA.

Fuse (magnetic ballast): Add suffix **F1** or **F2** to FIK (F1=120V F2=277V)

Chicago Plenum: Consult Factory.

Labels

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

For 100W Electronic, install fixtures with minimum spacing: 2 feet from center-to-center of adjacent luminaires; 1/2 inch from top of luminaire to overhead building member; 1 foot from luminaire center to side building member.

Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

Lightolier a Genlyte Thomas Company

www.lightolier.com

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.

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LIGHTOLIER®



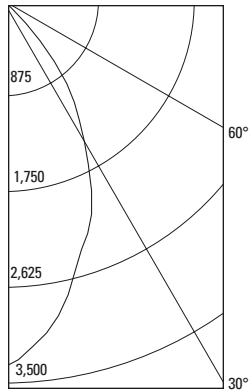
Calculite® HID Downlight C6E170VM

Page 2 of 2

6" Aperture, ED17 (Open Rated), Ceramic Metal Halide, Medium Beam

70W ED17 PHILIPS CMH OPEN RATED LAMP-3K, LUMEN RATING = 5700 LMS, ELECTRONIC AROMAT BALLAST, CL FINISH REFLECTOR

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMS.
0	3361	
5	3175	302
10	2929	
15	2559	731
20	2269	
25	1920	879
30	1491	
35	1140	708
40	735	
45	294	262
50	30	
55	5	9
60	2	
65	1	1
70	0	
75	0	0
80	0	
85	0	0
90	0	

LUMINANCE SUMMARY - CD. / SQ. M.

ANGLE	MEAN CD/SQ M
45	22918
55	439
65	88
75	72
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1911	33.54	66.1
0-40	2619	45.96	90.57
0-60	2891	50.72	99.95
0-90	2892	50.74	100
40-90	272	4.78	9.43
60-90	1	0.02	0.05
90-180	0	0	0
0-180	2892	50.74	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	.60	.60	.60	.60	.59	.59	.56	.56	.54	.54	.51	.51	.51	.51	.51	.51
1	.58	.57	.56	.55	.56	.54	.54	.52	.52	.51	.49	.48	.48	.48	.48	.48
2	.56	.54	.52	.50	.53	.50	.51	.49	.50	.48	.46	.45	.45	.45	.45	.45
3	.53	.50	.48	.47	.50	.46	.49	.46	.47	.45	.44	.43	.43	.43	.43	.43
4	.51	.48	.45	.44	.47	.43	.46	.43	.45	.42	.41	.41	.41	.41	.41	.41
5	.49	.45	.42	.41	.45	.40	.44	.40	.43	.40	.39	.39	.39	.39	.39	.39
6	.47	.43	.40	.38	.42	.38	.42	.38	.41	.37	.37	.37	.37	.37	.37	.37
7	.44	.40	.38	.36	.40	.35	.39	.35	.39	.35	.34	.34	.34	.34	.34	.34
8	.42	.38	.35	.33	.38	.33	.37	.33	.37	.33	.32	.32	.32	.32	.32	.32
9	.40	.36	.33	.31	.35	.31	.35	.31	.35	.31	.30	.30	.30	.30	.30	.30
10	.38	.34	.31	.29	.33	.29	.33	.29	.33	.29	.28	.28	.28	.28	.28	.28

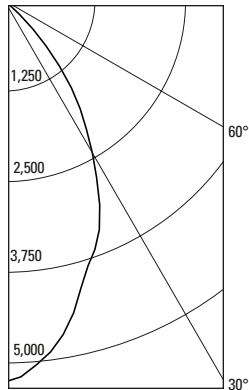
LUMINAIRE INPUT WATTS = 78

** EFFICIENCY = 50.7% **
SC = .8

CERTIFIED TEST REPORT NO. 2368FR, DATE: NOV 8, 2003
COMPUTED BY LSI PROGRAM **TEST-LITE**

100W ED17 PHILIPS CMH OPEN RATED LAMP-3K LUMEN RATING = 8500 LMS, ELECTRONIC AROMAT BALLAST, CL FINISH REFLECTOR

CANDLEPOWER DISTRIBUTION



ANGLE	MEAN CP	LUMS.
0	5263	
5	5047	478
10	4678	
15	4096	1171
20	3653	
25	3113	1424
30	2428	
35	1823	1140
40	1182	
45	553	457
50	73	
55	7	20
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	43001
55	641
65	37
75	0
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	3073	36.16	65.52
0-40	4212	49.56	89.81
0-60	4689	55.17	99.99
0-90	4690	55.18	100
40-90	477	5.62	10.19
60-90	0	0.01	0.01
90-180	0	0	0
0-180	4690	55.18	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	.66	.66	.66	.66	.64	.64	.61	.61	.59	.59	.55	.55	.55	.55	.55	.55
1	.63	.62	.60	.59	.61	.58	.58	.57	.56	.55	.52	.52	.52	.52	.52	.52
2	.60	.58	.56	.55	.57	.54	.55	.53	.54	.52	.50	.49	.49	.49	.49	.49
3	.58	.55	.52	.50	.54	.50	.53	.49	.51	.49	.47	.46	.46	.46	.46	.46
4	.55	.52	.49	.47	.51	.47	.50	.46	.49	.46	.45	.45	.45	.45	.45	.45
5	.53	.49	.46	.44	.48	.44	.47	.43	.46	.43	.42	.42	.42	.42	.42	.42
6	.51	.46	.43	.41	.46	.41	.45	.41	.44	.41	.40	.40	.40	.40	.40	.40
7	.48	.44	.41	.39	.43	.38	.42	.38	.42	.38	.37	.37	.37	.37	.37	.37
8	.46	.41	.38	.36	.41	.36	.40	.36	.40	.36	.35	.35	.35	.35	.35	.35
9	.43	.39	.36	.33	.38	.33	.38	.33	.37	.33	.32	.32	.32	.32	.32	.32
10	.41	.36	.33	.31	.36	.31	.36	.31	.35	.31	.30	.30	.30	.30	.30	.30

LUMINAIRE INPUT WATTS = 110

** EFFICIENCY = 55.2% **
SC = .8

CERTIFIED TEST REPORT NO. 2261FR, DATE: JUN 17, 2003
COMPUTED BY LSI PROGRAM **TEST-LITE**

Job Information

Type:

Lightolier a Genlyte Thomas Company www.lightolier.com
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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