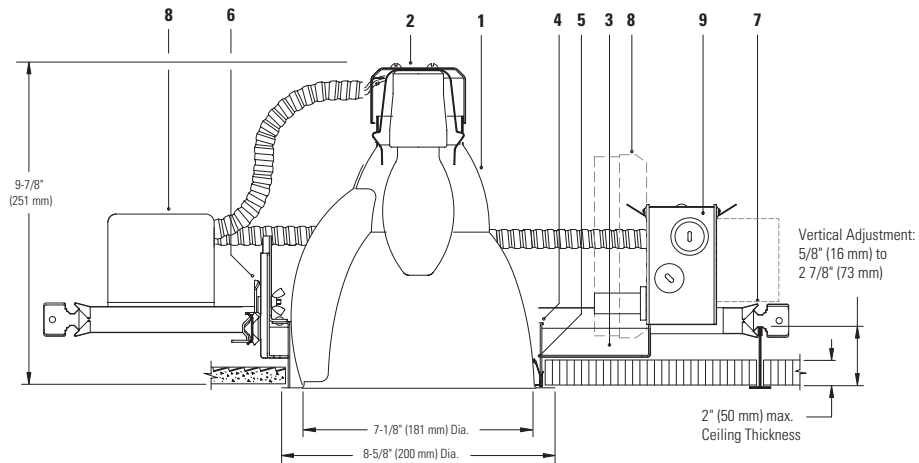
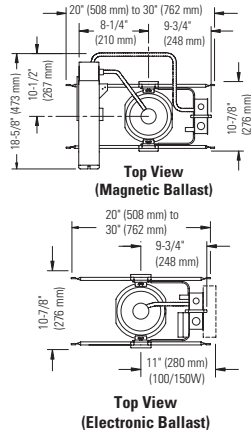


# Calculite® HID Wall Wash C7E170W



Ceiling Cutout: 8" (203mm) Dia.

Reflector Trim	Frame-In Kit	Lamp (Coated, Ceramic MH)
<b>C7E170W CLW</b> Specular Clear, White Painted Flange.	<b>C770MH0E1</b> Electronic 120V / <b>C770MH0E2</b> Electronic 277V	70W E17, ED17, BD17 (Open Rated)
<b>CLP</b> Specular Clear, Matching Flange.	<b>C710MH0E1</b> Electronic 120V / <b>C710MH0E2</b> Electronic 277V	100W E17, ED17, BD17 (Open Rated)
<b>CCDW</b> Comfort Clear Diffuse, White Painted Flange.	<b>C715MH0E1</b> Electronic 120V / <b>C715MH0E2</b> Electronic 277V	150W E17, ED17, BD17 (Open Rated)
<b>CCDP</b> Comfort Clear Diffuse, Matching Flange.	<b>C770MH0U</b> Magnetic 120V/277V	70W E17, ED17, BD17 (Open Rated)
<b>CCZW</b> Champagne Bronze, White Painted Flange.	<b>C710MH0U</b> Magnetic 120V/277V	100W E17, ED17, BD17 (Open Rated)
<b>CCZP</b> Champagne Bronze, Matching Flange.	<b>C715MH0U</b> Magnetic 120V/277V	150W E17, ED17, BD17 (Open Rated)

## Features

- Downlight/Wall Washer Reflector Trim:** Anodized aluminum, 0.040" (16-ga.). Provides vertical surface wall washing and medium beam downlighting; 50° visual cut-off to lamp and lamp image; self-flange in painted white or aperture-matching polished flange. Consult factory for other finishes.
- Socket Housing:** Galvanized steel, pre-wired with medium base pulse rated socket. Snaps onto upper reflector for secure attachment without tools; 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:** 0.059" (16-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., 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.

## Electrical (cont)

Ballast	ANSI Code	Voltage	Max. Amps	Input Watts
70W MH	M98/M143	120/277	0.67/0.28	78
100W MH	M90/M140	120/277	0.90/0.43	110
150W MH	M102	120/277	1.40/0.61	167

**Magnetic Ballast:** 120V/277V dual voltage, 60 Hz., enclosed 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	2.40/1.10	125
150W MH	M102	120/277	3.70/1.60	180

## Options and Accessories

**Fuse:** Add suffix **F1** or **F2** to Frame-In Kit (F1=120V, F2=277V)  
**Chicago Plenum:** Consult Factory.

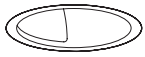
## Labels

- UL (Suitable for Damp Locations), I.B.E.W.  
 For 150W, install fixtures with minimum spacing between:
- Center-to-center of adjacent luminaires: 3 feet.
  - Top of luminaire to overhead building member: 3 inch.
  - Luminaire center to side building member: 1 1/2 feet.

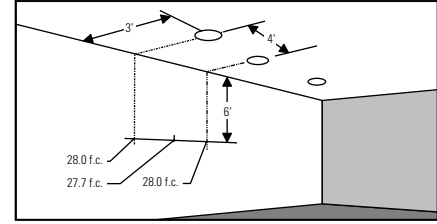
Job Information	Type:
<b>Job Name:</b>	
<b>Cat. No.:</b>	
<b>Lamp(s):</b>	
<b>Notes:</b>	

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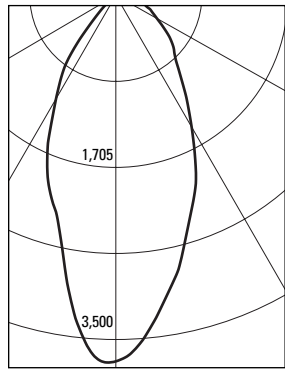
# Calculite® HID Wall Wash C7E170W



**Lighting Data - Example**  
C7E170W illumination on the wall 6' down from the ceiling is 28.0 f.c. beneath and 27.7 f.c. between fixtures.

### CANDLEPOWER DISTRIBUTION

**70W ED17** PHILIPS COATED CERAMIC MH, 3K. LUMEN RATING = 5700 LMS., AROMAT ELECTRONIC BALLAST, CL FINISH REFLECTOR TRIM, REPORT NO. 2343FR



Downlight Side Wall Wash Side

**Multiple Units - Footcandles On Wall**  
3' from Wall - 3' On Center

1	40.8	35.4	40.8
2	53.2	49.6	53.2
3	50.4	50.7	50.3
4	45.3	46.2	45.3
5	42.4	42.9	42.4
6	38.1	39.1	38.1
7	33.9	34.7	33.9
8	30.2	30.5	30.2
9	27.2	27.1	27.2
10	24.5	24.3	24.5
11	22.2	22.0	22.2
12	20.5	20.3	20.5
13	19.2	19.1	19.2
14	18.4	18.4	18.4

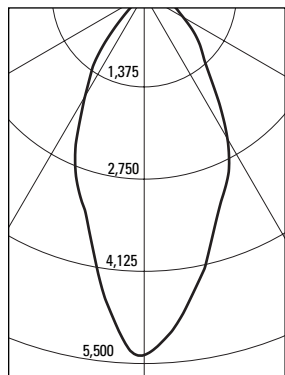
**Multiple Units - Footcandles On Wall**  
3' from Wall - 4' On Center

1	34.7	19.9	34.7
2	43.5	31.3	43.4
3	40.3	32.2	40.3
4	34.5	32.0	34.5
5	31.4	30.2	31.4
6	28.0	27.7	28.0
7	24.3	25.2	24.2
8	21.4	22.4	21.4
9	19.1	19.8	19.1
10	17.3	17.6	17.3
11	15.8	15.9	15.8
12	14.6	14.5	14.6
13	13.8	13.6	13.7
14	13.2	13.0	13.2

**Multiple Units - Footcandles On Wall**  
4' from Wall - 4' On Center

1	19.2	16.5	19.2
2	26.9	25.9	26.9
3	30.9	29.0	30.9
4	28.7	29.2	28.7
5	26.2	27.1	26.2
6	25.1	25.3	25.1
7	23.9	24.3	23.9
8	22.2	22.8	22.2
9	20.6	21.1	20.5
10	19.0	19.3	19.0
11	17.7	17.8	17.7
12	16.5	16.4	16.5
13	15.5	15.3	15.4
14	14.6	14.5	14.6

**100W ED17** PHILIPS COATED CERAMIC MH, 3K. LUMEN RATING = 8500 LMS., AROMAT ELECTRONIC BALLAST, CL FINISH REFLECTOR TRIM, REPORT NO. 2344FR



Downlight Side Wall Wash Side

**Multiple Units - Footcandles On Wall**  
3' from Wall 4' On Center

1	46.6	28.6	46.6
2	60.9	43.0	60.9
3	58.6	44.3	58.6
4	51.9	44.8	51.9
5	49.3	42.1	49.3
6	42.6	39.5	42.6
7	36.0	36.4	36.0
8	31.6	32.5	31.6
9	28.4	28.7	28.4
10	25.8	25.6	25.8
11	23.6	23.2	23.6
12	21.7	21.3	21.7
13	20.4	20.1	20.4
14	19.6	19.3	19.6

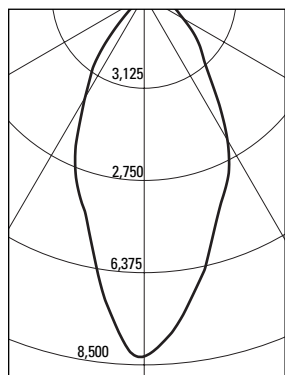
**Multiple Units - Footcandles On Wall**  
4' from Wall - 4' On Center

1	25.8	22.6	25.8
2	37.5	35.2	37.5
3	43.4	39.7	43.4
4	41.4	39.8	41.4
5	38.9	37.1	38.9
6	38.4	34.9	38.4
7	36.5	33.9	36.5
8	33.5	32.3	33.5
9	30.7	30.0	30.7
10	28.3	27.7	28.3
11	26.2	25.6	26.2
12	24.4	23.8	24.4
13	22.8	22.4	22.8
14	21.6	21.2	21.6

**Multiple Units - Footcandles On Wall**  
4' from Wall - 5' On Center

1	24.0	16.7	24.0
2	33.5	26.5	33.5
3	38.4	30.1	38.3
4	36.5	30.3	36.5
5	33.3	30.1	33.3
6	32.5	28.8	32.5
7	31.2	27.6	31.1
8	28.1	26.6	28.1
9	25.3	25.3	25.3
10	23.2	23.5	23.2
11	21.7	21.8	21.7
12	20.4	20.2	20.4
13	19.3	18.9	19.3
14	18.4	17.9	18.4

**150W ED17** PHILIPS COATED CERAMIC MH, 3K. LUMEN RATING = 11900 LMS., AROMAT ELECTRONIC BALLAST, CL FINISH REFLECTOR TRIM, REPORT NO. 2365FR



Downlight Side Wall Wash Side

**Multiple Units - Footcandles On Wall**  
3' from Wall 4' On Center

1	47.4	38.1	47.4
2	68.3	57.9	68.3
3	74.4	64.1	74.4
4	71.4	69.7	71.4
5	71.3	68.2	71.3
6	63.3	65.2	63.3
7	55.4	59.4	55.3
8	49.6	52.4	49.6
9	44.9	45.9	44.9
10	40.6	40.5	40.6
11	37.0	36.5	37.0
12	33.9	33.4	33.9
13	31.8	31.3	31.7
14	30.5	30.1	30.5

**Multiple Units - Footcandles On Wall**  
4' from Wall - 4' On Center

1	30.7	28.7	30.7
2	44.7	41.6	44.6
3	52.7	50.5	52.7
4	54.6	55.5	54.6
5	54.9	56.5	54.9
6	55.6	56.9	55.6
7	53.7	56.6	53.7
8	50.5	53.2	50.5
9	47.3	48.8	47.3
10	44.2	44.7	44.2
11	41.2	41.1	41.2
12	38.3	38.1	38.3
13	35.9	35.8	35.8
14	34.0	34.0	34.0

**Multiple Units - Footcandles On Wall**  
4' from Wall - 5' On Center

1	26.8	23.7	26.8
2	38.3	33.5	38.3
3	44.7	40.3	44.7
4	47.1	43.1	47.1
5	45.7	45.8	45.7
6	46.5	45.6	46.5
7	45.3	45.2	45.3
8	41.7	43.7	41.7
9	38.5	41.0	38.5
10	36.0	37.9	36.0
11	34.0	34.8	34.0
12	32.0	32.1	32.0
13	30.2	29.9	30.2
14	28.9	28.3	28.9

### Job Information Type:

Lighting data above is certified, computed by LSI Program \*\*TEST-LITE\*\*

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