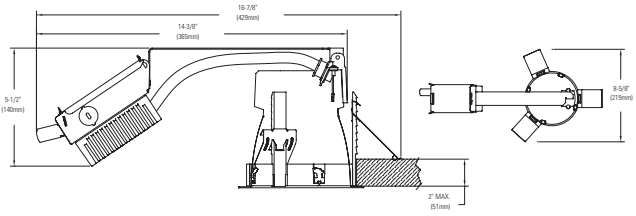
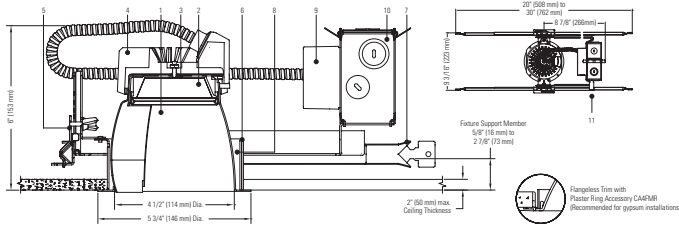


Calculite LED Wall Washer C410LEDWW



Ceiling Cutout: 5 1/8"

Light Engine	Wattage*	CCT	Finish
C410LEDWW27K CCLW	10W	2700K	Comfort Clear, White flange
C410LEDWW30K CCLW	10W	3000K	Comfort Clear, White flange
C410LEDWW35K CCLW	10W	3500K	Comfort Clear, White flange
C410LEDWW40K CCLW	10W	4000K	Comfort Clear, White flange
	* +/- 5%		See "Options and Accessories" for other finishes

Frame-In Kit	Description	Wattage*	Voltage
C410LED1	New Construction	10W	120V
C410LED2	New Construction	10W	277V
CU10LEDS1	Retrofit, Screw-in	10W	120V
CU10LEDJ1	Retrofit, J-Box Mount	10W	120V
CU10LEDJ2	Retrofit, J-Box Mount	10W	277V
C410LEDR1	Remodeler	10W	120V
C410LEDR2	Remodeler	10W	277V
		* +/- 5%	

Features

- Aperture Cone:** Provides 50° visual cutoff to source and source image. Self-flanged in painted white, aperture-matching polished, or flush-mount minimal flange.
- Optical Mixing Chamber:** Remote phosphor technology provides increased efficiency and color stability. Phosphor lens assembly positioned in front of LED array converts blue light to white and produces a wide even pattern of diffused light without bright spots created by individual LEDs. Uniform phosphor coating provides consistent, stable color with a shift of no more than +/-100K over life. Mixing chamber redirects scattered light back out through the emitting aperture.
- LED Board:** Array of 8 high brightness royal blue LEDs.
- Thermal Management:** Heat sink design maintains junction temperature for consistent, reliable performance and 50,000 hour lifetime at 70% lumen maintenance.
- Mounting Frame:** 0.048" (18-ga.) galvanized steel. Vertical adjustment mechanism accommodates mounting to virtually any ceiling system using mounting bars (provided, or 1/2" EMT tubing (by others). Single locking feature secures all adjustments. Alignment holes and markings allow fixture to be preset prior to installation.
- 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.
- 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.
- Trim Retention Springs:** Rust resistant springs secure reflector/housing for quick, tool-less installation.
- Power Supply / Connector Cover Assembly:** Die-cast aluminum PSU enclosure. Assembly snaps onto junction box without tools for inspection and replacement, accessible from below. Attaches to light engine via push-in connector on LED board, removable cover provides access.
- 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:** Meets NEC and UL requirements. Do not install insulation above nor within 3" (76mm) of any part of the luminaire.
- Remodeler Frame:** Swivel junction box for tight plenum spaces. Snap-off covers permits wiring from top. Mounting frame is die-cast aluminum 0.100" thick. Rust resistant springs secure flange to ceiling, up to 2 1/2" ceiling thickness.

Electrical

Electronic Power Supply: 120 or 277V, 50/60Hz, encased, overload and short circuit protected, thermal regulation to protect against overheating, sound rating "A", -20° C minimum starting temperature, 40° C maximum operating temperature. Dimming compatibility: See LED-DIM specification sheet.

Input Voltage	Input Frequency	Input Current	LED Drive Current	Input Power	LED Power	THD	Power Factor
120V	50/60Hz	0.074	350mA	9W*	8W	<5%	>0.9
277V	50/60Hz	0.032	350mA	9W*	8W	<10%	>0.8

* +/- 5%

Options and Accessories

Compatible with Slope Ceiling Adapters: See Specification Sheet SCA. Requires SCAHID accessory.

Comfort Clear™ Finishes¹

- Comfort Clear **CCL**
- Diffuse **CCD**
- Champagne Bronze **CCZ**

Other Finishes

- Specular Clear **CL**
- White **WH**

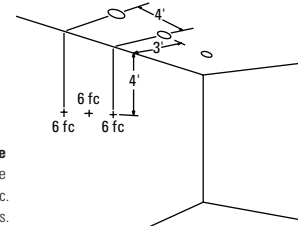
¹Specify desired flange. **W** White, **P** Polished, **FT** Flangeless

Labels

UL (Suitable for Wet Locations), cUL, I.B.E.W.
5 Year Warranty

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

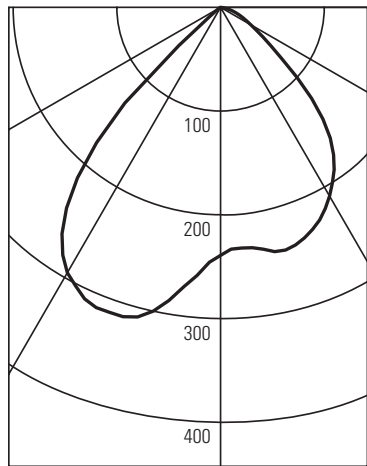
Calculite LED Wall Washer C410LEDWW



Lighting Data - Example
C420LEDWW30KCLW illumination on the wall 4' down from the ceiling is 6 f.c. beneath and 6 f.c. between fixtures.

Candlepower Distribution

10W LED, 3000K, CL Finish Trim



Room Side Wall Side
Certified Test Report No. F09310³

Multiple Units Footcandles On Wall

2' from Wall - 3' On Center

Distance From Ceiling in Feet	1	7	5	7
1	7	5	7	
2	14	8	14	
3	11	11	11	
4	8	9	8	
5	7	7	7	
6	6	5	6	
7	4	4	4	
8	4	4	4	
9	3	3	3	
10	3	3	3	
12	2	2	2	
14	2	2	2	

Multiple Units Footcandles On Wall

3' from Wall - 3' On Center

Distance From Ceiling in Feet	1	3	3	3
1	3	3	3	
2	5	5	5	
3	8	7	8	
4	8	8	8	
5	7	7	7	
6	6	6	6	
7	5	5	5	
8	5	5	5	
9	4	4	4	
10	4	4	4	
12	3	3	3	
14	3	3	3	

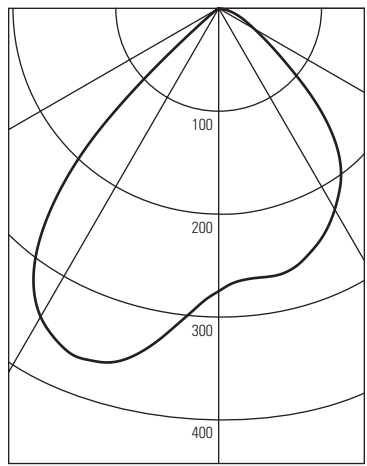
Multiple Units Footcandles On Wall

3' from Wall - 4' On Center

Distance From Ceiling in Feet	1	2	2	2
1	2	2	2	
2	4	3	4	
3	6	5	6	
4	6	6	6	
5	5	5	5	
6	4	5	4	
7	4	4	4	
8	3	3	3	
9	3	3	3	
10	3	3	3	
12	2	2	2	
14	2	2	2	

Trim: C410LEDWW30KCLW
Reflector Finish: Specular Clear
Correlated Color Temp: 3000K
Input Watts²: 8.7 w
CRI¹: 79

10W LED, 4000K, CL Finish Trim



Room Side Wall Side
Certified Test Report No. F09024³

Multiple Units Footcandles On Wall

2' from Wall - 3' On Center

Distance From Ceiling in Feet	1	7	5	7
1	7	5	7	
2	15	9	15	
3	12	12	12	
4	9	10	9	
5	8	8	8	
6	6	6	6	
7	5	5	5	
8	4	4	4	
9	4	4	4	
10	3	3	3	
12	3	3	3	
14	3	3	3	

Multiple Units Footcandles On Wall

3' from Wall - 3' On Center

Distance From Ceiling in Feet	1	3	3	3
1	3	3	3	
2	6	6	6	
3	9	8	9	
4	9	9	9	
5	8	8	8	
6	7	7	7	
7	6	6	6	
8	5	5	5	
9	5	5	5	
10	4	4	4	
12	3	3	3	
14	3	3	3	

Multiple Units Footcandles On Wall

3' from Wall - 4' On Center

Distance From Ceiling in Feet	1	2	2	2
1	2	2	2	
2	5	4	5	
3	7	5	7	
4	6	7	6	
5	6	6	6	
6	5	5	5	
7	4	4	4	
8	4	4	4	
9	3	3	3	
10	3	3	3	
12	2	2	2	
14	2	2	2	

Trim: C410LEDWW40KCLW
Reflector Finish: Specular Clear
Correlated Color Temp: 4000K
Input Watts²: 8.7 w
CRI¹: 76

¹ Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
² Wattage controlled to within +/- 5%.
³ Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
⁴ Color Rendering Index within +/- 2%.

Job Information **Type:**