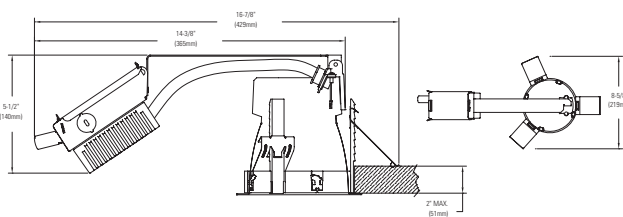
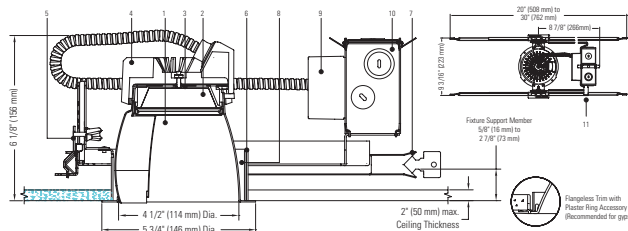


# Calculite LED Wall Washer **C420LEDWW**



**Ceiling Cutout: 5 1/8"**

Light Engine	Wattage*	CCT	Finish
<b>C420LEDWW27K</b> <b>CCLW</b>	20W	2700K	Comfort Clear, White flange
<b>C420LEDWW30K</b> <b>CCLW</b>	20W	3000K	Comfort Clear, White flange
<b>C420LEDWW35K</b> <b>CCLW</b>	20W	3500K	Comfort Clear, White flange
<b>C420LEDWW40K</b> <b>CCLW</b>	20W	4000K	Comfort Clear, White flange
	* +/- 5%		See "Options and Accessories" for other finishes

Frame-In Kit	Description	Wattage*	Voltage
<b>C420LED1</b>	New Construction	20W	120V
<b>C420LED2</b>	New Construction	20W	277V
<b>CU20LEDS1</b>	Retrofit, Screw-in	20W	120V
<b>CU20LEDJ1</b>	Retrofit, J-Box Mount	20W	120V
<b>CU20LEDJ2</b>	Retrofit, J-Box Mount	20W	277V
<b>C420LEDR1</b>	Remodeler	20W	120V
<b>C420LEDR2</b>	Remodeler	20W	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 16 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	0.167	350mA	20W*	18W	<5%	>0.9
277V	50/60Hz	0.072	350mA	20W*	18W	<10%	>0.8

\* +/- 5%

**Options and Accessories**

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

<b>Comfort Clear™ Finishes<sup>1</sup></b>		<b>Other Finishes</b>	
Comfort Clear	<b>CCL</b>	Specular Clear	<b>CL</b>
Diffuse	<b>CCD</b>	White	<b>WH*</b>
Champagne Bronze	<b>CCZ</b>		

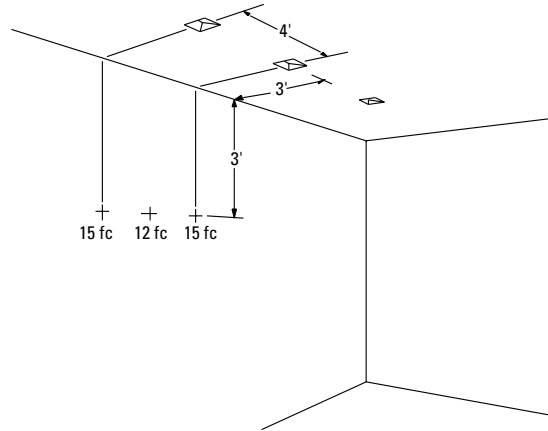
\*Aperture brightness from white finish may be objectionable  
<sup>1</sup>Specify desired flange. **W** White, **P** Polished, **FT** Flangeless

**Labels**

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

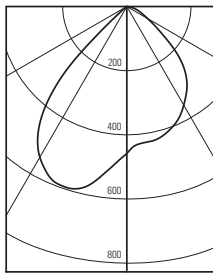
Job Information	Type:
<b>Job Name:</b>	
<b>Cat. No.:</b>	
<b>Lamp(s):</b>	
<b>Notes:</b>	

# Calculite LED Wall Washer **C420LEDWW**



**Lighting Data - Example**  
C420LEDWW30KCLW illumination on the wall 4' down from the ceiling is 12 f.c. beneath and 13 f.c. between fixtures.

## 20W LED, 2700K, CL FINISH TRIM



**Trim:**  
C420LEDWW27KCLW  
**Reflector Finish:**  
Specular Clear  
**Correlated Color Temp<sup>1</sup>:**  
2700K  
**Input Watts<sup>2</sup>:**  
19.8 w  
**CR<sup>4</sup>:**  
80

Downlight Side Wall Wash Side

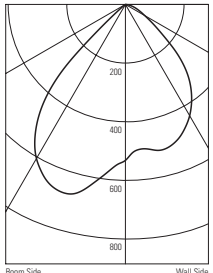
Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	2' from Wall - 3' On Center		3' On Center	
1	14	9	14	
2	26	17	26	
3	19	22	19	
4	16	16	16	
5	13	13	13	
6	10	10	10	
7	8	8	8	
8	7	7	7	
9	6	6	6	
10	6	6	6	
12	5	5	5	
14	4	4	4	

Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	3' from Wall - 3' On Center		3' On Center	
1	6	6	6	
2	11	10	11	
3	15	14	15	
4	14	15	14	
5	13	13	13	
6	11	11	11	
7	10	10	10	
8	9	9	9	
9	8	8	8	
10	7	7	7	
12	6	6	6	
14	5	5	5	

Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	3' from Wall - 4' On Center		4' On Center	
1	5	4	5	
2	9	7	9	
3	12	9	12	
4	10	11	10	
5	9	10	9	
6	8	8	8	
7	7	7	7	
8	6	6	6	
9	5	5	5	
10	5	5	5	
12	4	4	4	
14	3	3	3	

CERTIFIED TEST REPORT NO. F09937<sup>3</sup>

## 20W LED, 3000K, CL FINISH TRIM



**Trim:**  
C420LEDWW30KCLW  
**Reflector Finish:**  
Specular Clear  
**Correlated Color Temp<sup>1</sup>:**  
3000K  
**Input Watts<sup>2</sup>:**  
19.8 w  
**CR<sup>4</sup>:**  
79

Room Side Wall Wash Side

Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	2' from Wall - 3' On Center		3' On Center	
1	14	11	14	
2	29	19	29	
3	23	25	23	
4	19	20	19	
5	15	15	15	
6	12	12	12	
7	10	10	10	
8	8	8	8	
9	7	7	7	
10	6	6	6	
12	5	5	5	
14	5	5	5	

Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	3' from Wall - 3' On Center		3' On Center	
1	7	7	7	
2	12	12	12	
3	17	17	17	
4	17	18	17	
5	16	16	16	
6	14	14	14	
7	12	12	12	
8	10	10	10	
9	9	9	9	
10	8	8	8	
12	7	7	7	
14	6	6	6	

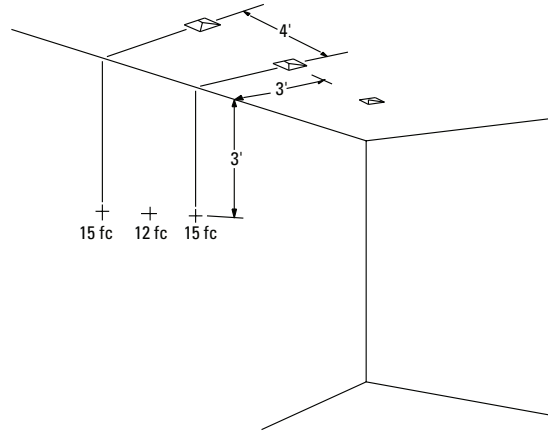
Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	3' from Wall - 4' On Center		4' On Center	
1	5	4	5	
2	9	8	9	
3	14	11	14	
4	12	13	12	
5	11	12	11	
6	10	10	10	
7	9	9	9	
8	7	7	7	
9	6	6	6	
10	6	6	6	
12	5	5	5	
14	4	4	4	

CERTIFIED TEST REPORT NO. 15737<sup>3</sup>

<sup>1</sup>Color temperature controlled within specifications as defined by ANSI\_NEMA\_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.  
<sup>2</sup>Wattage controlled to within 65%.  
<sup>3</sup>Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.  
<sup>4</sup>Color Rendering Index within +/- 2%.

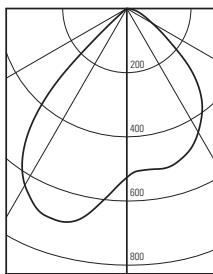
**Job Information** **Type:**

# Calculite LED Wall Washer **C420LEDWW**



**Lighting Data - Example**  
C420LEDWW30KCLW illumination on the wall  
4' down from the ceiling is 12 f.c.  
beneath and 13 f.c. between fixtures.

## 20W LED, 3500K, CL FINISH TRIM



**Trim:**  
C420LEDWW35KCLW  
**Reflector Finish:**  
Specular Clear  
**Correlated Color Temp<sup>1</sup>:**  
3500K  
**Input Watts<sup>2</sup>:**  
19.8 w  
**CR<sup>1</sup>:**  
76

Downlight Side  
Wall Wash Side

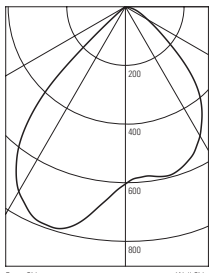
Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	2' from Wall - 3' On Center		3' from Wall - 3' On Center	
1	17	11	17	
2	32	20	32	
3	23	27	23	
4	20	20	20	
5	16	16	16	
6	13	13	13	
7	10	10	10	
8	9	9	9	
9	8	8	8	
10	7	7	7	
12	6	6	6	
14	5	5	5	

Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	3' from Wall - 3' On Center		3' from Wall - 3' On Center	
1	8	7	8	
2	13	13	13	
3	19	18	19	
4	18	19	18	
5	17	16	17	
6	14	14	14	
7	12	12	12	
8	10	10	10	
9	9	9	9	
10	8	8	8	
12	7	7	7	
14	6	6	6	

Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	3' from Wall - 4' On Center		3' from Wall - 4' On Center	
1	6	5	6	
2	11	8	11	
3	15	11	15	
4	13	14	13	
5	11	12	11	
6	10	10	10	
7	9	9	9	
8	7	8	7	
9	7	7	7	
10	6	6	6	
12	5	5	5	
14	4	4	4	

CERTIFIED TEST REPORT NO. F09954<sup>3</sup>

## 20W LED, 4000K, CL FINISH TRIM



**Trim:**  
C420LEDWW40KCLW  
**Reflector Finish:**  
Specular Clear  
**Correlated Color Temp<sup>1</sup>:**  
4000K  
**Input Watts<sup>2</sup>:**  
19.8 w  
**CR<sup>1</sup>:**  
76

Room Side  
Wall Wash Side

Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	2' from Wall - 3' On Center		3' from Wall - 3' On Center	
1	16	11	16	
2	32	20	32	
3	26	27	26	
4	21	22	21	
5	17	17	17	
6	14	14	14	
7	11	11	11	
8	9	10	9	
9	8	8	8	
10	7	7	7	
12	6	6	6	
14	6	6	6	

Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	3' from Wall - 3' On Center		3' from Wall - 3' On Center	
1	7	7	7	
2	13	12	13	
3	19	18	19	
4	19	20	19	
5	18	17	18	
6	16	15	16	
7	13	13	13	
8	11	12	11	
9	10	10	10	
10	9	9	9	
12	8	8	8	
14	7	7	7	

Distance from ceiling in feet	Multiple Units - Footcandles On Wall			
	3' from Wall - 4' On Center		3' from Wall - 4' On Center	
1	5	4	5	
2	10	8	10	
3	15	11	15	
4	14	14	14	
5	12	13	12	
6	11	11	11	
7	10	9	10	
8	8	8	8	
9	7	7	7	
10	6	6	6	
12	5	5	5	
14	5	5	5	

CERTIFIED TEST REPORT NO. F09323<sup>3</sup>

<sup>1</sup>Color temperature controlled within specifications as defined by ANSI\_NEMA\_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.  
<sup>2</sup>Wattage controlled to within 65%.  
<sup>3</sup>Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.  
<sup>4</sup>Color Rendering Index within +/- 2%.

<b>Job Information</b>	<b>Type:</b>
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