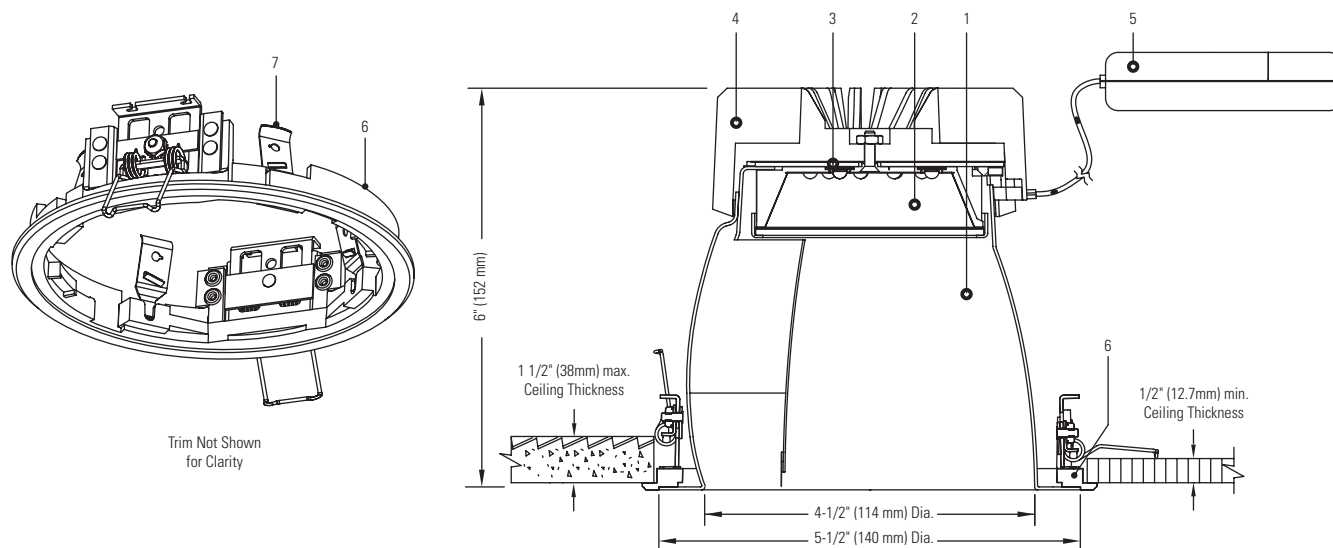


Calculite® LED Wall Washer C4LEDWWEXP

Page 1 of 3

115mm (4 1/2") Aperture, Remote Phosphor LED, For Export



Ceiling Cutout: 146 mm (5 3/4") Dia. These products are a 3-part system consisting of Reflector Trim, Frame Ring and Driver, each ordered separately.

Reflector Trim	CCT	Finish	Frame Ring	Driver	Wattage*	Input Voltage
C410LEDWW30KCCLWEXP	3000K	Comfort Clear, White flange	C4XRM	LDK10	10W	240V, 50/60 Hz
C410LEDWW30KCCLPEXP	3000K	Comfort Clear, Polished flange	C4XRM	LDK10	10W	240V, 50/60 Hz
C410LEDWW40KCCLWEXP	4000K	Comfort Clear, White flange	C4XRM	LDK10	10W	240V, 50/60 Hz
C410LEDWW40KCCLPEXP	4000K	Comfort Clear, Polished flange	C4XRM	LDK10	10W	240V, 50/60 Hz
C420LEDWW30KCCLWEXP	3000K	Comfort Clear, White flange	C4XRM	LDK20	20W	240V, 50/60 Hz
C420LEDWW30KCCLPEXP	3000K	Comfort Clear, Polished flange	C4XRM	LDK20	20W	240V, 50/60 Hz
C420LEDWW40KCCLWEXP	4000K	Comfort Clear, White flange	C4XRM	LDK20	20W	240V, 50/60 Hz
C420LEDWW40KCCLPEXP	4000K	Comfort Clear, Polished flange	C4XRM	LDK20	20W	240V, 50/60 Hz
		Other finishes available. Contact factory.			*+/- 5%	

Features

- Aperture Cone:** Provides 50° visual cutoff to source and source image. Self-flanged in painted white or aperture-matching polished.
- 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 (10W) or 16 (20W) 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.
- Power Supply:** High impact molded enclosure. Connects to mixing chamber via permanently attached lead with push-in connector. Removable cover allows access to primary supply terminal connector. ORDER SEPARATELY.
- Frame Ring:** Cast aluminum ring is painted matte white and has two 17 ga. stainless steel springs that engage in upright position during installation. One touch snap action secures ring in ceiling cutout. ORDER SEPARATELY. See separate Installation Ring specification sheet for more details.
- Trim Retention Springs:** Rust resistant springs secure aperture cone for quick, tool-less installation.

Electrical

Electronic Power Supply: 240V, 50/60Hz, enclosed, overload and short circuit protected, thermal regulation to protect against overheating, sound rating "A", -20° C minimum starting temperature, dimmable with standard electronic low voltage (ELV) dimmer.

Input Power	Input Voltage	Input Frequency	Input Current	LED Drive Current	LED Power	THD	Power Factor
10W*	240V	50/60Hz	0.042	350mA	9W	<10%	>0.85
20W*	240V	50/60Hz	0.083	350mA	18W	<10%	>0.85

*+/- 5%

Job Information Type:

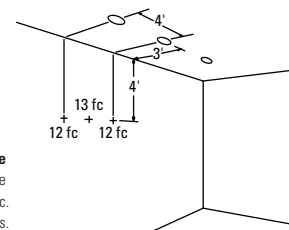
Job Name:

Cat. No.:

Lamp(s):

Notes:

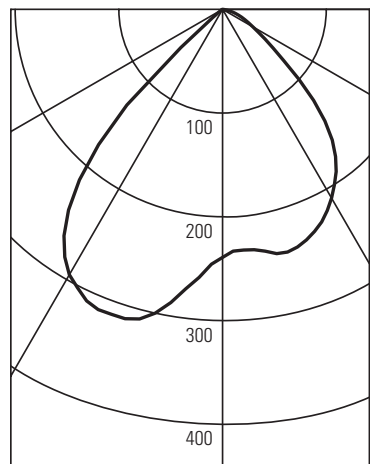
Calculite® LED Wall Washer C4LEDWWEXP



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. F09010³

Multiple Units Footcandles On Wall

2' from Wall - 3' On Center

Distance From Ceiling in Feet	1	2	3	4
1	6	5	6	6
2	13	9	13	13
3	11	12	11	11
4	9	9	9	9
5	7	7	7	7
6	6	6	6	6
7	5	5	5	5
8	4	4	4	4
9	3	3	3	3
10	3	3	3	3
12	3	3	3	3
14	2	2	2	2

Trim: C410LEDWW30KCLW
Reflector Finish: Specular Clear
Correlated Color Temp: 3000K
Input Watts²: 8.6 w
CRI⁴: 79

Multiple Units Footcandles On Wall

3' from Wall - 3' On Center

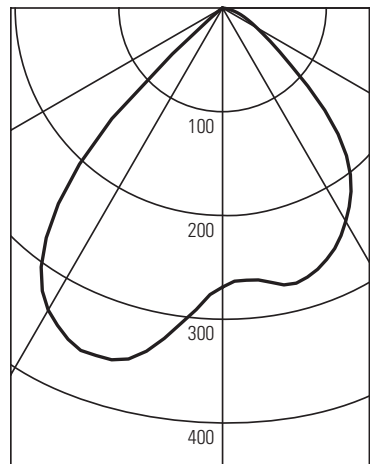
Distance From Ceiling in Feet	1	2	3	4
1	3	3	3	3
2	5	5	5	5
3	8	7	8	8
4	8	9	8	8
5	8	7	8	8
6	7	6	7	7
7	6	6	6	6
8	5	5	5	5
9	4	4	4	4
10	4	4	4	4
12	3	3	3	3
14	3	3	3	3

Multiple Units Footcandles On Wall

3' from Wall - 4' On Center

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

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	2	3	4
1	7	5	7	7
2	15	10	15	15
3	12	14	12	12
4	10	11	10	10
5	8	8	8	8
6	7	7	7	7
7	5	5	5	5
8	5	5	5	5
9	4	4	4	4
10	3	3	3	3
12	3	3	3	3
14	3	3	3	3

Trim: C410LEDWW40KCLW
Reflector Finish: Specular Clear
Correlated Color Temp: 4000K
Input Watts²: 8.6 w
CRI⁴: 76

Multiple Units Footcandles On Wall

3' from Wall - 3' On Center

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

Multiple Units Footcandles On Wall

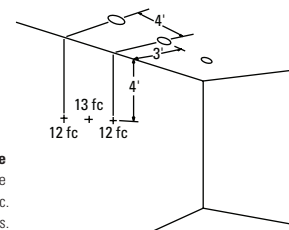
3' from Wall - 4' On Center

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

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:**

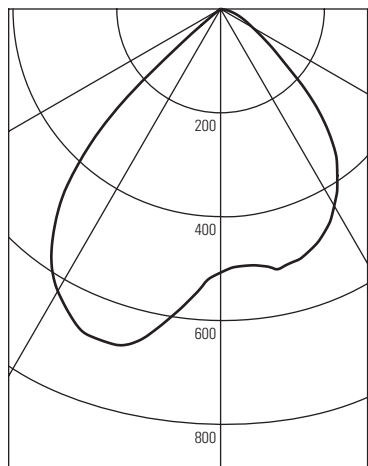
Calculite® LED Wall Washer C4LEDWWEXP



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

Candlepower Distribution

20W LED, 3000K, CL Finish Trim



Room Side Wall Side

Certified Test Report No. F09009³

Multiple Units Footcandles On Wall

2' from Wall - 3' On Center

Distance From Ceiling in Feet	Footcandles On Wall			
	1	2	3	4
1	14	10	14	
2	27	17	27	
3	22	25	22	
4	19	19	19	
5	15	15	15	
6	12	12	12	
7	10	10	10	
8	8	9	8	
9	7	7	7	
10	7	6	7	
12	5	5	5	
14	5	5	5	

Multiple Units Footcandles On Wall

3' from Wall - 3' On Center

Distance From Ceiling in Feet	Footcandles On Wall			
	1	2	3	4
1	7	6	7	
2	11	10	11	
3	16	15	16	
4	16	17	16	
5	16	15	16	
6	14	13	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	

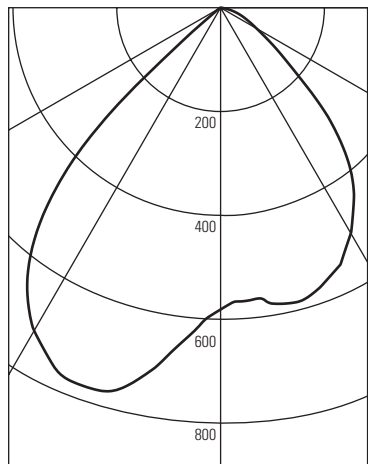
Multiple Units Footcandles On Wall

3' from Wall - 4' On Center

Distance From Ceiling in Feet	Footcandles On Wall			
	1	2	3	4
1	5	4	5	
2	9	7	9	
3	13	9	13	
4	12	13	12	
5	11	12	11	
6	10	10	10	
7	9	8	9	
8	7	7	7	
9	6	6	6	
10	6	6	6	
12	5	5	5	
14	4	4	4	

Trim: C420LEDWW30KCLW
Reflector Finish: Specular Clear
Correlated Color Temp: 3000K
Input Watts²: 19.6 w
CRI⁴: 79

20W LED, 4000K, CL Finish Trim



Room Side Wall Side

Certified Test Report No. F09023³

Multiple Units Footcandles On Wall

2' from Wall - 3' On Center

Distance From Ceiling in Feet	Footcandles On Wall			
	1	2	3	4
1	15	11	15	
2	31	19	31	
3	25	28	25	
4	21	22	21	
5	17	17	17	
6	14	14	14	
7	11	11	11	
8	10	10	10	
9	8	8	8	
10	7	7	7	
12	6	6	6	
14	6	6	6	

Multiple Units Footcandles On Wall

3' from Wall - 3' On Center

Distance From Ceiling in Feet	Footcandles On Wall			
	1	2	3	4
1	7	6	7	
2	13	12	12	
3	18	16	18	
4	18	20	18	
5	18	17	18	
6	15	15	15	
7	13	13	13	
8	12	11	12	
9	10	10	10	
10	9	9	9	
12	8	8	8	
14	7	7	7	

Multiple Units Footcandles On Wall

3' from Wall - 4' On Center

Distance From Ceiling in Feet	Footcandles On Wall			
	1	2	3	4
1	5	4	5	
2	10	8	10	
3	14	11	14	
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	4	4	4	

Trim: C420LEDWW40KCLW
Reflector Finish: Specular Clear
Correlated Color Temp: 4000K
Input Watts²: 19.6 w
CRI⁴: 76

¹ Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSI 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:**