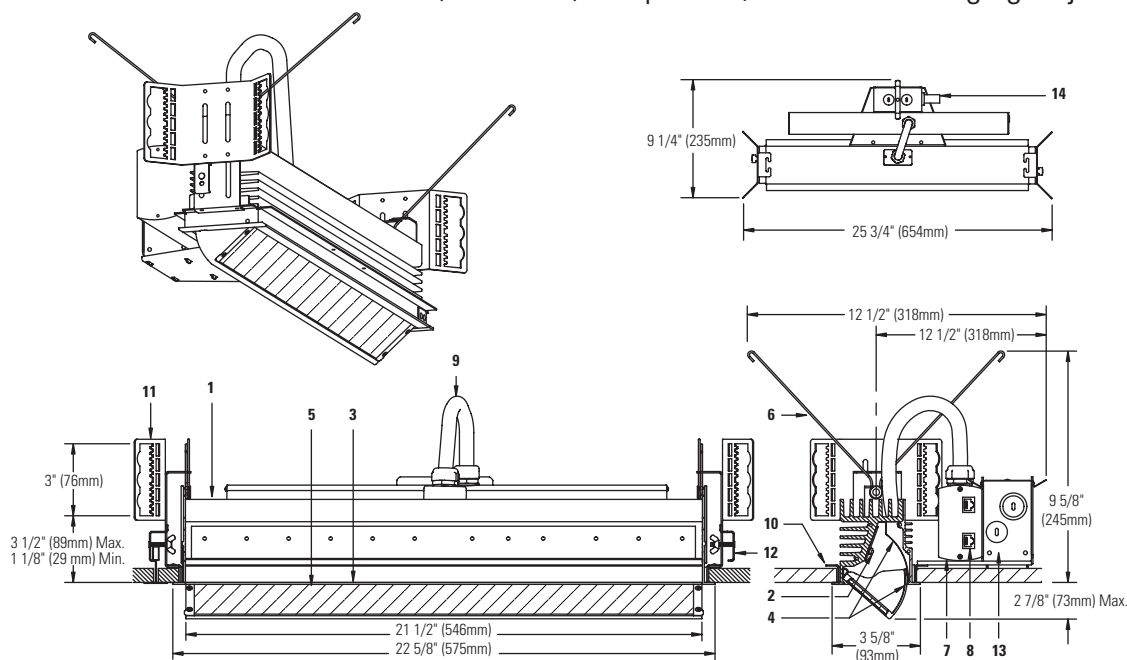


# LIGHTOLIER® Calculite® ColorWash C2X21LEDWW

Page 1 of 2

2 1/2" X 21 1/2" Aperture, LED Color-Changing Adjustable Wall Washer



Ceiling Cutouts: 3 3/8" x 22"

## Ordering Information

Solid State Lighting Unit	Finish	Light Source	Frame-In Kit	Input Voltage
C2X21LEDWWWH	Matte White	RGBA LED Array	C2X21CCLEDWW1	120
C2X21LEDWWBK	Matte Black		For 277V, use Stepdown Transformer Cat. No. 7997	

## Features

- Heat Sink Housing:** Extruded aluminum, design thermally optimized to reduce LED junction temperature to maintain light output, color and life. Matte white or black flange.
- LED Array:** Series of 48 high-power red, green, blue and amber (RGBA) LEDs generate millions of colors and high quality white light at variable color temperatures. Static colors and dynamic effects are programmable by DMX controls. Average expected life, under normal operating conditions is 50,000 hours with lumen maintenance of 70% of original light output. Factory calibrated integral color sensor and self-adjusting feedback software guarantee color consistency over life.
- Adjustable Reflector Housing:** Molded high temperature polymer, matte white or black finish. Adjusts from 0° - 45° vertically to accommodate various ceiling heights and luminaire to wall mounting distance to ensure smooth, even wall washing from ceiling line to floor; built-in vertical angle indicators aid in aligning multiple luminaires; lockable.
- MicroBlend optics:** Internal collective mixing technology ensures smooth washing and color uniformity and eliminates undesirable color fringing.
- Aperture Lens:** Tempered glass, fine texture provides additional mixing at the aperture and minimizes the appearance of the individual RGBA sources.
- Torsionite Springs:** Secure solid state lighting module tight against ceiling surface without sagging. Accommodates ceilings from 1/2" to 2" thick.
- Power Supply Unit/Slave Control Drive Module:** PSU: 120VAC 50/60 Hz., Class 2, high power factor, FCC Class B approved, short circuit protection. SCD: low voltage DC, provides power and data to control LED array with a maximum of 8 LED channels. Electronics are enclosed in a black extruded aluminum housing providing optimal thermal dissipation for reliable operation and long life. Module is replaceable from below the ceiling.
- DMX Connectors:** Two RJ45 jacks mounted at one end of PSU/SCD module provide DMX512-In and DMX512-Out connections (see page 2). Uses standard shielded, plenum rated (required for plenum ceilings), CAT5 round, 8 conductor, twisted pair, network cables (not supplied)

## Features (continued)

- Flexible Metal Conduit/Quick Connector:** Quick connector for easy field data connection.
- Mounting Frame:** 0.048" thk., galv. steel.
- Mounting Brackets:** 0.060" galv. steel, adjust from inside of fixture. Use 3/4" or 1 1/2" lathing channel, 1/2" EMT, or optional mounting bars.
- T-Bar Mounting Clips:** Provide quick installation to 1 1/2" to 3" high 2 ft. on center T-Bar grid ceiling systems without use of tool.
- Junction Box:** UL and cUL Listed for through branch circuit wiring with max. of (8) No. 12 AWG, 90°C supply conductors.
- Thermal Protector:** Meets (NEC) UL and (CEC) CSA requirements. Insulation must be kept 3" away from fixture sides and wiring compartments and must not be placed above fixture in a manner which will entrap heat.

## Electrical

120V: Input Watts: Must be circuited for 75W Max.

## Labels

cULus Listed for dry locations. I.B.E.W.

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

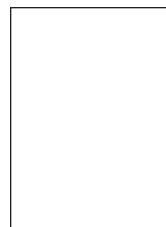
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Page 2 of 2

2 1/2" X 21 1/2" Aperture, LED Color-Changing Adjustable Wall Washer

## Lighting Data (All data is based on 3000K color temperature and 45° tilt)

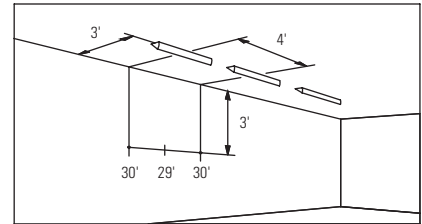


**Color Temperature:** 3000K

**Max. Tilt:** 45°

**Report No:** 22906

**Example:** With multiple units located 3' from wall and spaced 4' on center, the illumination on the wall 3' down from ceiling will be 30 f.c. beneath units and 29 f.c. between units. Footcandle values are averaged and rounded off and are based on a minimum of five units.

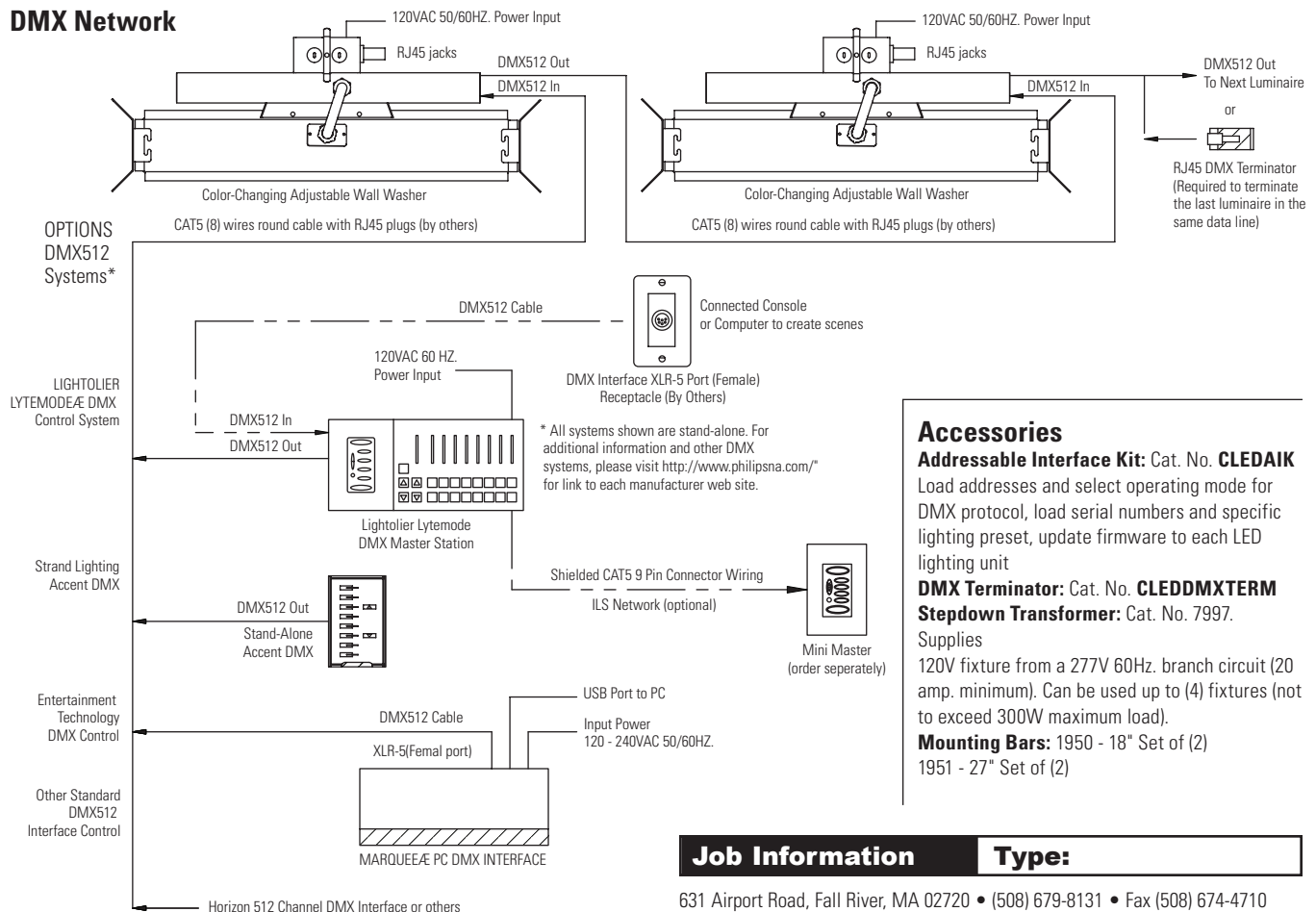


2' From Wall - Single						2' From Wall - 2' On Center				2' From Wall - 3' On Center				2' From Wall - 4' On Center			
1	1	12	56	12	1	1	84	83	84	1	64	48	64	1	59	25	59
2	2	17	49	17	2	2	87	87	87	2	61	56	61	2	53	34	59
3	2	12	26	12	2	3	57	57	57	3	38	38	38	3	31	26	31
4	2	7	12	7	2	4	31	31	31	4	21	21	21	4	16	15	16
5	1	4	5	4	1	5	18	18	18	5	12	12	12	5	9	9	9
6	1	2	3	2	1	6	11	11	11	6	8	7	8	6	5	5	5
7	1	1	1	1	1	7	8	8	8	7	5	5	5	7	4	4	4
8	1	1	1	1	1	8	6	6	6	8	4	4	4	8	3	3	3
9	0	1	1	1	0	9	4	4	4	9	3	3	3	9	2	2	2

3' From Wall - Single						3' From Wall - 3' On Center				3' From Wall - 4' On Center				3' From Wall - 5' On Center				3' From Wall - 6' On Center			
1	2	10	25	10	2	1	34	32	34	1	28	20	28	1	27	13	27	1	26	8	25
2	3	13	27	13	3	2	41	41	41	2	33	28	33	2	30	19	30	2	28	13	28
3	3	13	23	13	3	3	40	40	40	3	30	29	30	3	26	21	26	3	25	15	25
4	3	10	15	10	3	4	31	31	31	4	23	23	23	4	19	18	19	4	17	13	17
5	3	7	9	7	3	5	22	22	22	5	16	16	16	5	13	13	13	5	11	10	11
6	2	4	5	4	2	6	15	15	15	6	11	11	11	6	9	9	9	6	7	7	7
7	2	3	3	3	2	7	10	10	10	7	7	7	7	7	6	6	6	7	5	5	5
8	1	2	2	2	1	8	7	7	7	8	5	5	5	8	4	4	4	8	3	3	3
9	1	1	1	1	1	9	5	5	5	9	4	4	4	9	3	3	3	9	3	3	3

## DMX Network



## Accessories

**Addressable Interface Kit:** Cat. No. CLEDAIK

Load addresses and select operating mode for DMX protocol, load serial numbers and specific lighting preset, update firmware to each LED lighting unit

**DMX Terminator:** Cat. No. CLEDDMXTERM

**Stepdown Transformer:** Cat. No. 7997.

**Supplies**

120V fixture from a 277V 60Hz. branch circuit (20 amp. minimum). Can be used up to (4) fixtures (not to exceed 300W maximum load).

**Mounting Bars:** 1950 - 18" Set of (2)

1951 - 27" Set of (2)

## Job Information

## Type:

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