LIGHTOLIER®

Calculite® ColorWash **C4X9LEDLW240**

4 1/2" X 9 1/8" Aperture, LED Color-Changing Matrix® Wall Washer for Export

Ordering Information

Solid State Lighting Unit			Light Source	Frame-In Kit	Line Voltage
White Flange	Polished Flange	Finish			
C4X9LEDLWCLW	**C4X9LEDLWCLP**	Specular Clear		**C4X9CCLEDLW240**	240, 50Hz
C4X9LEDLWCCLW	**C4X9LEDLWCCLP**	Comfort Clear	RGBA LED Array		
C4X9LEDLWCCDW	**C4X9LEDLWCCDP**	Comfort Clear Diffuse			

Features

1. **Heat Sink Housing:** Die-cast aluminum, design thermally optimized to reduce LED junction temperature to maintain light output, color and life.
2. **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.
3. **Aperture Cone:** Pre-finished aluminum, 55° visual and reflected cutoff. Overlap flange accommodates different ceiling types, white or polished flange. Precision mitered flange corner. 4. MicroBlend optics: Internal collective mixing technology ensures smooth washing and color uniformity and eliminates undesirable color fringing.
5. **Aperture Lens:** Tempered glass, fine texture provides additional mixing at the aperture and minimizes the appearance of the individual RGBA sources.
6. **Torsiontite Springs:** Secure solid state lighting module tight against ceiling surface without sagging. Accommodates ceilings from ½" to 2" thick.
7. **Power Supply Unit/Slave Control Drive Module:** PSU: 240VAC 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.
8. **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, CAT5 round, 8 conductor, twisted pair, network cables (not supplied).
9. **Flexible Metal Conduit/Quick Connector:** Quick connector for easy field data connection.
10. **Mounting Frame:** 0.048" thk., galv. steel.

Features (continued)

11. **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.
12. **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.
13. **Junction Box:** UL and cUL Listed for through branch circuit wiring with max. of (8) No. 12 AWG, 90ºC supply conductors.
14. **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

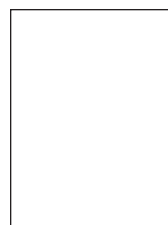240V, 50/60Hz: Input Watts: 75W Max.

Labels

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

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

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Lighting Data   (All data is based on 3000K color temperature)

Color Temperature: 3000K

Report No: 22905

Example: With multiple units located 3' from wall and spaced 4' on center, the illumination on the wall 3' down from ceiling will be 20 f.c. beneath units and 16 f.c. between units. Footcandle values are averaged and rounded off and are based on a minimum of five units.

2' From Wall - Single
1	1	4	27	4	1
2	1	8	34	8	1
3	1	9	24	9	1
4	2	7	14	7	2
5	2	5	8	5	2
6	1	3	5	3	1
7	1	2	3	2	1
8	1	2	2	2	1
9	1	1	1	1	1

2' From Wall - 2' On Center
1	38	34	38
2	54	52	54
3	46	45	46
4	33	33	33
5	24	24	24
6	18	18	18
7	13	13	13
8	10	10	10
9	9	8	9

2' From Wall - 3' On Center
1	31	18	31
2	41	30	41
3	32	29	32
4	23	22	23
5	16	16	16
6	12	12	12
7	9	9	9
8	7	7	7
9	6	6	6

2' From Wall - 4' On Center
1	28	9	28
2	37	17	37
3	27	18	27
4	18	15	18
5	12	11	12
6	9	9	9
7	7	7	7
8	5	5	5
9	4	4	4

3' From Wall - Single
1	1	3	8	3	1
2	1	6	15	6	1
3	2	7	15	7	2
4	2	7	13	7	2
5	2	6	9	6	2
6	2	5	6	5	2
7	2	3	4	3	2
8	2	3	3	3	2
9	1	2	2	2	1

3' From Wall - 3' On Center
1	12	10	12
2	22	20	22
3	25	24	25
4	23	23	23
5	19	19	19
6	16	16	16
7	13	13	13
8	10	10	10
9	9	8	9

3' From Wall - 4' On Center
1	10	7	10
2	18	13	18
3	20	18	20
4	18	16	18
5	14	14	14
6	12	11	12
7	9	9	9
8	7	7	7
9	6	6	6

3' From Wall - 5' On Center
1	9	3	9
2	16	6	16
3	18	12	18
4	16	12	16
5	12	11	12
6	10	9	10
7	8	7	8
8	6	6	6
9	5	5	5

3' From Wall - 6' On Center
1	9	3	9
2	16	6	16
3	17	8	17
4	14	9	14
5	11	8	11
6	8	7	8
7	7	6	7
8	5	5	5
9	4	4	4

DMX Network

240VAC 50/60HZ. Power Input
RJ45 jacks
DMX512 Out
DMX512 In
Color-Changing Lensed Wall Washer
CAT5 (8) wires round cable with RJ45 plugs (by others)

240VAC 50/60HZ. Power Input
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DMX512 Out
To Next Luminarie
or
RJ45 DMX Terminator
(Required to terminate the last luminaire in the same data line)

Connected Console or Computer to create scenes

DMX512 Cable

OPTIONS DMX512 Systems*

120VAC 60 HZ. Power Input

DMX Interface XLR-5 Port (Female) Receptacle (By Others)
* All systems shown are stand-alone. For additional information and other DMX systems, please visit http://www.genlyte.com/" for link to each manufacturer web site.

DMX512 In
DMX512 Out

LIGHTOLIER LYTEMODEÆ DMX CONTROL SYSTEM

Lightolier Lytemode DMX Master Station

DMX512 Out
Stand-Alone
Accent DMX

Strand Lighting Accent DMX

Shielded CAT5 9 Pin Connector Wiring
ILS Network (optional)

Mini Master (order seperately)

USB Port to PC

DMX512 Cable

Entertainment Technology DMX Control

Input Power
120 - 240VAC 50/60HZ.

XLR-5(Femal port)

Other Standard DMX512 Interface Control

MARQUEEÆ PC DMX INTERFACE

Horizon 512 Channel DMX Interface or others

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).

Job Information | Type:

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
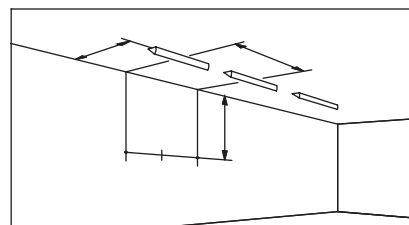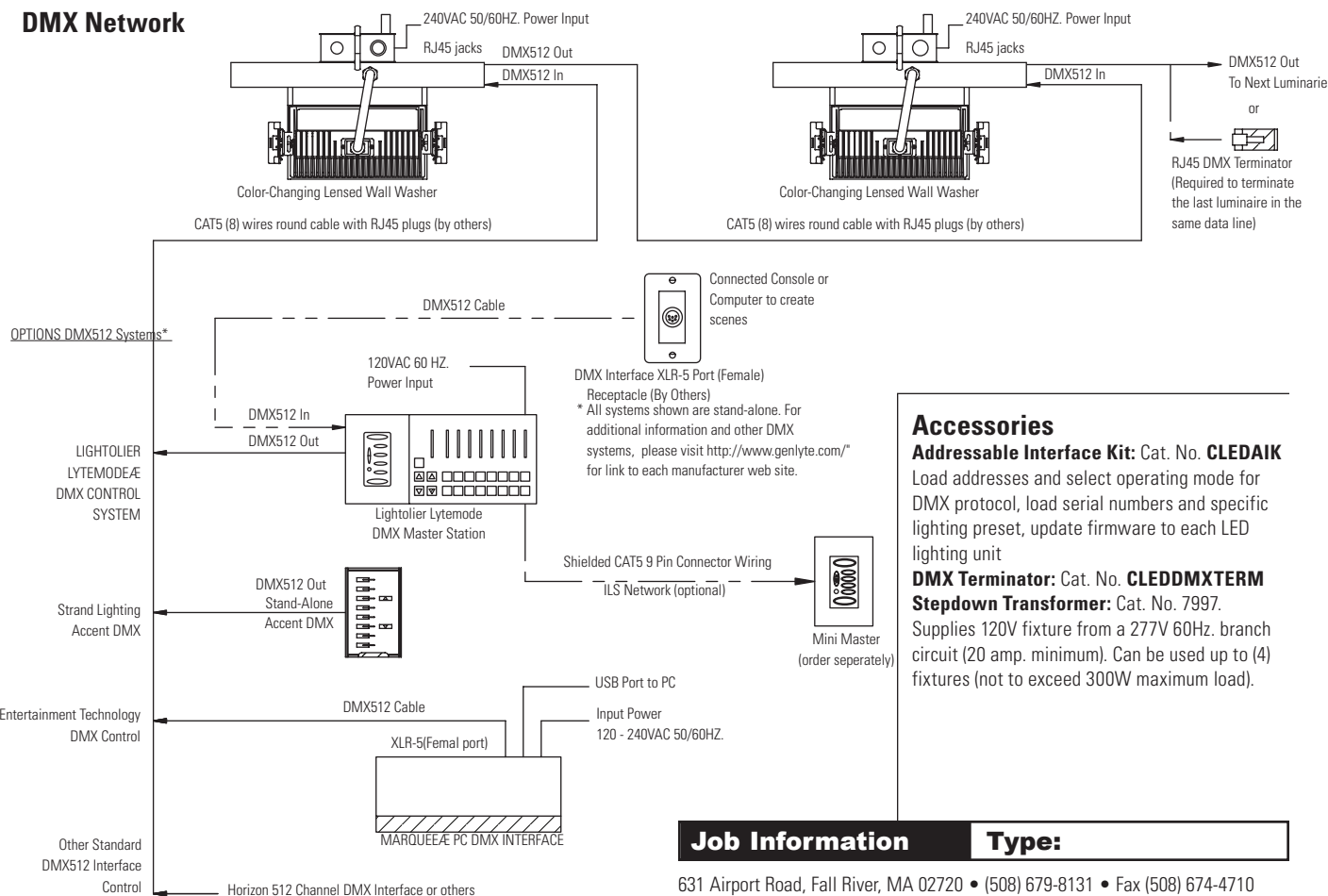www.lightolier.com © 2008 Philips Group • A0708

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