RXCM-LED

Cleanroom LED Corner

PRODUCT SPECIFICATION

Cleanrooms, laboratories, research facilities, kitchen areas, natatoriums

Job Name

Fixture Type

Catalog No.

Approval Date

Mounting
Surface mounts to corner.

Housing
18 gauge cold rolled steel with seams welded and ground smooth. 304 Stainless steel available.

Door
Overlapping, 18 gauge cold rolled steel door with 14 gauge lens retainers. 304 Stainless steel available.

Internal Lens
Optic Plus lens (standard) completely hides diode image while providing greater than 90% light transmission.

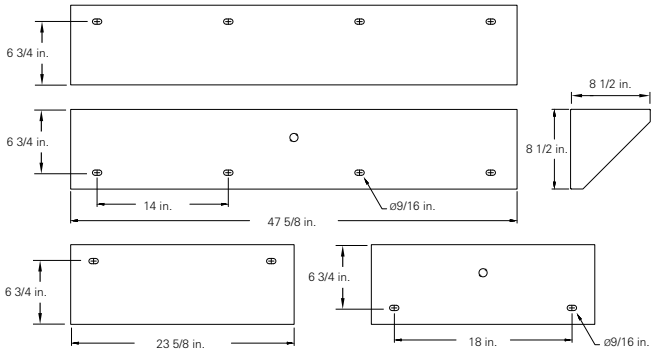
Finish
Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. Brushed stainless steel available.

Hardware
Stainless steel fasteners.

Driver
0-10Vdc 1% dimming, >0.9 PF, <20% THD
Factory programmable, Operating temp -40°C Min. to 50°C Max

Wiring
Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

Certifications
UL Listed wet location. IP66, and NEMA4 / 4X Rated. Suitable for use in ISO-3 clean rooms (209E Class 1). MIL146 rated. Suitable for use in Natatorium Environments. USP 797 and USP 800 compliant.



one	two	three	four	five	six	seven	eight	nine	ten	eleven
RXCM		-		-	/	-		-	VAR	DM	-		-		-	

one — Luminaire Size
- 2 — 2 ft fixture
- 4 — 4 ft fixture

two — LED Source
Refer to the LED Source Table on Page 2 for available options.

three — Color Temperature
- 30 — 3000K
- 35 — 3500K
- 40 — 4000K
- 50 — 5000K

four — CRI
- 80 — 80 CRI
- 90 — 90 CRI

five — Material
- A — Aluminum
- C — Cold rolled steel, standard
- S — 304 Stainless steel

six — Finish
- R — Brushed (Stainless steel only)
- W — White

seven — Voltage
- VAR — Variable, 120-277 V, 50/60Hz

eight — Driver
- DM — 0-10Vdc Dimming, standard

nine — Internal Lens
- 122 — Optic Plus LED diffusing acrylic, standard
- 122R — Optic Plus with RF grid, Must be used with RF filter*
- 130 — .125 in. LED diffusing Lexan

ten — Electrical access
- A — 2.250 in. diameter access hole
- K — 0.875 in. diameter knockout

eleven — Options
- 2C — Two-circuit wired
- AM — Anti-microbial coating (exposed areas)
- CU — Canadian UL Listing
- EM — Emergency battery backup
- FH — Fuse and holder
- IMS — Integral Occ Sensor
- NL-LED — Night light, LED
- RF — Radio interference filter, one per circuit*
- TP — Stainless steel torx head fasteners w/ pin
- WM — Wall mount (No top holes)
- RMxx*[1] — Row mounting
  Includes Chase Nipple(s), PVC Gasket(s), and Sealing Locknut(s)

*[1] *xx = Length of row in feet*

NAT Natatorium Environments — Must use aluminum or stainless steel housing and doors for natatorium use.

Modifications are available to meet custom requirements.
Specifications and dimensions are subject to change without notice.

CRI	LED Life
>80	>100,000

LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
2' Fixture									
1W21	2022	118	2052	120	2113	124	2173	127	17.1
1W34	3332	116	3382	118	3481	121	3580	125	28.7
2W52	4979	126	5053	128	5202	131	5350	135	39.6
4' Fixture									
1W34	3309	127	3358	129	3457	132	3555	136	26.1
1W54	5198	127	5276	129	5431	132	5586	136	41.0
1W69	6664	122	6763	123	6962	127	7161	131	54.8
2W94	9063	127	9198	129	9469	132	9739	136	71.5
2W113	10831	126	10993	128	11316	132	11639	135	86.0
2W139	13327	122	13526	123	13924	127	14322	131	109.6

Delivered lumen output calculated using 122 inner lens (Highlighted below).

Lens Multiplier - Use the multipliers below to adjust the delivered lumens		
Internal Lens		
122	Optic Plus diffusing acrylic	1.00
130	.118 opal polycarbonate	.94

Specified Output Option

L.C. Doane programmable drivers allows us to deliver a specific lumen output. If none of the options in the chart above fit your application, let us know the desired lumen output and we will do the rest. See the example how this will be specified.

Example Model:
RXCM-XX[1]SO-40/80-DCW-VARDM-122/32-(XX[2]/LUMENS)

LUMENS = You provide the lumens.
XX[1] = We will determine the number of rows.
XX[2] = We will provide the wattage information.

Photometric Data @ 80 CRI with 122 lens

Use the multipliers below to adjust the delivered lumens

33 lens multiplier	.86
90 CRI multiplier	.83