



# RXC-LED Red

Cleanroom Vivarium low profile LED Ceiling surface or grid 15/16 to 1-1/2 in. T-grid ceiling

For use in cleanroom vivarium applications.

PRODUCT SPECIFICATION

## Mounting

Ceiling surface or recessed grid - 15/16" to 1-1/2" T Grid.  
Knockouts for earthquake cable supports provided.

## Housing

18 gauge cold rolled steel die-formed to shape with seams welded, ground smooth, and caulked airtight. Aluminum and 304 stainless steel available.

## Door

One-piece 18 gauge cold rolled steel, gasketed and sealed overlapping door. Aluminum and 304 stainless steel available.

## 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

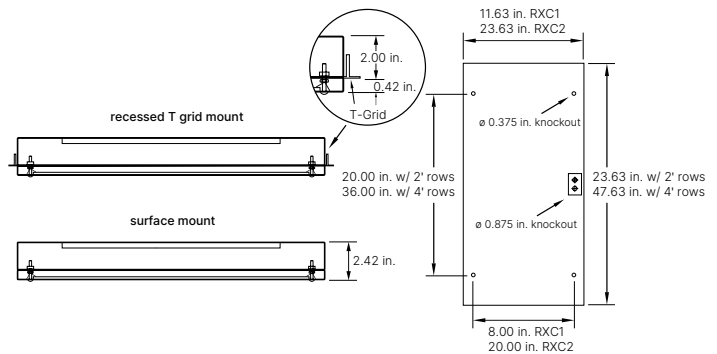
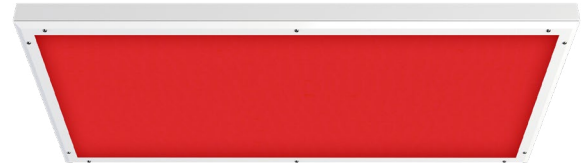
UL Listed wet location. IC, IP66, and NEMA4 / 4X Rated.  
Suitable for use in ISO-3 clean rooms (209E Class 1).  
USP 797 and USP 800 compliant.  
Suitable for biosafety labs rated BSL 1-4.

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog No. \_\_\_\_\_

Approval \_\_\_\_\_ Date \_\_\_\_\_



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

<b>one</b> Luminaire Size	12 1 x 2, two rows max	14 1 x 4, two rows max	22 2 x 2, four rows max	24 2 x 4, four rows max	<b>six</b> Housing Finish	R Brushed (Stainless steel only)	W White	<b>seven</b> Door Material	A Aluminum	C Cold rolled steel, <u>standard</u>	S 304 Stainless steel	<b>eight</b> Door Finish	R Brushed (Stainless steel only)	W White	<b>nine</b> Voltage	VAR Variable, 120-277 V, 50/60Hz	<b>ten</b> Driver	DM 0-10Vdc Dimming, <u>standard</u>	<b>eleven</b> Internal Lens	122 Optic Plus LED diffusing acrylic, standard	122R Optic Plus with RF grid, <u>Must be used with RF filter</u> * <sup>1</sup>	130 .125 in. LED diffusing Lexan	<b>twelve</b> Options	2C Two circuit wired	AM Anti-microbial coating ( <u>door only</u> ) Grid Mounting	AMH Anti-microbial coating ( <u>door and housing</u> ) Surface Mounting	CU Canadian UL Listing	CP CCEA Chicago	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	NS NSF listing (refer to the NSF version of this cut sheet)
<b>two</b> LED Source	Refer to the LED Source Table on Page 2 for available options.																																		
<b>three</b> Color Temperature	30 3000K	35 3500K	40 4000K	50 5000K	Leave blank for RED-LED only.																														
<b>four</b> CRI	80 80 CRI	90 90 CRI																																	
<b>five</b> Housing Material	A Aluminum	C Cold rolled steel, <u>standard</u>	S 304 Stainless steel																																

The L.C. Doane outset door mechanically clamps to grid ceiling framing members firmly securing the fixture to the T-Grid. Four knock-outs are also provided, one in each corner of the fixture, for seismic support wire attachment (by others).

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

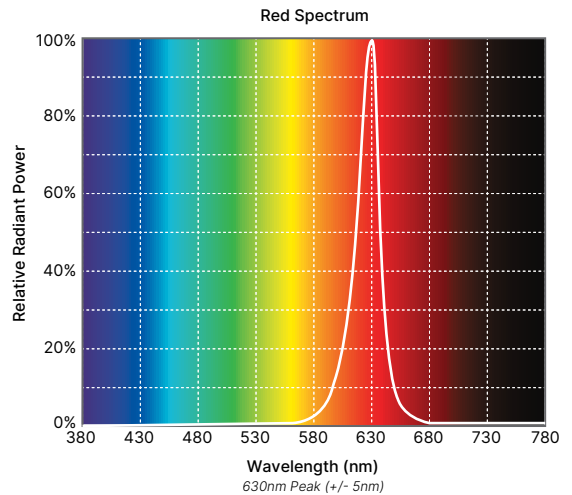
CRI	LED LIFE
>80	>100,000

Red/White LED (Each color on a dedicated circuit.)

LED Source (Box 2)	Red		3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	Watts	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
<b>1' x 4' Fixture</b>											
1R/1W55	1153	22	4869	119	4942	121	5087	124	5232	128	41.0
1R/1W70	1153	22	6241	114	6335	116	6521	119	6707	122	54.8
<b>2' x 2' Fixture</b>											
2R/2W55	1153	22	5285	133	5364	135	5521	139	5679	143	39.6
2R/2W70	1153	22	7073	129	7179	131	7390	135	7601	139	54.8
<b>2' x 4' Fixture</b>											
1R/2W55	1153	22	5328	146	5407	148	5566	152	5725	156	36.6
1R/2W90	1153	22	8822	138	8954	141	9218	145	9481	149	63.7
1R/2W120	1153	22	11813	137	11990	139	12342	144	12695	148	86.0
2R/2W55	2306	44	5328	146	5407	148	5566	152	5725	156	36.6
2R/2W90	2306	44	8822	138	8954	141	9218	145	9481	149	63.7
2R/2W120	2306	44	11813	137	11990	139	12342	144	12695	148	86.0

Red LED Only

LED Source (Box 2)	Size	Delivered Lumens	Watts
1R	1' x 4'	1153	22
2R	2' x 2'	1153	22
2R	2' x 4'	2306	44



## Specified Output Option

LC 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 for a 2x4 on how this will be specified:

### Example Model:

RXC24-1RXX<sup>1</sup>SO-40/80-CW/CW-VARDM-122-(XX<sup>2</sup>/LUMENS)

**LUMENS** = You provide the lumens.

**XX<sup>1</sup>** = We will determine the number of rows.

**XX<sup>2</sup>** = We will provide the wattage information.

### Photometric Data @ 80 CRI with 122 lens

90 CRI multiplier

.83