



# RXF-LED

Cleanroom **LED** Recessed Flange

## PRODUCT SPECIFICATION

Cleanrooms, laboratories, research facilities, kitchen areas, vivariums, natatoriums

### Mounting

Mounts recessed in ceiling via swing brackets that extend and clamp with a single screw action.

### Housing

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

### Door

One-piece 18 gauge cold rolled steel, gasketed and sealed overlapping door. Freedom Hinge design permits removal and hinging from either side. Aluminum and stainless steel available.

### Lens

Optic Plus lens (standard) completely hides diode image while providing minimum 95% light transmission.

### Finish

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

### Hardware

Recessed Stainless steel fasteners.

### Driver

0-10Vdc dimming, Range 1%-100%  
-40°C Min. starting temperature, >0.9 PF, <20% THD

### 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, IP65 rated, IC Rated, certified NSF2 for splash/non-food zones (option). Suitable for use in ISO-3 clean rooms (209E Class 1).

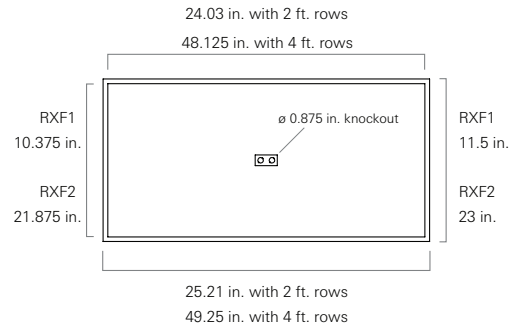
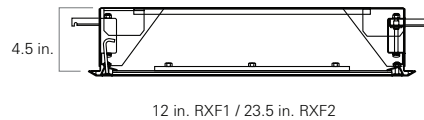


Job Name \_\_\_\_\_

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

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

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



RXF  -  -  /  -   -   -   /  -

one two three four five six seven eight nine ten eleven

### one Luminaire Size

- 14 1 x 4 - three rows max
- 22 2 x 2
- 24 2 x 4

### two LED Rows

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 Door Material

- A Aluminum
- C Cold rolled steel
- S Stainless steel

### six Door Finish

- R Brushed stainless steel
- W White

### seven Voltage

- 120 120 V
- 277 277 V
- VAR Variable, 120-277 V, 50/60Hz

### eight Driver

- DM 0-10VDC Dimming, standard

### nine Internal Lens

- 122 Optic Plus LED diffusing acrylic lens, std
- 122R Optic Plus with RF grid Must be used with RF filter\*

### ten External Lens

- 00 No external lens
- 33 .125 in. clear polycarbonate lens

### eleven Options

- 2C Two circuit wired
- AM Anti-microbial coating (exposed areas)
- CU Canadian UL Listing
- CP CCEA Chicago
- EM Emergency battery backup
- FH Fuse and holder
- IMS Integral Occ Sensor
- NL-LED LED night light
- NS NSF listing
- PF Plaster frame
- RF Radio interference filter, one per circuit\*
- TP Stainless steel torx head fasteners
- AH Painted aluminum housing
- SH Painted stainless steel housing
- SB Brushed stainless steel housing

Modifications are available to meet custom requirements.

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	
<b>1' x 4' Fixture</b>									
1W55	5077	118	5152	120	5304	124	5455	127	42.9
2W75	7583	119	7696	121	7922	124	8149	128	63.7
2W100	9746	119	9892	121	10182	124	10473	128	82.0
2W130	12493	114	12680	116	13053	119	13426	123	109.6
<b>2' x 2' Fixture</b>									
2W55	5230	128	5308	129	5465	133	5621	137	41.0
2W70	6705	122	6805	124	7005	128	7205	131	54.8
4W80	8139	128	8260	130	8503	133	8746	137	63.7
4W100	10461	128	10617	129	10929	133	11241	137	82.0
4W140	13409	122	13610	124	14010	128	14410	131	109.6
6W180	17634	126	17897	127	18424	131	18950	135	140.5
6W200	20114	122	20414	124	21015	128	21615	131	164.4
<b>2' x 4' Fixture</b>									
2W55	5498	132	5580	134	5744	138	5909	142	41.7
2W90	8852	124	8984	126	9248	129	9513	133	71.5
2W120	11413	122	11583	124	11924	127	12264	131	93.7
3W160	15869	123	16106	125	16580	129	17053	132	128.9
3W200	19526	119	19818	121	20401	124	20983	128	164.4
4W230	22825	122	23166	124	23847	127	24529	131	187.3
4W270	26035	119	26424	121	27201	124	27978	128	219.1

## 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:**

RXF24-XX<sup>1</sup>SO-40/80-CW-VARDM-122/00-(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**

33 lens multiplier	.88
90 CRI multiplier	.83

