



# RXF-LED RED

Cleanroom **LED** Recessed Flange

## PRODUCT SPECIFICATION

Cleanrooms, laboratories, research facilities, kitchen areas, vivariums, natatoriums, food processing.

### 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 greater than 90% light transmission.

### Finish

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

### Hardware

Recessed Stainless steel fasteners.

### Driver

0-10Vdc dimming, Range 1%-100%. Factory programmable -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).

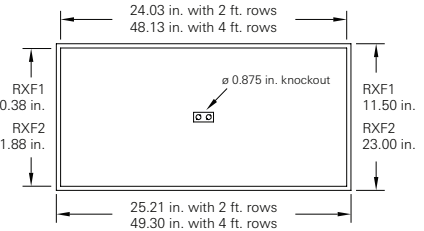
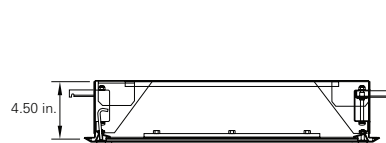


Job Name \_\_\_\_\_

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

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

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



### one Luminaire Size

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

### 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
- Leave blank for RED-LED only.*

### four Door Material

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

### five Door Finish

- R Brushed stainless steel
- W White

### six Voltage

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

### seven Driver

- DM 0-10VDC Dimming, standard

### eight Internal Lens

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

### nine External Lens

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

### ten 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 Night light, LED
- NS NSF listing
- PF Plaster frame
- RF Radio interference filter, one per circuit\*
- TP Stainless steel torx head fasteners\*\*

### Housing Material

- AH Aluminum
- SH Stainless steel

**\*\* Not available with NSF option**

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

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	5077	118	5152	120	5304	124	5455	127	42.9
1R/2W75	1153	22	7583	119	7696	121	7922	124	8149	128	63.7
<b>2' x 2' Fixture</b>											
2R/2W55	1153	22	5230	128	5308	129	5465	133	5621	137	41.0
2R/2W70	1153	22	6705	122	6805	124	7005	128	7205	131	54.8
<b>2' x 4' Fixture</b>											
1R/2W55	1153	22	5498	132	5580	134	5744	138	5909	142	41.7
1R/2W90	1153	22	8852	124	8984	126	9248	129	9513	133	71.5
1R/2W120	1153	22	11413	122	11583	124	11924	127	12264	131	93.7
2R/2W55	2306	44	5498	132	5580	134	5744	138	5909	142	41.7
2R/2W90	2306	44	8852	124	8984	126	9248	129	9513	133	71.5
2R/2W120	2306	44	11413	122	11583	124	11924	127	12264	131	93.7

Red LED Only

LED Source (Box 2)	Size	Delivered Lumens	Input Power Red (W)
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:**

RXF24-1RXX<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	.86
90 CRI multiplier	.83

