



RXF1-LED

Cleanroom LED Recessed Flange

PRODUCT SPECIFICATION

Cleanrooms, laboratories, research facilities, food areas, natatoriums.

Mounting

Mounts recessed in metal pan or gypsum ceiling with universal mounting brackets.

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. Freedom Hinge™ design permits removal and hinging from either side. Aluminum and 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

.875 in. diameter knockout. 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 rated, IC Rated.
Suitable for use in ISO-3 clean rooms (209E Class 1).
Suitable for use in Natatorium Environments.
USP 797 and USP 800 compliant.
Suitable for biosafety labs rated BSL 1-4.

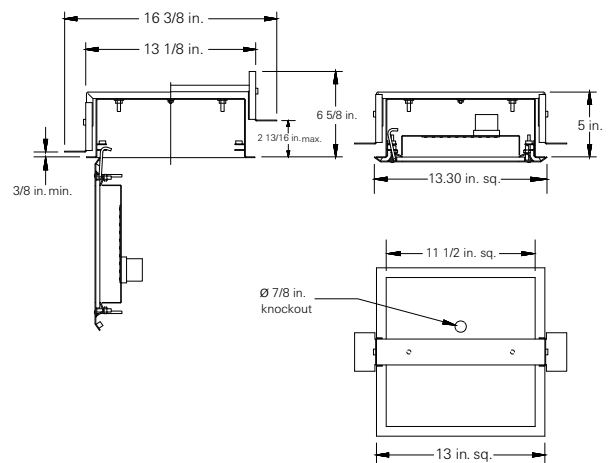
Job Name

Fixture Type

Catalog No.

Approval

Date



one two three four five six seven eight nine ten
RXF1 - - / - - VAR DM - / -

one	LED Source Refer to the LED Source Table on Page 2 for available options.	five	Finish R Brushed (Stainless steel only) W White	ten	Options AM Anti-microbial coating (exposed areas) CP CCEA Chicago CU Canadian UL Listing EM Emergency battery backup FH Fuse and holder 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)
two	Color Temperature 30 3000K 35 3500K 40 4000K 50 5000K	six	Voltage VAR Variable, 120-277 V, 50/60Hz		
three	CRI 80 80 CRI 90 90 CRI	seven	Driver DM 0-10Vdc Dimming, <u>standard</u>		
four	Door Material A Aluminum C Cold rolled steel S 304 Stainless steel	eight	Internal Lens 122 Optic Plus LED diffusing acrylic, <u>standard</u> 122R Optic Plus with RF grid *Must be used with RF filter 130 .125 in. LED diffusing Lexan		Housing Material AH Aluminum SH Stainless steel
		nine	External Lens 00 No external lens 33 .125 in. clear polycarbonate lens		



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.

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	
1' x 1' Fixture									
1W19	1772	104	1799	106	1852	109	1905	112	17.0
1W25	2373	103	2409	105	2479	108	2550	111	23.0
1W31	2920	101	2964	102	3051	105	3138	108	29.0

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 how this will be specified:

Example Model:

RXF1-1WSO-40/80-CW-VARDM-122/00-(XX/LUMENS)

LUMENS = You provide the lumens.

XX = We will provide the wattage information.

Photometric Data @ 80 CRI with 122 lens

33 lens multiplier	.86
90 CRI multiplier	.83