RXF1-LED

Cleanroom LED Recessed Flange

PRODUCT SPECIFICATION

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

Job Name

Fixture Type

Catalog No.

Approval Date

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.

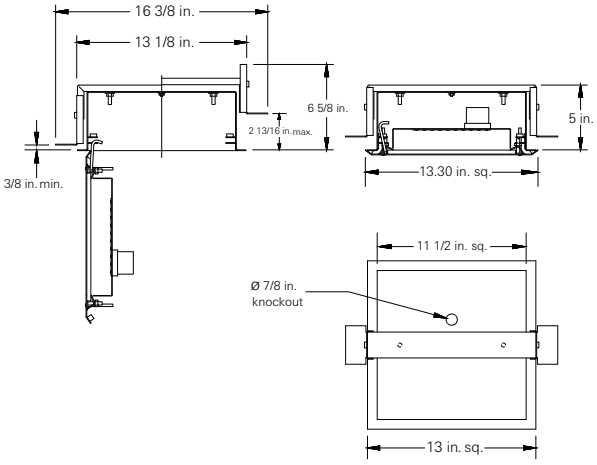
Finish
Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. Brushed stainless steel available.

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. MIL146 rated
Suitable for biosafety labs rated BSL 1-4.



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.

two Color Temperature
30 3000K
35 3500K
40 4000K
50 5000K

three CRI
80 80 CRI
90 90 CRI

four Door Material
A Aluminum
C Cold rolled steel
S 304 Stainless steel

five Finish
R Brushed (Stainless steel only)
W White

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

seven Driver
DM 0-10Vdc Dimming, standard

eight 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

nine External Lens
00 No external lens
33 .125 in. clear polycarbonate lens

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)

Housing Material
AH Aluminum
SH Stainless steel

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	
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-**1W**SO-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