



# RXR-LED

Cleanroom **LED** Grid / Flange 15/16 to 1-1/2 in. T-grid ceiling

## PRODUCT SPECIFICATION

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

### Mounting

Suitable for installation in recessed 15/16"-1.5" T-Grid or hard ceiling applications. Hard ceiling (flange) type mounts via swing arm brackets that extend and clamp with a single screw action. Swing arm bracket also serves as connection for earthquake cables.

### 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.

### 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 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).  
Suitable for use in Natatorium Environments. USP 797 and USP 800 compliant.

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

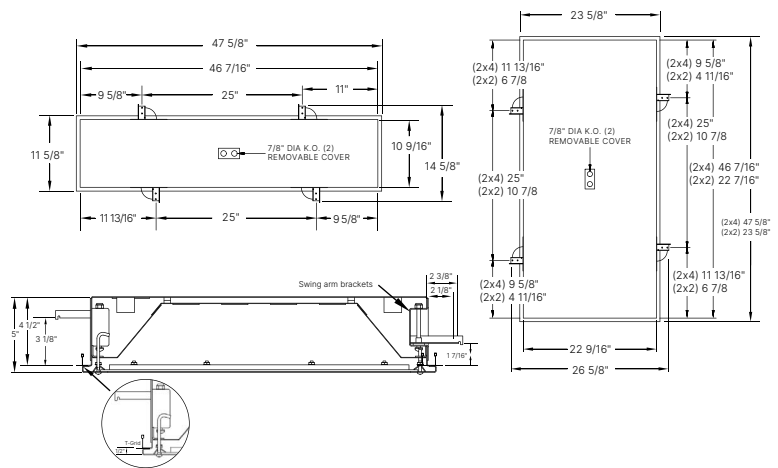
Fixture Type \_\_\_\_\_

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

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



Ceiling Grid / Flange Design



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

<p><b>one Luminaire Size</b></p> <p>14 1 × 4, <u>three rows max</u></p> <p>22 2 × 2</p> <p>24 2 × 4</p> <p><b>two LED Source</b></p> <p>Refer to the LED Source Table on Page 2 for available options.</p> <p><b>three Color Temperature</b></p> <p>30 3000K</p> <p>35 3500K</p> <p>40 4000K</p> <p>50 5000K</p> <p><b>four CRI</b></p> <p>80 80 CRI</p> <p>90 90 CRI</p>	<p><b>five Door Material</b></p> <p>A Aluminum</p> <p>C Cold rolled steel, <u>standard</u></p> <p>S 304 Stainless steel</p> <p><b>six Door Finish</b></p> <p>R Brushed (Stainless steel only)</p> <p>W White, <u>standard</u></p> <p><b>seven Voltage</b></p> <p>VAR Variable, 120-277 V, 50/60Hz</p> <p><b>eight Driver</b></p> <p>DM 0-10VDC Dimming</p> <p><b>nine Internal Lens</b></p> <p>122 Optic Plus LED diffusing acrylic, <u>standard</u></p> <p>122R Optic Plus with RF grid, <u>Must be used with RF filter*</u></p> <p>130 .125 in. LED diffusing Lexan</p>	<p><b>ten External Lens</b></p> <p>00 No external lens</p> <p>33 .125 in. clear polycarbonate lens</p> <p><b>eleven Options</b></p> <p>2C Two circuit wired</p> <p>AM Anti-microbial coating (exposed areas)</p> <p>CU Canadian UL Listing</p> <p>CP CCEA Chicago</p> <p>EM Emergency battery backup</p> <p>FH Fuse and holder</p> <p>IMS Integral Occ Sensor</p> <p>NL-LED Night light, LED</p> <p>PF Plaster frame</p> <p>RF Radio interference filter, one per circuit*</p> <p>TP Stainless steel torx head fasteners</p> <p>NS NSF listing (refer to the NSF version of this cut sheet)</p> <p><b>Housing Material</b></p> <p>AH Aluminum</p> <p>SH Stainless steel</p>
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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	
<b>1' x 4' Fixture</b>									
1W55	5160	126	5237	128	5391	131	5545	135	41.0
2W75	7543	126	7656	128	7881	132	8106	136	59.8
2W100	9883	125	10030	126	10325	130	10620	134	79.3
2W130	13228	121	13425	122	13820	126	14215	130	109.6
<b>2' x 2' Fixture</b>									
2W55	5212	127	5290	129	5445	133	5601	137	41.0
2W70	6681	122	6781	124	6980	127	7179	131	54.8
4W80	8110	127	8231	129	8473	133	8715	137	63.7
4W100	10424	127	10579	129	10890	133	11202	136	82.1
4W140	13362	122	13561	124	13960	127	14359	131	109.6
6W180	17572	125	17834	127	18358	131	18883	134	140.5
6W200	20043	122	20342	124	20940	127	21538	131	164.4
<b>2' x 4' Fixture</b>									
2W55	5617	141	5701	143	5869	147	6037	152	39.8
2W90	8953	132	9087	134	9354	138	9621	142	67.6
2W120	11754	131	11930	133	12281	137	12631	141	89.8
3W160	16279	132	16522	134	17008	138	17494	142	123.1
3W200	20868	127	21180	129	21802	133	22425	136	164.4
4W230	23509	131	23859	133	24561	137	25263	141	179.6
4W270	26131	129	26521	131	27301	134	28081	138	203.2
6W300	29322	136	29760	138	30635	142	31510	146	216.3
6W350	35263	131	35789	133	36842	137	37894	141	269.4
6W400	41736	127	42359	129	43605	133	44851	136	328.7

## Specified Output Option

L.C. 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:

RXR24-**XX**<sup>1</sup>SO-40/80-CW/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

Use the multipliers below to adjust the delivered lumens

33 lens multiplier	.86
90 CRI multiplier	.83