



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

Stainless steel fasteners

Driver

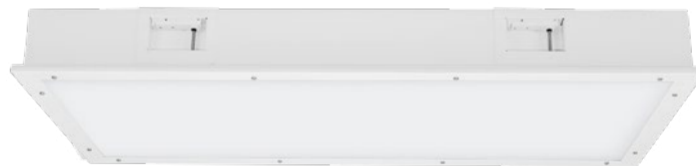
0-10Vdc 1% dimming, >0.9 PF, <20% THD
Factory programmable, Operating temp -40°C Min. to 50°C Max

Wiring

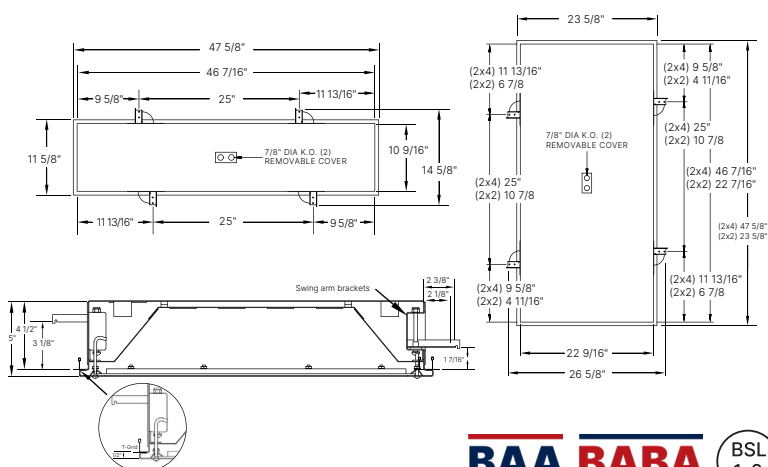
Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

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.
Suitable for biosafety labs rated BSL 1-2.



Ceiling Grid / Flange Design



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

one	Luminaire Size
14	1 × 4, <u>three rows max</u>
22	2 × 2
24	2 × 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

four	CRI
80	80 CRI
90	90 CRI

five	Door Material
A	Aluminum
C	Cold rolled steel, <u>standard</u>
S	304 Stainless steel

six	Door Finish
R	Brushed (Stainless steel only)
W	White, <u>standard</u>

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

eight	Driver
DM	0-10VDC Dimming

nine	Internal Lens
122	Optic Plus LED diffusing acrylic, <u>standard</u>
122R	Optic Plus with RF grid, <u>Must be used with RF filter*</u>
130	.125 in. LED diffusing Lexan

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 Plenum
EM	Emergency battery backup
FH	Fuse and holder
IMS	Integral Occ Sensor
NL-LED	Night light, LED
PF	Plaster frame
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 4' Fixture									
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
2' x 2' Fixture									
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
2' x 4' Fixture									
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 2'x4' on how this will be specified:

Example Model:

RXR24-**XX**¹SO-40/80-CW/CW-VARDM-122/00-(**XX**²/**LUMENS**)

LUMENS = You provide the lumens.

XX¹ = We will determine the number of rows.

XX² = 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