LCD

RXR-LED Red

Cleanroom   LED   Grid / Flange   15/16 to 1.5 in. T Grid

PRODUCT SPECIFICATION

For use in cleanroom vivarium applications.

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). USP 797 and USP 800 compliant.
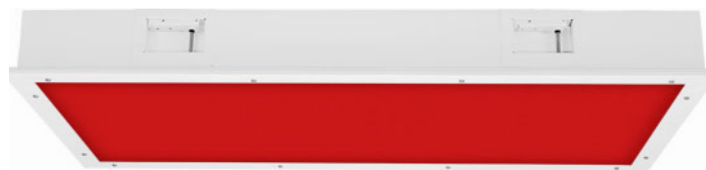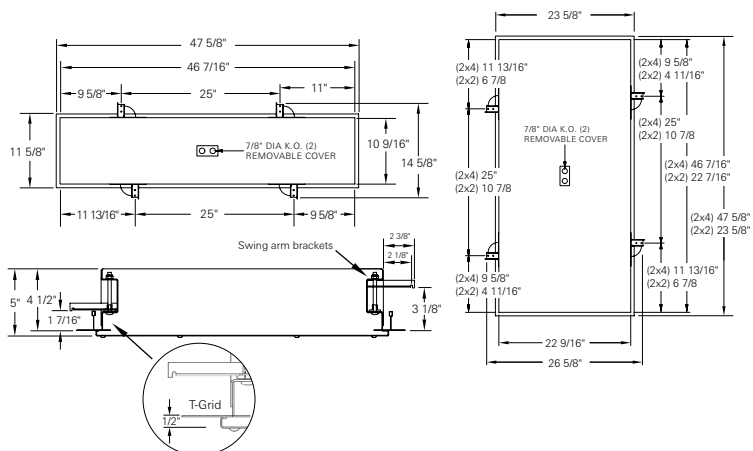
Job Name

Fixture Type

Catalog No.

Approval   Date

Ceiling Grid / Flange Design

FIVE YEAR WARRANTY | IP66 RATED | ISO3 | 209E CLASS 1 | W WET | CCEA Approved | IC Rated | c UL us | MADE IN USA

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

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 CRI
80   80 CRI
90   90 CRI

five Door Material
A   Aluminum
C   Cold rolled steel, standard
S   304 Stainless steel

six Door Finish
R   Brushed (Stainless steel only)
W   White, standard

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

eight Driver
DM   0-10VDC Dimming

nine 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

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

eleven 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
PF   Plaster frame
RF   Radio interference filter, one per circuit*
TP   Stainless steel torx head fasteners

Housing Material
AH   Aluminum
SH   304 Stainless steel

Modifications are available to meet custom requirements.
Specifications and dimensions are subject to change without notice.

RXR-LED Red (625nm +/-5 Peak)

	CRI	LED Life
	>80	>100,000

Red/White LED (Each color on a dedicated circuit.)

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	
1' x 4' Fixture											
1R/1W55	1153	22	5160	126	5237	128	5391	131	5545	135	41.0
1R/2W75	1153	22	7543	126	7656	128	7881	132	8106	136	59.8
2' x 2' Fixture											
2R/2W55	1153	22	5212	127	5290	129	5445	133	5601	137	41.0
2R/2W70	1153	22	6681	122	6781	124	6980	127	7179	131	54.8
2' x 4' Fixture											
1R/2W55	1153	22	5617	141	5701	143	5869	147	6037	152	39.8
1R/2W90	1153	22	8953	132	9087	134	9354	138	9621	142	67.6
1R/2W120	1153	22	11754	131	11930	133	12281	137	12631	141	89.8
2R/2W55	2306	44	5617	141	5701	143	5869	147	6037	152	39.8
2R/2W90	2306	44	8953	132	9087	134	9354	138	9621	142	67.6
2R/2W120	2306	44	11754	131	11930	133	12281	137	12631	141	89.8

Red LED Only

LED Source (Box 2)	Size	Delivered Lumens	Watts
1R	1' x 4'	1153	22
2R	2' x 2'	1153	22
2R	2' x 4'	2306	44

Red Spectrum

(625nm +/-5 Peak)
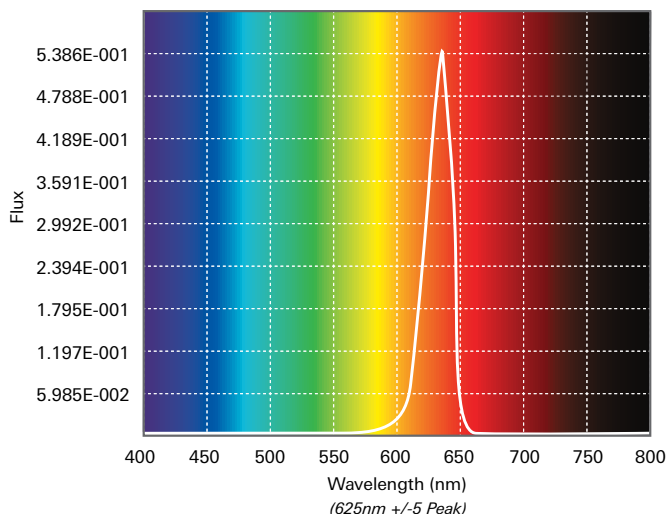
Specified Output Option

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:
RXR24-1R**XX¹**SO-40/80-CW-VARDM-122/00-(**XX²**/**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