



RXS-LED Red

Cleanroom **LED** Ceiling surface or grid 15/16 to 1-1/2 in. T-grid ceiling

PRODUCT SPECIFICATION

For use in cleanroom vivarium applications.

Mounting

Ceiling surface or recessed grid - 15/16" to 1-1/2" T Grid.

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. Aircraft cables connect door to housing. 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. 304 Brushed stainless steel available.

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.

Hardware

Stainless steel fasteners.

Certifications

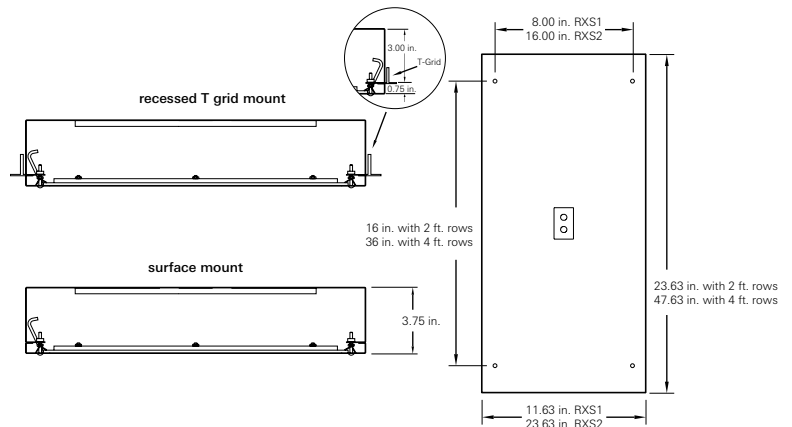
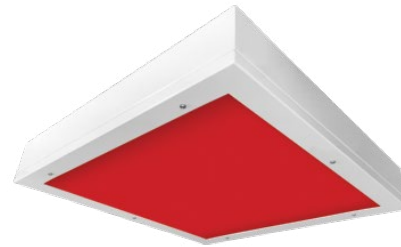
UL Listed wet location, IP66 rated.
Suitable for use in ISO-3 clean rooms (209E Class 1).
USP 797 and USP 800 compliant. Suitable for biosafety labs rated BSL 1-4.

Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____ Date _____



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

one	Luminaire Size	six	Door Material	eleven	External Lens
14	1 × 4, <u>three rows max</u>	A	Aluminum	00	No external lens
22	2 × 2	C	Cold rolled steel, <u>standard</u>	33	.125 in. clear polycarbonate
24	2 × 4	S	304 Stainless steel	twelve	Options
two	LED Source	seven	Door Finish	2C	Two circuit wired
	Refer to the LED Source Table on Page 2 for available options.	R	Brushed (Stainless steel only)	AM	Anti-microbial coating (<u>door only</u>) <u>Grid Mounting</u>
		W	White	AMH	Anti-microbial coating (<u>door and housing</u>) <u>Surface Mounting</u>
three	Color Temperature	eight	Voltage	CU	Canadian UL Listing
30	3000K	VAR	Variable, 120-277 V, 50/60Hz	CP	CCEA Chicago
35	3500K	nine	Driver	EM	Emergency battery backup
40	4000K	DM	0-10Vdc Dimming, <u>standard</u>	FH	Fuse and holder
50	5000K	ten	Internal Lens	IMS	Integral Occ Sensor
	<i>Leave blank for RED-LED only.</i>	122	Optic Plus LED diffusing acrylic, <u>standard</u>	NL-LED	Night light, LED
four	Housing Material	122R	Optic Plus with RF grid, <u>Must be used with RF filter*</u>	RF	Radio interference filter, one per circuit
A	Aluminum	130	.125 in. LED diffusing Lexan	TP	Stainless steel torx head fasteners w/ pin
C	Cold rolled steel, <u>standard</u>				
S	Stainless steel				
five	Housing Finish				
R	Brushed (Stainless steel only)				
W	White				

Note: The L.C. Doane outset door firmly secures the fixture to the T-Grid which should satisfy the need for earthquake clips. Four knock-outs are also provided, one in each corner of the fixture, for seismic support wire attachment (by others).

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

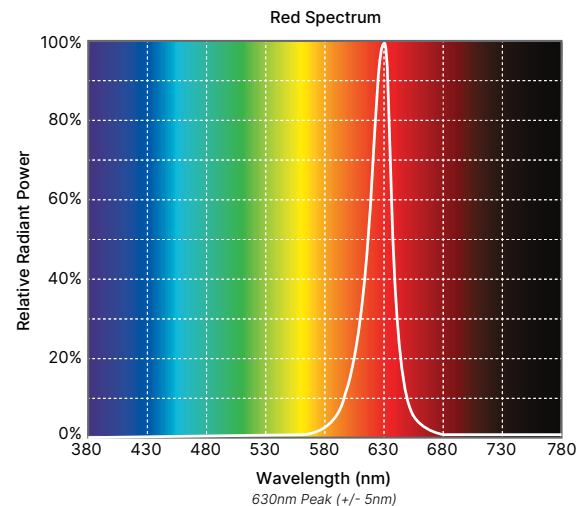
CRI	LED LIFE
>80	>100,000

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	4869	119	4942	121	5087	124	5232	128	41.0
1R/1W70	1153	22	6241	114	6335	116	6521	119	6707	122	54.8
2' x 2' Fixture											
2R/2W55	1153	22	5285	133	5364	135	5521	139	5679	143	39.6
2R/2W70	1153	22	7073	129	7179	131	7390	135	7601	139	54.8
2' x 4' Fixture											
1R/2W55	1153	22	5328	146	5407	148	5566	152	5725	156	36.6
1R/2W90	1153	22	8822	138	8954	141	9218	145	9481	149	63.7
1R/2W120	1153	22	11813	137	11990	139	12342	144	12695	148	86.0
2R/2W55	2306	44	5328	146	5407	148	5566	152	5725	156	36.6
2R/2W90	2306	44	8822	138	8954	141	9218	145	9481	149	63.7
2R/2W120	2306	44	11813	137	11990	139	12342	144	12695	148	86.0

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



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:

RXS24-1RXX¹SO-40/80-CW/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

33 lens multiplier	.86
90 CRI multiplier	.83