



# RXS-LED

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

## PRODUCT SPECIFICATION

Cleanrooms, laboratories, research facilities, kitchen areas, natatoriums

### Mounting

Ceiling surface or recessed grid - 15/16" to 1-1/2" T Grid. Knockouts for earthquake cable supports provided.

### 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.

### Driver

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

### Wiring

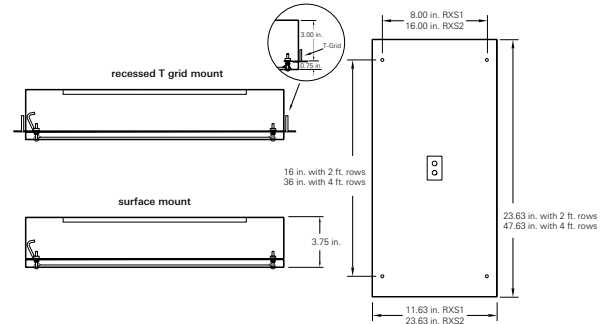
Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

### Hardware

Stainless steel fasteners.

### Certifications

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



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

### one Luminaire Size

- 12 1 x 2, three rows max
- 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

### four CRI

- 80 80 CRI
- 90 90 CRI

### five Housing Material

- A Aluminum
- C Cold rolled steel, standard
- S 304 Stainless steel

### six Housing Finish

- R Brushed (Stainless steel only)
- W White

### seven Door Material

- A Aluminum
- C Cold rolled steel, standard
- S 304 Stainless steel

### eight Door Finish

- R Brushed (Stainless steel only)
- W White

### nine Voltage

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

### ten Driver

- DM 0-10Vdc Dimming, standard

### eleven 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

### twelve External Lens

- 00 No external lens
- 33 .125 in. clear polycarbonate

### thirteen Options

- 2C Two circuit wired
- AM Anti-microbial coating (door only) Grid Mounting
- AMH Anti-microbial coating (door and housing) Surface Mounting
- CU Canadian UL Listing
- CP CCEA Chicago
- EM Emergency battery backup
- FH Fuse and holder
- IMS Integral Occ Sensor
- NL-LED Night light, LED
- RF Radio interference filter, one per circuit\*
- TP Stainless steel torx head fasteners
- NS NSF listing (refer to the NSF version of this cut sheet)

Note: The L.C. Doane outset door mechanically clamps to grid ceiling framing members firmly securing the fixture to the T-Grid. Four knock-outs are also provided, one in each corner of the fixture, for seismic support wire attachment (by others).



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 2' Fixture</b>									
1W20	1874	110	1902	111	1958	115	2014	118	17.1
1W32	3088	108	3134	109	3226	112	3318	116	28.7
2W51	4817	117	4889	119	5033	123	5177	126	41.0
2W65	6175	113	6267	114	6452	118	6636	121	54.8
<b>1' x 4' Fixture</b>									
1W55	4869	119	4942	121	5087	124	5232	128	41.0
1W70	6241	114	6335	116	6521	119	6707	122	54.8
2W100	8910	118	9043	120	9309	123	9575	127	75.4
2W120	10944	117	11107	119	11434	122	11761	126	93.7
2W140	12483	114	12669	116	13042	119	13415	122	109.6
<b>2' x 2' Fixture</b>									
2W55	5285	133	5364	135	5521	139	5679	143	39.6
2W70	7073	129	7179	131	7390	135	7601	139	54.8
4W95	9104	135	9240	137	9512	141	9783	145	67.6
4W120	11497	134	11669	136	12012	140	12355	144	86.0
4W145	14147	129	14358	131	14780	135	15202	139	109.6
6W180	17245	134	17503	136	18018	140	18532	144	129.0
6W220	21220	129	21537	131	22170	135	22804	139	164.4
<b>2' x 4' Fixture</b>									
2W55	5328	146	5407	148	5566	152	5725	156	36.6
2W90	8822	138	8954	141	9218	145	9481	149	63.7
2W120	11813	137	11990	139	12342	144	12695	148	86.0
2W150	14536	133	14753	135	15187	139	15621	143	109.6
3W185	18422	137	18697	139	19247	143	19797	147	134.7
3W220	21804	133	22129	135	22780	139	23431	143	164.4
4W270	26401	135	26795	137	27583	141	28371	145	195.3
4W300	29072	133	29506	135	30373	139	31241	143	219.2
6W350	34440	134	35969	139	37027	144	36085	140	257.9
6W400	40954	134	41565	136	42788	140	44010	144	304.8
6W450	43608	133	44258	135	45560	139	46862	143	328.7

## 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-XX'SO-40/80-CW/CW-VARDM-122/00-(XX<sup>2</sup>/LUMENS)

**LUMENS** = You provide the lumens.

**XX'** = We will determine the number of rows.

**XX<sup>2</sup>** = We will provide the wattage information.

### Photometric Data @ 80 CRI with 122 lens

33 lens multiplier	.86
90 CRI multiplier	.83

