



# RXS-LED

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

## PRODUCT SPECIFICATION

Cleanrooms, laboratories, research facilities, kitchen areas, vivariums, natatoriums

### Mounting

Ceiling surface or grid - 1" 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 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 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 dimming, Range 1%-100%, Factory programmable  
-40C Min. starting temperature, 0.9 PF, >20% THD

### 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 and certified NSF2 for splash/non-food zones (option). Suitable for use in ISO-3 clean rooms (209E Class 1).

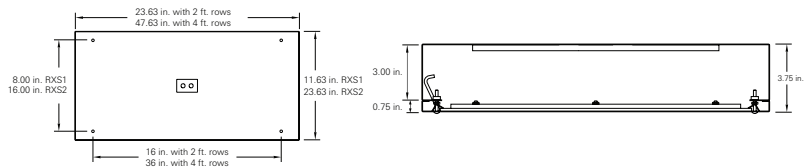


Job Name \_\_\_\_\_

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

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

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



RXS	one	two	three	four	five	six	seven	eight	nine	DM	ten	eleven	twelve	thirteen
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#### 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

#### four CRI

- 80 80 CRI
- 90 90 CRI

#### five Housing Material

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

#### six Housing Finish

- R Brushed stainless steel
- W White

#### seven Door Material

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

#### eight Door Finish

- R Brushed stainless steel
- W White

#### nine Voltage

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

#### ten Driver

- DM 0-10Vdc Dimming, standard

#### eleven Internal Lens

- 122 Optic Plus LED diffusing acrylic lens, std
- 122R Optic Plus with RF grid Must be used with RF filter\*

#### twelve External Lens

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

#### thirteen 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
- NS NSF listing
- RF Radio interference filter, one per circuit
- TP Stainless steel torx head fasteners\*\*

\*\*Not available with NSF option

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

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	5546	135	5628	137	5794	141	5959	145	41.0
1W70	7109	130	7215	132	7427	136	7639	139	54.8
2W100	10148	135	10299	137	10602	141	10905	145	75.4
2W120	12464	133	12651	135	13023	139	13395	143	93.7
2W140	14217	130	14430	132	14854	136	15278	139	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	5289	145	5368	147	5525	151	5683	155	36.6
2W90	8758	137	8889	140	9150	144	9412	148	63.7
2W120	11727	136	11902	138	12252	142	12602	147	86.0
2W150	14430	132	14645	134	15076	138	15506	141	109.6
3W185	18287	136	18560	138	19106	142	19652	146	134.7
3W220	21644	132	21967	134	22614	138	23260	141	164.4
4W270	26208	134	26599	136	27381	140	28164	144	195.3
4W300	28859	132	29290	134	30151	138	31013	141	219.2
6W350	35181	136	35706	138	36756	143	37806	147	257.9
6W400	40654	133	41261	135	42475	139	43688	143	304.8
6W450	43289	132	43935	134	45227	138	46519	142	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

