



RXS-LED AMBER

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

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

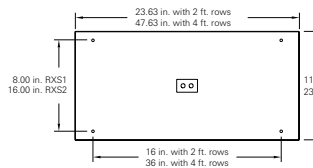
Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

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).



RXS	one	two	three	four	five	six	seven	eight	nine	ten	eleven	twelve
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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
- Leave blank for AMBER-LED only.*

four Housing Material

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

five Housing Finish

- R Brushed stainless steel
- W White

six Door Material

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

seven Door Finish

- R Brushed stainless steel
- W White

eight Voltage

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

nine Driver

- DM 0-10Vdc Dimming, standard

ten Internal Lens

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

eleven External Lens

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

twelve 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

Amber/White LED

LED Source (Box 2)	Amber		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											
1A/1W55	4208	56	5546	135	5628	137	5794	141	5959	145	41.0
1A/1W70	4208	56	7109	130	7215	132	7427	136	7639	139	54.8
2' x 2' Fixture											
2A/2W55	4208	56	5285	133	5364	135	5521	139	5679	143	39.6
2A/2W70	4208	56	7073	129	7179	131	7390	135	7601	139	54.8
2' x 4' Fixture											
1A/2W55	4208	56	5285	133	5364	135	5521	139	5679	143	39.6
1A/2W95	4208	56	8889	140	9150	144	9412	148	63.7	148	63.7
1A/2W120	4208	56	11727	136	11902	138	12252	142	12602	147	86.0
2A/2W55	8416	112	5285	133	5364	135	5521	139	5679	143	39.6
2A/2W95	8416	112	8889	140	9150	144	9412	148	63.7	148	63.7
2A/2W120	8416	112	11727	136	11902	138	12252	142	12602	147	86.0

Amber LED Only

LED Source (Box 2)	Size	Delivered Lumens	Input Power Red (W)
1A	1' x 4'	4208	56
2A	2' x 2'	4208	56
2A	2' x 4'	8416	112

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:

RXS24-1A**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

33 lens multiplier	.86
90 CRI multiplier	.83

