



RXS-LED Amber

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

PRODUCT SPECIFICATION

For use in cleanroom pharmaceutical 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. 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).
USP 797 and USP 800 compliant. MIL146 rated.

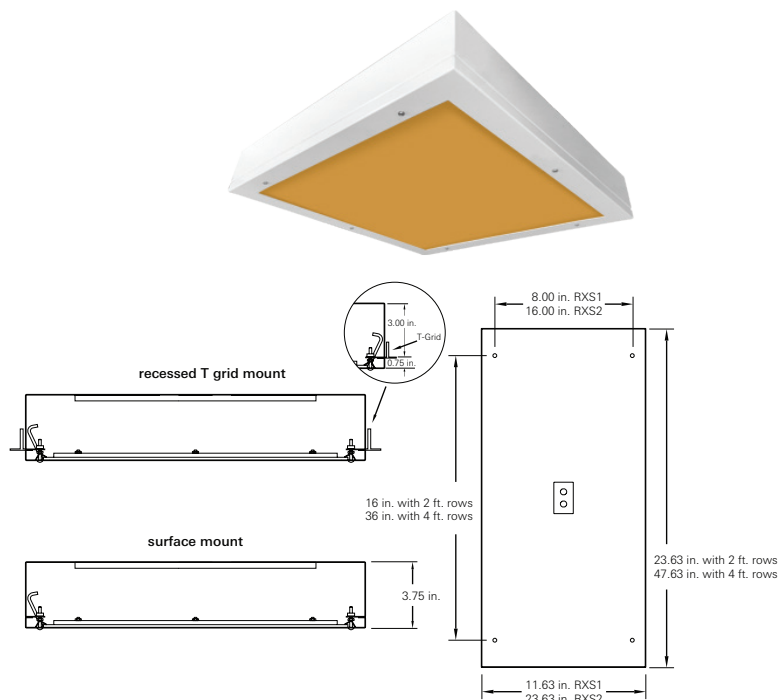
Job Name

Fixture Type

Catalog No.

Approval

Date



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

one Luminaire Size

14	1 × 4, <u>three rows max</u>
22	2 × 2
24	2 × 4

two LED Source

Refer to the LED Source Table on Page 2 for available options.

three Color

A	Pure Amber
APC	Phosphor Amber

four CRI

N/A	Not Applicable
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five Housing Material

A	Aluminum
C	Cold rolled steel, <u>standard</u>
S	304 Stainless steel

six Housing Finish

R	Brushed (Stainless steel only)
W	White

seven Door Material

A	Aluminum
C	Cold rolled steel, <u>standard</u>
S	304 Stainless steel

eight Door Finish

R	Brushed (Stainless steel only)
W	White

nine Voltage

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

DM	0-10Vdc Dimming, <u>standard</u>
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eleven Internal Lens

122	Optic Plus LED diffusing acrylic, <u>standard</u>
122R	Optic Plus with RF grid, <u>Must be used with RF filter*</u>
130	.125 in. LED diffusing Lexan

twelve External Lens

00	No external lens
33	.125 in. clear polycarbonate
125	Amber Acrylic (Amber LED Only)

thirteen Options

2C	Two circuit wired
AM	Anti-microbial coating (<u>door only</u>) Grid Mounting
AMH	Anti-microbial coating (<u>door and housing</u>) 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 w/ pin

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.

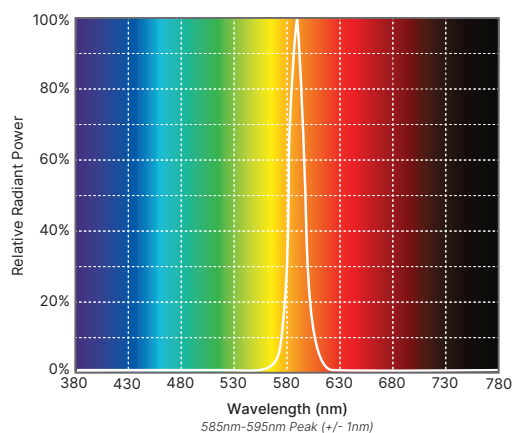
LED LIFE

>100,000

A - Pure Amber

LED Source (Box 2)	Delivered Lumens	L/W	Input Watts
1' x 4' Fixture			
1A15	1550	33.8	45.8
2A26	2634	43.0	61.2
2A31	3101	67.7	45.8
3A45	4543	35.8	127.0
2 x 2' Fixture			
2A15	1566	34.2	45.8
3A23	2294	36.1	63.5
4A26	2661	43.5	61.2
4A31	3132	34.2	91.6
6A39	3877	44.6	86.9
6A46	4588	36.1	127.0
2 x 4' Fixture			
2A27	2770	45.3	61.2
2A32	3261	35.6	91.6
3A40	4036	46.4	86.9
3A48	4778	37.6	127.0
4A55	5541	45.3	122.4
4A65	6523	35.6	183.1
6A80	8073	46.4	173.8
6A95	9555	37.6	253.9

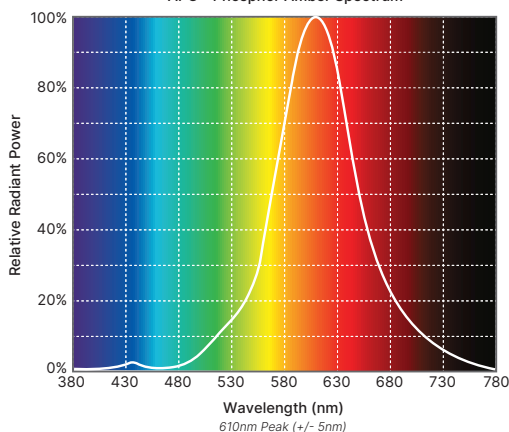
A - Pure Amber Spectrum



APC - Phosphor Amber

LED Source (Box 2)	Delivered Lumens	L/W	Input Watts
1' x 4' Fixture			
2 x 2' Fixture			
2 x 4' Fixture			

APC - Phosphor Amber Spectrum



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