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.

Job Name

Fixture Type

Catalog No.

Approval Date

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.

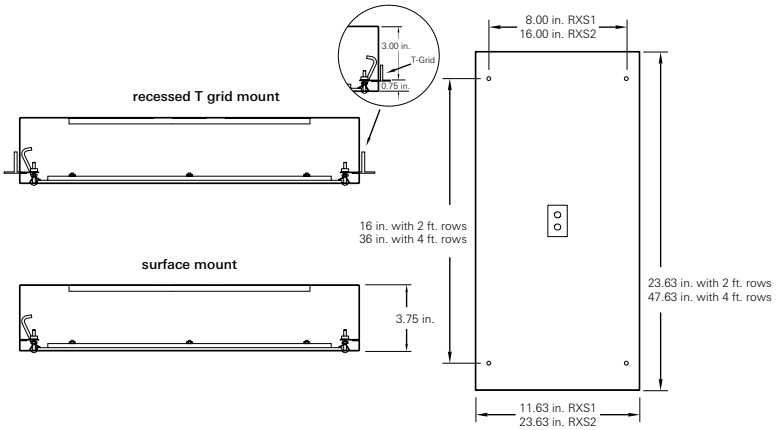
Driver
0-10Vdc 1% dimming, >0.9 PF, <20% THD
Factory programmable, Operating temp -40°C Min. to 50°C Max

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.





CERTIFIED MIL461 · WOSB · FIVE YEAR WARRANTY · IP66 RATED · ISO3 209E CLASS 1 · WET · CCEA Approved · IC Rated · c UL us · BAA · BABA · MADE IN USA

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

one — Luminaire Size
14	1 × 4, three rows max
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

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
125	Amber Acrylic (Amber LED Only)

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 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.

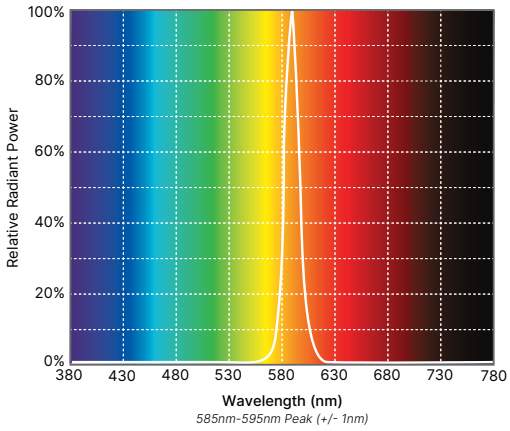
RXS-LED Amber

LED LIFE
>100,000

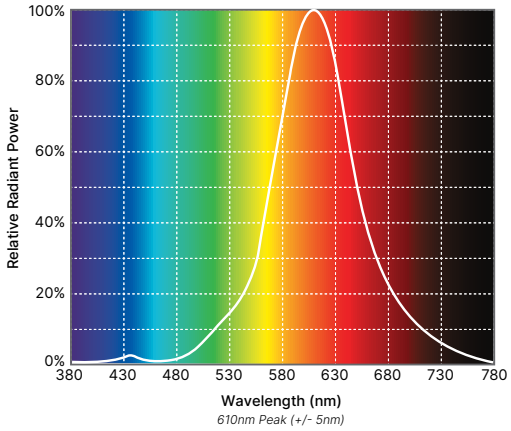
A - Pure Amber

LED Source (Box 2)	Delivered Lumens	L/W	Input Watts
1' x 2' Fixture			
1A8	793	44	18.1
2A16	1586	44	36.1
3A24	2379	44	54.2
1' x 4' Fixture			
1A16	1586	44	36.1
2A32	3172	44	72.2
3A50	4758	44	108.3
2 × 2' Fixture			
2A16	1586	44	36.1
4A32	3172	44	72.2
6A50	4758	44	108.3
2 × 4' Fixture			
2A17	1744	63	27.5
2A32	3261	45	72.2
3A50	4892	45	108.3
4A65	6523	45	144.4
6A80	8061	54	150.6
6A100	9784	45	216.6

A - Pure Amber Spectrum



APC - Phosphor Amber Spectrum



APC - Phosphor Amber

LED Source (Box 2)	Delivered Lumens	L/W	Input Watts
1' x 2' Fixture			
1APC22	2213	114	19.5
2APC45	4427	114	39.0
3APC65	6640	114	58.5
1 × 4' Fixture			
1APC45	4427	114	39.0
2APC70	6820	119	57.4
2APC90	8854	114	78.0
3APC110	10854	118	92.2
3APC130	13280	114	116.9
2' x 2'			
2APC45	4427	114	39.0
3APC65	6640	114	58.5
4APC90	8854	114	78.0
6APC110	10854	118	92.2
6APC130	13280	114	116.9
2' x 4' Fixture			
2APC50	4800	128	37.4
2APC70	7012	122	57.4
2APC90	9102	117	78.0
3APC110	11159	121	92.2
3APC140	13654	117	116.9
4APC180	18205	117	155.9
6APC220	22954	121	190.4
6APC280	27307	117	233.9

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 2×4 on how this will be specified:

Example Model:

RXS24-1AXX[1]SO-40/80-CW/CW-VARDM-122/00-(XX[2]/LUMENS)

LUMENS = You provide the lumens.
XX[1] = We will determine the number of rows.
XX[2] = We will provide the wattage information.

Photometric Data @ 80 CRI with 122 lens

33 lens multiplier	.86
90 CRI multiplier	.83