



RXR-LED Amber

Cleanroom LED Grid / Flange 15/16 to 1.5 in. T Grid

PRODUCT SPECIFICATION

Cleanrooms, laboratories, research facilities, kitchen areas, vivariums, natatoriums, pharmaceutical, lithographic and microchip process.

Mounting

Suitable for installation in recessed 15/16"-1.5" T-Grid or hard ceiling applications. Hard ceiling (flange) type mounts via swing arm brackets that extend and clamp with a single screw action. Swing arm bracket also serves as connection for earthquake cables.

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.

Hardware

Stainless steel fasteners

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.

Certifications

UL Listed wet location, IC, IP66, and NEMA4 / 4X Rated.
Suitable for use in ISO-3 clean rooms (209E Class 1).
USP 797 and USP 800 compliant. MIL146 rated.



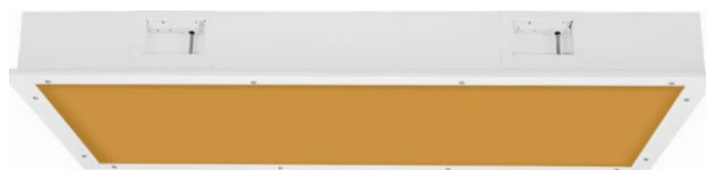
Job Name

Fixture Type

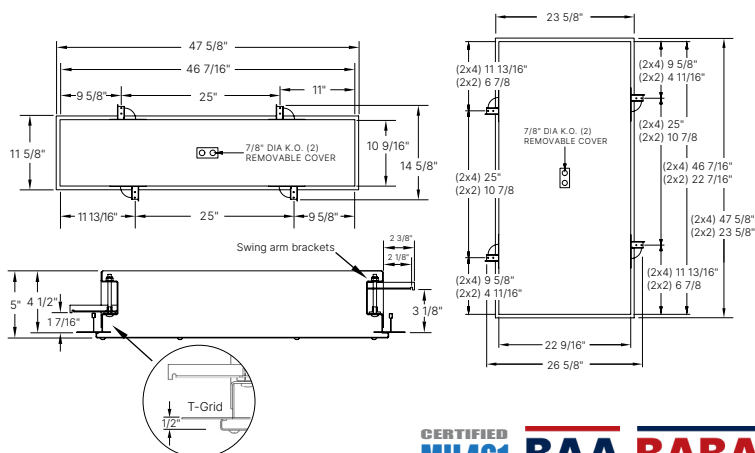
Catalog No.

Approval

Date



Ceiling Grid / Flange Design



CERTIFIED MIL461 BAA BABA

one	two	three	four	five	six	seven	eight	nine
RXR		-		-		-		
					DM			

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 Door Material

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

four Door Finish

- R Brushed (Stainless steel only)
- W White, standard

five Voltage

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

six Driver

DM 0-10VDC Dimming

seven 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

eight External Lens

00 No external lens
33 .125 in. clear polycarbonate

nine Options

- 2C Two circuit wired
- AM Anti-microbial coating (exposed areas)
- CU Canadian UL Listing
- CP CCEA Chicago Plenum
- EM Emergency battery backup
- FH Fuse and holder
- IMS Integral Occ Sensor
- NL-LED Night light, LED
- PF Plaster frame
- RF Radio interference filter, one per circuit*
- TP Stainless steel torx head fasteners w/ pin

Housing Material

- AH Aluminum
- SH 304 Stainless steel

Modifications are available to meet custom requirements.
Specifications and dimensions are subject to change without notice.

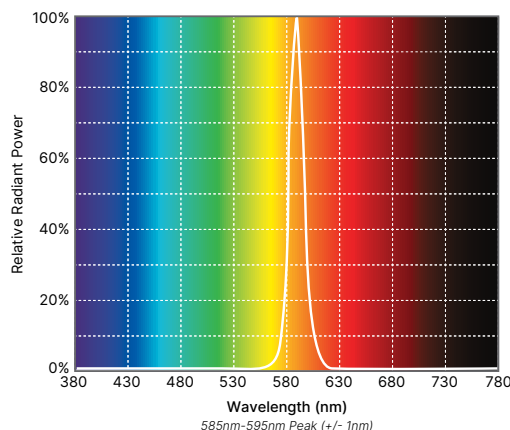
LED LIFE

>100,000

A - Pure Amber

LED Source (Box 2)	Delivered Lumens	L/W	Input Watts
1' x 4' Fixture			
1A15	1514	35	43.0
2A30	3028	35	86.0
3A45	4543	35	128.9
2 x 2' Fixture			
2A15	1529	36	43.0
4A30	3059	36	86.0
6A46	4588	36	128.9
2 x 4' Fixture			
2A16	1591	58	27.5
2A32	3148	37	86.0
3A48	4776	37	128.9
4A55	5539	45	124.3
4A63	6368	37	171.9
6A95	9551	37	257.9

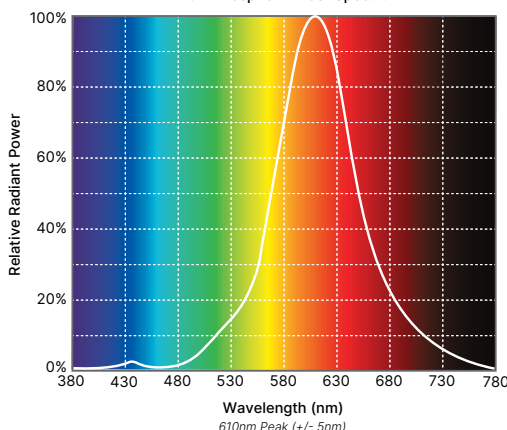
A - Pure Amber Spectrum



APC - Phosphor Amber

LED Source (Box 2)	Delivered Lumens	L/W	Input Watts
1' x 4' Fixture			
1APC45	4507	104	43.2
2APC69	6963	110	63.5
2APC90	9014	104	86.3
3APC117	11680	108	108.6
3APC135	13521	104	129.5
2 x 2' Fixture			
2APC45	4552	105	43.2
3APC68	6828	105	64.8
4APC91	9104	105	86.3
6APC118	11797	109	108.6
6APC136	13657	105	129.5
2 x 4' Fixture			
2APC46	4592	123	37.4
2APC71	7117	116	61.4
2APC91	9095	111	82.1
3APC123	12279	113	108.6
3APC142	14215	110	129.5
4APC182	18190	111	164.3
6APC219	21961	115	190.4
6APC273	27284	111	246.4

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:

RXR24-1A**XX**SO-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 with 122 lens

Use the multipliers below to adjust the delivered lumens

33 lens multiplier

.86