



RXB-LED AMBER

Cleanroom **LED** Recessed Grid 1 to 1.5 in. T-grid

PRODUCT SPECIFICATION

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

Mounting

Mounts recessed in 1 to 1.5 in. T-grid ceiling. Knockouts for earthquake cable supports provided.

Housing

18 gauge cold rolled steel die-formed to shape with seams welded, ground smooth, and caulked airtight.

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 door available.

Hardware

Recessed stainless steel fasteners.

Driver

0-10Vdc dimming, Range 1%-100%. Factory Programmable -40°C 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

Certifications

UL Listed wet location, IP66 rated, IC Rated, certified NSF2 for splash/non-food zones (option) and suitable for use in ISO-3 rated cleanrooms (209E Class 1).

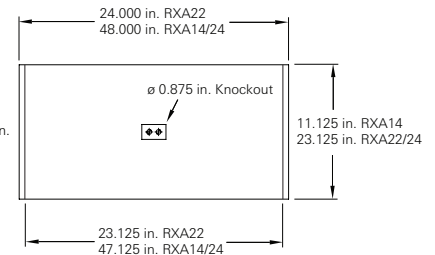
Job Name

Fixture Type

Catalog No.

Approval

Date



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 Door Material

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

five Door Finish

- R Brushed stainless steel
- W White

six Voltage

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

seven Driver

- DM 0-10Vdc Dimming, standard

eight Internal Lens

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

nine External Lens

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

ten 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**

Housing Material

- AH Aluminum
- SH Stainless steel

** Not available with NSF option

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	5077	118	5152	120	5304	124	5455	127	42.9
1A/1W75	4208	56	7583	119	7696	121	7922	124	8149	128	63.7
2' x 2' Fixture											
2A/2W55	4208	56	5230	128	5308	129	5465	133	5621	137	41.0
2A/2W70	4208	56	6705	122	6805	124	7005	128	7205	131	54.8
2' x 4' Fixture											
1A/2W55	4208	56	5498	132	5580	134	5744	138	5909	142	41.7
1A/2W90	4208	56	8852	124	8984	126	9248	129	9513	133	71.5
1A/2W120	4208	56	11413	122	11583	124	11924	127	12264	131	93.7
2A/2W55	8416	112	5498	132	5580	134	5744	138	5909	142	41.7
2A/2W90	8416	112	8852	124	8984	126	9248	129	9513	133	71.5
2A/2W120	8416	112	11413	122	11583	124	11924	127	12264	131	93.7

Amber LED Only

LED Source (Box 2)	Size	Delivered Lumens	Watts
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:

RXB24-1A**XX**¹SO-40/80-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

