



RXB-LED RED

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

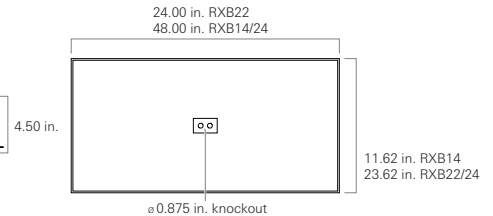
UL Listed wet location, IP66 rated, IC Rated, certified NSF2 for splash/non-food zones (option) and suitable for use in ISO-3 rated cleanrooms (209E Class 1).

Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____ Date _____



RXB	one	two	three	four	five	six	seven	DM	eight	nine	ten
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one	Luminaire Size
14	1 x 4, <u>three rows max</u>
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

four	Door Material
A	Aluminum
C	Cold rolled steel, <u>standard</u>
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, <u>standard</u>

eight	Internal Lens
122	Optic Plus LED diffusing acrylic lens, <u>std</u>
122R	Optic Plus with RF grid <u>Must be used with RF filter*</u>

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

Red/White LED

LED Source (Box 2)	Red		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											
1R/1W55	1153	22	5077	118	5152	120	5304	124	5455	127	42.9
1R/1W75	1153	22	7583	119	7696	121	7922	124	8149	128	63.7
2' x 2' Fixture											
2R/2W55	1153	22	5230	128	5308	129	5465	133	5621	137	41.0
2R/2W70	1153	22	6705	122	6805	124	7005	128	7205	131	54.8
2' x 4' Fixture											
1R/2W55	1153	22	5498	132	5580	134	5744	138	5909	142	41.7
1R/2W90	1153	22	8852	124	8984	126	9248	129	9513	133	71.5
1R/2W120	1153	22	11413	122	11583	124	11924	127	12264	131	93.7
2R/2W55	2306	44	5498	132	5580	134	5744	138	5909	142	41.7
2R/2W90	2306	44	8852	124	8984	126	9248	129	9513	133	71.5
2R/2W120	2306	44	11413	122	11583	124	11924	127	12264	131	93.7

Red LED Only

LED Source (Box 2)	Size	Delivered Lumens	Input Power Red (W)
1R	1' x 4'	1153	22
2R	2' x 2'	1153	22
2R	2' x 4'	2306	44

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:

RXB24-1R**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	.88
90 CRI multiplier	.83

