



RXB-LED

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 available.

Hardware

Recessed stainless steel fasteners.

Driver

0-10Vdc dimming, Range 1%-100%, Factory programmable -40C 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).

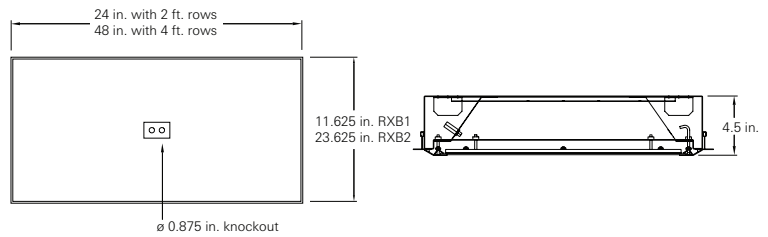
Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____

Date _____



RXB	one	two	three	four	five	six	seven	DM	eight	nine	ten	eleven
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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

four CRI

- 80 80 CRI
- 90 90 CRI

five Door Material

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

six Door Finish

- R Brushed stainless steel
- W White

seven Voltage

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

eight Driver

- DM 0-10Vdc Dimming, standard

nine Internal Lens

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

ten External Lens

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

eleven 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

LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
1' x 4' Fixture									
1W55	5077	118	5152	120	5304	124	5455	127	42.9
2W75	7583	119	7696	121	7922	124	8149	128	63.7
2W100	9746	119	9892	121	10182	124	10473	128	82.0
2W130	12493	114	12680	116	13053	119	13426	123	109.6
2' x 2' Fixture									
2W55	5230	128	5308	129	5465	133	5621	137	41.0
2W70	6705	122	6805	124	7005	128	7205	131	54.8
4W80	8139	128	8260	130	8503	133	8746	137	63.7
4W100	10461	128	10617	129	10929	133	11241	137	82.0
4W140	13409	122	13610	124	14010	128	14410	131	109.6
2' x 4' Fixture									
2W55	5498	132	5580	134	5744	138	5909	142	41.7
2W90	8852	124	8984	126	9248	129	9513	133	71.5
2W120	11413	122	11583	124	11924	127	12264	131	93.7
3W160	15869	123	16106	125	16580	129	17053	132	128.9
3W200	19526	119	19818	121	20401	124	20983	128	164.4
4W230	22825	122	23166	124	23847	127	24529	131	187.3
4W270	26035	119	26424	121	27201	124	27978	128	219.1

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-**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

