



RXA-LED RED

Cleanroom **LED** Recessed Mount 2 in. T-grid

PRODUCT SPECIFICATION

Cleanrooms, laboratories, research facilities, vivariums, natatoriums

Mounting

Mounts recessed in 2-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. Aluminum and 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 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 and IP65 rated. Suitable for use in ISO-3 cleanrooms (209E Class 1).

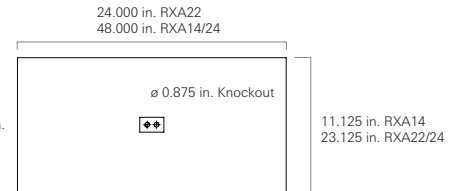


Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____ Date _____



Door Dimensions
 45.750 x 9.750 in. (1x4 ft. Fixture)
 21.750 x 21.750 in. (2x2 ft. Fixture)
 45.750 x 21.750 in. (2x4 ft. Fixture)

RXA	one	two	three	four	five	six	seven	DM	eight	nine	ten
-----	-----	-----	-------	------	------	-----	-------	----	-------	------	-----

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 Door Material
 C Cold rolled steel
 S Stainless steel
 A Aluminum

five Finish
 R Brushed stainless steel
 W White

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

seven Driver
 DM 0-10VDC Dimming, standard

eight Internal Lens
 122 Optic Plus LED diffusing acrylic lens, std

nine External Lens
 00 No external lens
 33 .125 in. clear polycarbonate lens

ten Options
 AM Anti-microbial coating (exposed areas)
 CU Canadian UL Listing
 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

Housing Material
 AH Aluminum
 SH Stainless steel

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	Watts
1R	1' x 4'	1553	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:

RXA24-1R**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

