



RXM-LED 2x2

Cleanroom **LED** Top Access IMP Ceilings

PRODUCT SPECIFICATION

Cleanrooms, laboratories, research facilities, food areas, top accessible from walkable ceilings.

Mounting

Suitable for installation in 4" Insulated Metal Panel (IMP) walkable ceilings. Suitable for direct static loads of 600 lbs., not intended to be walked on.

Housing

Welded CRS housing/collar with plenum-side gasketed flange. Secures directly to plenum-side IMP surface via IMP manufacturer approved screws (hardware provided by others).

Top Access Door

16 gauge CRS top plate with formed and welded sides. Top plate perimeter seals to housing to prevent contaminant intrusion from plenum space. Removable electrical compartments and top plate provide for easy wiring, replacement of parts and servicing.

Lens Frame

One-piece 18 gauge cold rolled steel overlapping lens frame, gasketed and sealed to IMP ceiling surface. Secures to housing without room-side hardware. 304 stainless available.

Lens

Optic Plus diffusing acrylic lens completely hides diode image while providing greater than 90% light transmission. LED diffusing Lexan available.

Finish

Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. Brushed stainless steel lens frame available.

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. IP66 rated.
Suitable for use in ISO-3 clean rooms (209E Class 1).
Suitable for use in 4" IMP Ceilings. USP 797 and USP 800 compliant.

Job Name _____

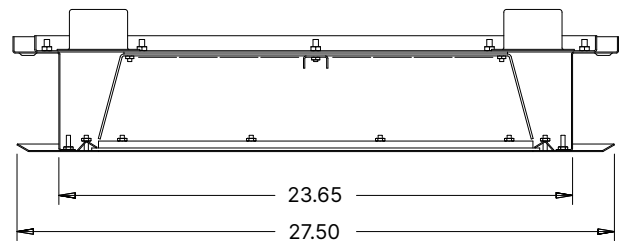
Fixture Type _____

Catalog No. _____

Approval _____ Date _____



Walkable Ceiling, Top Access



	one	two	three	four	five	six	seven	eight	nine	ten	eleven
RXM	-	-	/	-	-	-	VAR	DM	-	/	-

one	Luminaire Size 22 2 x 2	five	Lens Frame Material C Cold rolled steel, <u>standard</u> S 304 Stainless steel	ten	External Lens 00 No external lens
two	LED Source Refer to the LED Source Table on Page 2 for available options.	six	Lens Frame Finish R Brushed (Stainless steel only) W White, <u>standard</u>	eleven	Options 2C Two circuit wired AM Anti-microbial coating (exposed areas) CU Canadian UL Listing CP CCEA Chicago FH Fuse and holder NS NSF listing
three	Color Temperature 30 3000K 35 3500K 40 4000K 50 5000K	seven	Voltage VAR Variable, 120-277 V, 50/60Hz		
four	CRI 80 80 CRI 90 90 CRI	eight	Driver DM 0-10VDC Dimming		
		nine	Internal Lens 122 Optic Plus LED diffusing acrylic, <u>standard</u> 130 .125 in. LED diffusing Lexan		

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	
2' x 2' Fixture									
8W230	22058	134	22388	136	23047	140	23706	144	165.0
8W259	24790	131	25160	133	25901	137	26642	141	189.4
8W295	28276	127	28698	129	29543	133	30388	137	222.1

Specified Output Option

L.C. 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:

RXM24-**XX**¹SO-40/80-CW/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

Use the multipliers below to adjust the delivered lumens

33 lens multiplier	.86
90 CRI multiplier	.83