RXS-LED

Cleanroom LED Ceiling surface or grid 15/16 to 1-1/2 in. T-grid ceiling

PRODUCT SPECIFICATION

Cleanrooms, laboratories, research facilities, kitchen areas, natatoriums

Job Name

Fixture Type

Catalog No.

Approval Date

Mounting
Ceiling surface or recessed grid - 15/16" to 1-1/2" T Grid. 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 304 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 304 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.

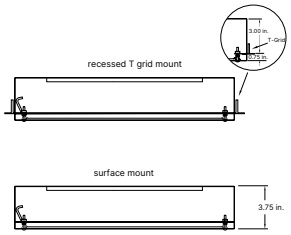
Driver
0-10Vdc 1% dimming, >0.9 PF, <20% THD
Factory programmable, Operating temp -40°C Min. to 50°C Max

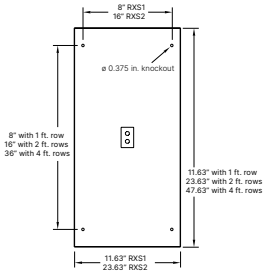
Wiring
Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

Hardware
Stainless steel fasteners.

Certifications
UL Listed wet location, IP66 rated. Suitable for use in ISO-3 clean rooms (209E Class 1). Suitable for use in Natatorium Environments. USP 797 and USP 800 compliant. Suitable for biosafety labs rated BSL 1-4.







one	two	three	four	five	six	seven	eight	nine	ten	eleven	twelve	thirteen
RXS		-		-	/	-		/		-	VAR	DM	-	/	-	

one — Luminaire Size
11	1 × 1
12	1 × 2, three rows max
14	1 × 4, three rows max
22	2 × 2
24	2 × 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 — Housing Material
A	Aluminum
C	Cold rolled steel, standard
S	304 Stainless steel

six — Housing Finish
R	Brushed (Stainless steel only)
W	White

seven — Door Material
A	Aluminum
C	Cold rolled steel, standard
S	304 Stainless steel

eight — Door Finish
R	Brushed (Stainless steel only)
W	White

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

ten — Driver
DM	0-10Vdc Dimming, standard

eleven — Internal Lens
122	Optic Plus LED diffusing acrylic, standard
122R	Optic Plus with RF grid Must be used with RF filter*
130	.125 in. LED diffusing Lexan

* Conducted and radiated emissions controlled as per MIL461 with the use of 122R lens and RF Filter.

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

thirteen — Options
2C	Two circuit wired
AM	Anti-microbial coating (door only) Grid Mounting
AMH	Anti-microbial coating (door and housing) Surface Mounting
CU	Canadian UL Listing
CP	CCEA Chicago
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 w/ pin
NS	NSF listing (refer to the NSF version of this cut sheet)

Note: The L.C. Doane outset door mechanically clamps to grid ceiling framing members firmly securing the fixture to the T-Grid. Four knock-outs are also provided, one in each corner of the fixture, for seismic support wire attachment (by others).

NAT Natatorium Environments — Must use aluminum or stainless steel housing and doors for natatorium use.

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 2' Fixture									
1W22	2066	138	2123	142	2187	146	2187	146	14.9
1W36	3486	131	3580	135	3689	139	3689	139	26.5
2W55	5107	136	5246	140	5405	144	5405	144	37.5
2W75	6971	131	7161	135	7378	139	7378	139	53.0
1' x 4' Fixture									
1W55	5107	136	5246	140	5405	144	5405	144	37.5
1W75	6971	131	7161	135	7378	139	7378	139	53.0
2W90	8758	138	8996	142	9269	146	9269	146	63.6
2W110	10693	135	10983	139	11316	143	11316	143	78.9
2W150	13942	131	14321	135	14755	139	14755	139	106.1
2' x 2' Fixture									
2W55	5107	136	5246	140	5405	144	5405	144	37.5
2W75	6971	131	7161	135	7378	139	7378	139	53.0
4W90	8758	138	8996	142	9269	146	9296	146	63.6
4W110	10693	135	10983	139	11316	143	11316	143	78.9
4W150	13942	131	14321	135	14755	139	14755	139	106.1
6W180	17223	135	17691	138	18227	142	18227	142	128.0
6W220	20913	131	21482	135	22133	139	22133	139	159.1
8W260	24212	134	24871	137	25624	142	25624	142	181.0
8W300	27884	131	28643	135	29510	139	29510	139	212.1
2' x 4' Fixture									
2W55	5381	145	5527	149	5694	154	5694	154	37.0
2W80	7474	143	7677	147	7909	152	7909	152	52.1
2W95	9004	142	9249	146	9529	150	9529	150	63.6
2W110	10993	139	11292	143	11634	147	11634	147	78.9
2W150	14334	135	14724	139	15170	143	15170	143	106.1
3W180	17707	138	18188	142	18739	146	18739	146	128.0
3W220	21501	135	22086	139	22755	143	22755	143	159.1
4W260	24893	138	25570	141	26344	146	26344	146	181.0
4W300	28668	135	29447	139	30339	143	30339	143	212.1
6W340	32979	139	33876	143	34902	147	34902	147	236.8
6W380	37339	138	38355	141	39517	146	39517	146	271.5
6W450	43002	135	44171	139	45509	143	45509	143	318.2

Specified Output Option

Example Model:
RXS24-**XX**[1]SO-40/80-CW/CW-VARDM-122/00-(**XX**[2]/**LUMENS**)

LUMENS = You provide the lumens.
XX[1] = We will determine the number of rows.
XX[2] = We will provide the wattage information.

Photometric Data @ 80 CRI with 122 lens

33 lens multiplier	.86
90 CRI multiplier	.83