



# RXS-LED AMBER

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

## PRODUCT SPECIFICATION

Cleanrooms, laboratories, research facilities, kitchen areas, vivariums, natatoriums

### Mounting

Ceiling surface or grid - 1" to 1-1/2" T Grid

### 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. Aircraft cables connect door to housing. 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.

### 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.

### Hardware

Stainless steel fasteners.

### Certifications

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

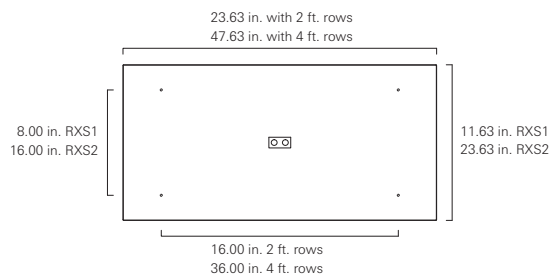
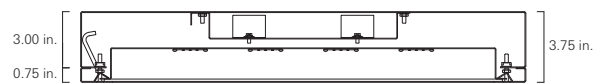
Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog No. \_\_\_\_\_

Approval \_\_\_\_\_

Date \_\_\_\_\_



|     |     |     |       |      |      |     |       |       |      |     |        |        |
|-----|-----|-----|-------|------|------|-----|-------|-------|------|-----|--------|--------|
| RXS | one | two | three | four | five | six | seven | eight | nine | ten | eleven | twelve |
|-----|-----|-----|-------|------|------|-----|-------|-------|------|-----|--------|--------|

### 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 Housing Material

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

### five Housing Finish

- R Brushed stainless steel
- W White

### six Door Material

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

### seven Door Finish

- R Brushed stainless steel
- W White

### eight Voltage

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

### nine Driver

- DM 0-10Vdc Dimming, standard

### ten Internal Lens

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

### eleven External Lens

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

### twelve 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\*\*

\*\*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 |

Amber/White LED

| LED Source (Box 2)     | Amber            |       | 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 |             |
| <b>1' x 4' Fixture</b> |                  |       |                  |     |                  |     |                  |     |                  |     |             |
| 1A/1W55                | 4208             | 56    | 5546             | 135 | 5628             | 137 | 5794             | 141 | 5959             | 145 | 41.0        |
| 1A/1W70                | 4208             | 56    | 7109             | 130 | 7215             | 132 | 7427             | 136 | 7639             | 139 | 54.8        |
| <b>2' x 2' Fixture</b> |                  |       |                  |     |                  |     |                  |     |                  |     |             |
| 2A/2W55                | 4208             | 56    | 5285             | 133 | 5364             | 135 | 5521             | 139 | 5679             | 143 | 39.6        |
| 2A/2W70                | 4208             | 56    | 7073             | 129 | 7179             | 131 | 7390             | 135 | 7601             | 139 | 54.8        |
| <b>2' x 4' Fixture</b> |                  |       |                  |     |                  |     |                  |     |                  |     |             |
| 1A/2W55                | 4208             | 56    | 5285             | 133 | 5364             | 135 | 5521             | 139 | 5679             | 143 | 39.6        |
| 1A/2W95                | 4208             | 56    | 8889             | 140 | 9150             | 144 | 9412             | 148 | 63.7             | 148 | 63.7        |
| 1A/2W120               | 4208             | 56    | 11727            | 136 | 11902            | 138 | 12252            | 142 | 12602            | 147 | 86.0        |
| 2A/2W55                | 8416             | 112   | 5285             | 133 | 5364             | 135 | 5521             | 139 | 5679             | 143 | 39.6        |
| 2A/2W95                | 8416             | 112   | 8889             | 140 | 9150             | 144 | 9412             | 148 | 63.7             | 148 | 63.7        |
| 2A/2W120               | 8416             | 112   | 11727            | 136 | 11902            | 138 | 12252            | 142 | 12602            | 147 | 86.0        |

Amber LED Only

| LED Source (Box 2) | Size    | Delivered Lumens | Input Power Red (W) |
|--------------------|---------|------------------|---------------------|
| 1A                 | 1' x 4' | 4208             | 56                  |
| 2A                 | 2' x 2' | 4208             | 56                  |
| 2A                 | 2' x 4' | 8416             | 112                 |

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:**

RXS24-1A**XX**<sup>1</sup>SO-40/80-CW/CW--VARDM-122/00-(**XX**<sup>2</sup>/LUMENS)

**LUMENS** = You provide the lumens.

**XX**<sup>1</sup> = We will determine the number of rows.

**XX**<sup>2</sup> = We will provide the wattage information.

Photometric Data @ 80 CRI with 122 lens

|                    |     |
|--------------------|-----|
| 33 lens multiplier | .88 |
| 90 CRI multiplier  | .83 |

