Date | Project | Part

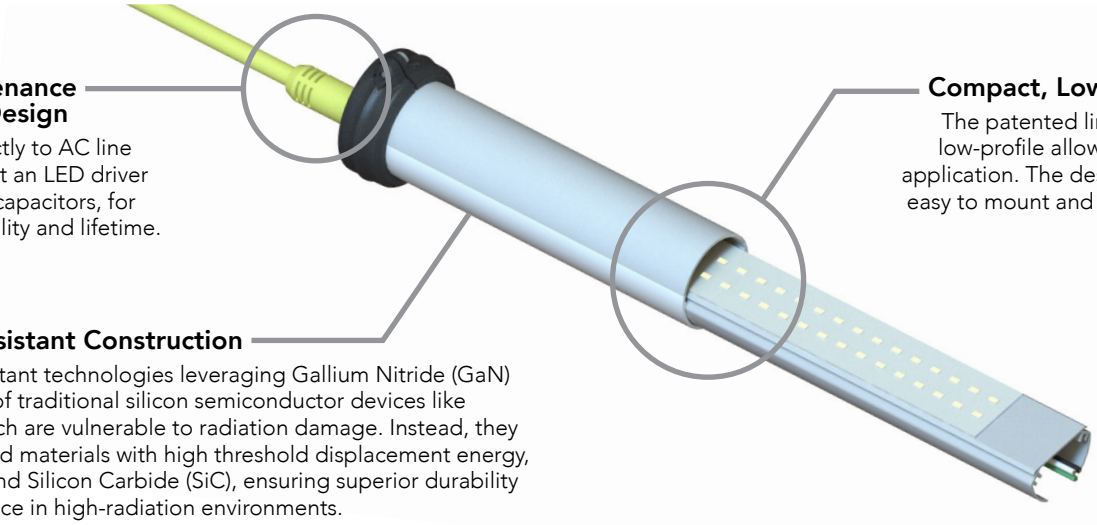
RRX
RADIATION RESISTANT LINEAR

G&G
INDUSTRIAL LIGHTING

c UL us LISTED | IP66 IP67 CERTIFIED | IK10 IMPACT CERTIFIED | NEMA 4X | DIRECT AC DRIVERLESS | GaN SiC

*Proudly made in America*

# Radiation Resistant Low-Profile LED Linear Luminaire



**Zero-Maintenance Driverless Design**
Connects directly to AC line voltage without an LED driver or electrolytic capacitors, for extreme reliability and lifetime.

**Compact, Low-Profile, Round Design**
The patented linear housing provides a slim, low-profile allowing installation in almost any application. The design is lightweight, incredibly easy to mount and creates modern, sleek result.

**Radition Resistant Construction**
Radiation-resistant technologies leveraging Gallium Nitride (GaN) avoid the use of traditional silicon semiconductor devices like MOSFETs, which are vulnerable to radiation damage. Instead, they utilize advanced materials with high threshold displacement energy, such as GaN and Silicon Carbide (SiC), ensuring superior durability and performance in high-radiation environments.

## PERFORMANCE SUMMARY

**Delivered Light Output:** RRX4 = 5,000 lumens
RRX8 = 10,000 lumens

**Efficacy:** Up to 120 LPW

**CRI:** 80 CRI minimum

**CCT:** 5000K

**Warranty:** 1 Year

**Mounting:** Ceiling or wall

**Lens:** Diffused (standard)

**IP Protection Class:** IP66, IP67

**Temperature Rating:** Operable in temperatures -40°C to 40°C

**Voltage:** 120 or 277 VAC Input

**Total GAMMA Dose:** 10 kGy *(Components tested to CERN open source standards of 10 kGy. Not suitable for ozone exposure.)*

**Power Factor:** 0.9 nominal

**Surge Protection:** Built-in 4KV

## FIXTURE SPECIFICATIONS

### Construction & Materials

- Proudly American-made and Buy America Act compliant
- Constructed with non-ferrous materials
- Patented coextruded copolyester and aluminum housing
  - Seamless polymeric outer shell
  - Integrated aluminum heat spreader

### Regulatory Qualifications

- cULus Listed
- UL Listed for wet locations
- IP66/67 Certified
- IK10 Impact Certified
- NEMA 4X Rated

REV: 1024

RRX
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## ORDERING INFORMATION

| Product | Length | | Color Temp. | | Voltage | | Wiring Options |
|---|---|---|---|---|---|---|---|
| RRX | | – | 50K | – | | – | |

**4**
4-Foot

**8**
8-Foot

**50K** (standard)
5000 Kelvin

*Contact factory for custom CCTs

**120V**
120 VAC Input

**277V**
277 VAC Input

**3P**
(Standard, Single-Ended) Connector on Input Only, for Standalone Install, No Daisy Chain

**3P-Thru**
Connectors on Input and Output for ability to Daisy Chain fixtures

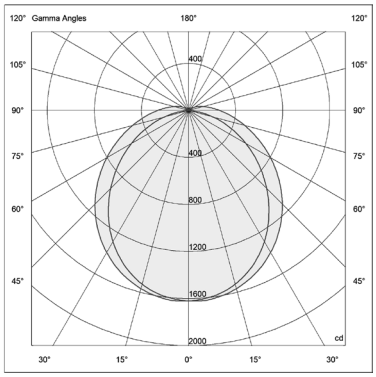
## MOUNTING

A stainless steel both latch kit comes included with each fixture.

| Mounting Kit | Description |
|---|---|
| MNT-G3-SURF-SS | Stainless Steel Bolt Latch Mounting Clips |

## PHOTOMETRY

### Polar Candela Distribution




### Zonal Lumen Summary

| Zone | Luminaire |
|---|---|
| 0-30 | 24.8% |
| 0-40 | 40.4% |
| 0-60 | 70.7% |
| 0-90 | 94.9% |
| 0-180 | 100% |

## FIXTURE DIMENSIONS

| Model | Length | Width | Height Mounted |
|---|---|---|---|
| RRX4 | 47.75" | 2" | 2.25" |
| RRX8 | 94.25" | 2" | 2.25" |

## LUMEN & POWER DATA

| Length & Output | Lumens | Wattage | Amps @ 120V | Amps @ 277V |
|---|---|---|---|---|
| RRX4 | 5,000 | 41 | 0.35 | 0.15 |
| RRX8 | 10,000 | 82 | 0.70 | 0.30 |

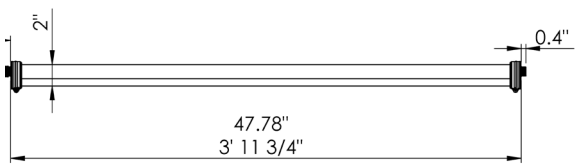
## CABLING

Leader required; Jumper for THRU options.

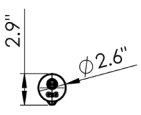
| Cable | Type | Wire | End-to-end Length | Fixture-to-fixture Length |
|---|---|---|---|---|
| RTX-LDR-6-3P | Leader | 3 Pole, 16 AWG, Yellow | 6' | - |
| RTX-JMP-1-3P | Jumper | 3 Pole, 16 AWG, Yellow | 12.625" | 11.875" |
| RTX-JMP-3-3P | Jumper | 3 Pole, 16 AWG, Yellow | 37.5" | 36.75" |
| RTX-JMP-6-3P | Jumper | 3 Pole, 16 AWG, Yellow | 74.125" | 73.375" |

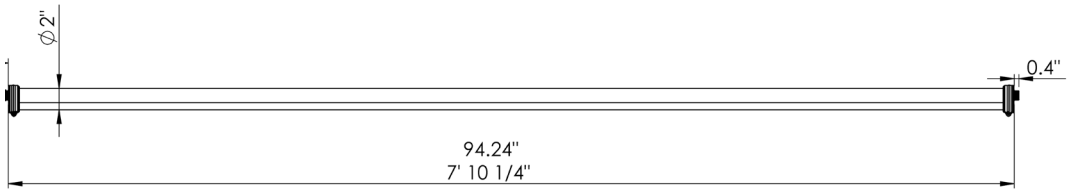
## DIMENSIONAL DRAWINGS

### RRX4




### End cap




### RRX8