

DRIVERLESS AC LED LUMINAIRE FOR TUNNEL & RAIL LIGHTING

Product Features

Direct AC Driverless Design

Connects directly to AC line voltage without an LED driver or electrolytic capacitors, for ease of use and extreme reliability and lifetime.

Compact Low-Profile Housing

Low-profile, 1" round linear housing provides a remarkably compact design. The patented process combines copolyester and aluminum together with no seals or gaskets. The result is a strong, impact resistant single piece enclosure with excellent durability and heatsinking characteristics for long lifetimes.

Heavy Duty Quick-Connect Cabling

Heavy duty cabling and push-and-click connectors make TRX series fixtures easily to install and daisy chain for long linear runs. Low Smoke Zero Halogen (LSZH) NFPA 130 compliant cabling available.

Easy Mount Protective Backplate Option

An optional galvanized steel backplate provides simplified mounting and extra protection in rugged applications. Ideal for maintenance pit lighting.

Performance Summary

Delivered Light Output: Up to 5,000 Lumens - 1250 Lumens/Ft

Efficacy: 110-130 LPW

CRI: Typical 85 CRI

CCT: 5000K & 4000K

Lifetime: Designed to last 100,000 Hours at 25°C

Warranty: 5 Years (See ggled.net for Terms)

Mounting: Ceiling or Wall

Dimensions: Length Varies, Width 1.25" x Height 1.75"

Protection Class: IP68 Ingress & IK07 Impact

Dimming: Yes, TRIAC Dimmable

Voltage: 120 VAC or 277 VAC Input

Ambient Rating: -40°C to 55°C

Ordering Information

Product	Length	Color Temp.	UV Protection	Through Wired	Backplate	Voltage
TRX						
	2 2-Foot	50K (standard) 5000 Kelvin	Blank (standard) No Coating, Rated for Indoor Use	Blank (standard) Connectors on Input & Output for ability to Daisy Chain fixtures	Blank (standard) No Backplate	120V 120 VAC Input
	4 4-Foot	40K 4000 Kelvin	UVO Outdoor-Rated with UV-Blocking Coating	SE (Single-Ended) Connector on Input Only, No Daisy Chain, for Standalone Install	BKP (Backplate) Easy Mount and Protective Backplate	277V 277 VAC Input

Power & Connection Accessories

Cable	Type	Length	Wire	Mounting Hardware	Description
TRX-JMP-1	Jumper	1ft	14 ga SOOW	TRX-MNT-NM	Non-Metalic Quick Latch
TRX-JMP-4	Jumper	4ft	14 ga SOOW	TRX-MNT-SS	Stainless Steel Bolt Latch
TRX-JMP-8	Jumper	8ft	14 ga SOOW	TRX-MNT-MAG	Disc Magnet Add-On
TRX-LDR-8	Leader Cable	8ft	14 ga SOOW		

* TRX-JMP-X-LSZH Jumper To Order 14 ga LSZH

* TRX-LDR-X-LSZH Leader Cable To Order 14 ga LSZH

* LSZH NFPA 130 Compliant cabling available (contact agent).

Rev Date 20 0507

STRONG.

SIMPLE.

COMPACT.

TRX CONNECTORIZED LED

Product Specifications

Construction & Materials

Convenient push-and-click connectors let you easily and rapidly install Leader Cables and Jumper Cables. Multiple cable lengths support a variety of layouts.

Integrated aluminum heat spreader.

Seamless polymeric outer shell provides IP68 ingress protection and is specialized for superior chemical resistance.

All G&G luminaires and components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA.

Electrical System

Power Factor: 0.9 nominal.

Input Power: Stays consistent over life.

Temperature Rating: Designed to operate in temperatures -40°C to 55°C.

Total Harmonic Distortion: < 20%

Built-In 6KV Surge Protection

Regulatory Qualifications

cULus Listed

UL Listed for Wet Locations

NEMA 4X, NEMA 6P Rated



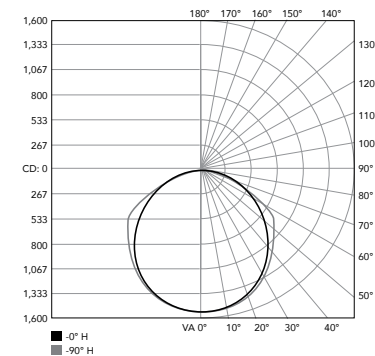
Photometry

TRX Series

Based on DTC Report Test #: 14404-T

Fixture photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.

Polar Candela Distribution



Zonal Lumen Summary

Zone	Luminaire
0-30	26.2%
0-40	43.2%
0-60	77.4%
0-90	98.5%
0-180	100%

Lumen & Power Data

Length & Output	Lumens	Wattage	Amps @120V	Amps @277V
TRX2	2000	16	0.13	0.06
TRX4	5000	46	0.38	0.17

Product Images

