TRX
INDUSTRIAL DRIVERLESS LINEAR

G&G
INDUSTRIAL LIGHTING

c(UL)us LISTED IP68 IP69K CERTIFIED IK07 IMPACT CERTIFIED NEMA 4X NEMA 6P DIRECT AC DRIVERLESS EMI SILENT □ BAA BABAA COMPLIANT *Proudly made in America*

Industrial Driverless Linkable IP68/69K 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.

Waterproof, Dust-proof & Corrosion Resistant
Seamless polymeric outer shell provides IP68/IP69K ingress protection and is specialized for superior chemical resistance. An additional UV blocker coating is available for protection in outdoor applications.

Fast & Secure Installation
Heavy-duty, push-and-click connectors, paired with stainless steel mounting clips with large 1/2" screw holes, make fixtures easy to install and daisy-chain for long linear runs.

Low-Profile, High-Output
The 1" round, aimable design outputs up to 8,000 lumens, making TRX fixtures perfect for compact spaces in need of bright light where other fixtures simply cannot go.
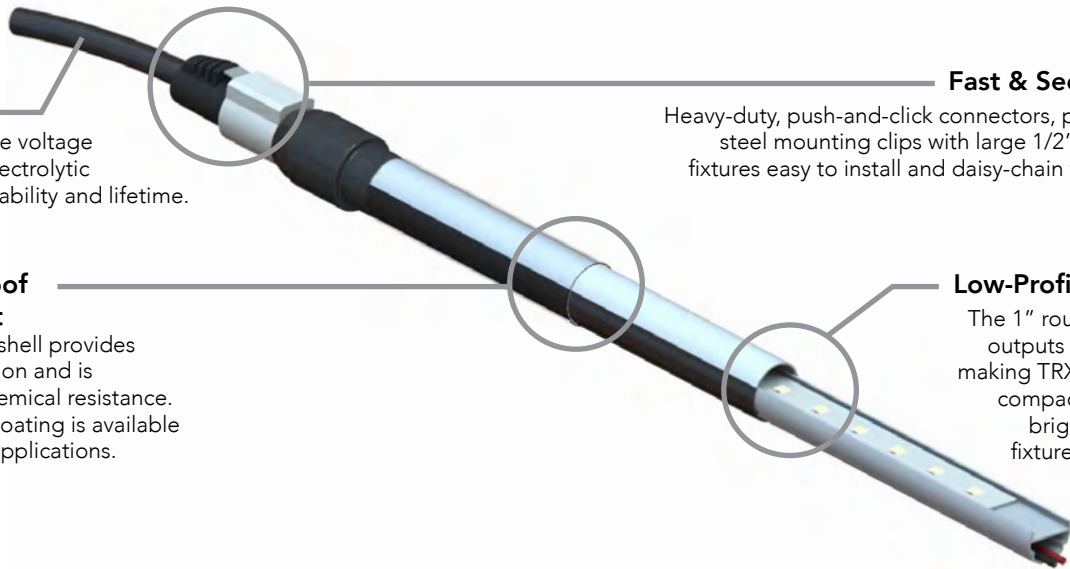
PERFORMANCE SUMMARY

Delivered Light Output: Up to 8,000 Lumens

Maximum Run Length: Refer to table on page 3

Efficacy: Up to 125 LPW

CRI: Typical 85 CRI

CCT: 5000K & 4000K (Contact factory for custom CCT)

Lifetime: 100,000 Hours at 25°C

Warranty: 5 Years

Mounting: Ceiling or wall

Lens: Diffused (standard)

Protection Class: IP68/IP69K

Temperature Rating: Operable in temperatures -40°C to 55°C

Voltage: 120 or 277 VAC Input

Power Factor: 0.9 nominal

Surge Protection: Built-in 4KV

Total Harmonic Distortion: < 20%

FIXTURE SPECIFICATIONS

Construction & Materials
- Proudly engineered and manufactured in America:
  - Buy American Act (BAA) compliant
  - Build America, Buy America Act (BABAA) compliant
- Heavy-duty, push-and-click connectors
- Patented coextruded copolyester and aluminum housing
  - Seamless polymeric outer shell
  - Integrated aluminum heat spreader
- Double insulated (cabling and fixture)

Regulatory Qualifications
- cULus Listed
- UL Listed for Wet Locations
- IP68/IP69K Certified
- IK07 Impact Certified
- NEMA 4X, NEMA 6P Rated
- NFPA 130 & 502

REV: 1224

ORDERING INFORMATION

Product	Length	Color Temp.	UV Protection	Through Wired	Voltage
TRX					

2
2-Foot

4
4-Foot

8
8-Foot

50K (standard)
5000 Kelvin

40K*
4000 Kelvin

TRX2 not available in 40K

Blank (standard)
No Coating, Rated for Indoor Use

UVO
Outdoor-Rated with UV-Blocking Coating

Blank (standard)
Connectors on Input & Output for ability to Daisy Chain fixtures

SE (Single-Ended)
Connector on Input Only, No Daisy Chain, for Standalone Install

120V
120 VAC Input

277V
277 VAC Input

Contact factory for 347V

FIXTURE DIMENSIONS

Model	Fixture Diameter	Fixture Length		Mounted	
		Thru Wire	Single End	Width	Height
TRX2	1.00″	25.82″	24.27″	1.25″	1.75″
TRX4	1.00″	47.82″	46.27″	1.25″	1.75″
TRX8	1.00″	91.82″	90.27″	1.25″	1.75″

LUMEN & POWER DATA

| Length & Output	Lumens	Wattage	Amps @ 120V	Amps @ 277V
TRX2	2,000	16	0.13	0.060
TRX4	4,000	32	0.27	0.112
TRX8	8,000	64	0.53	0.224

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
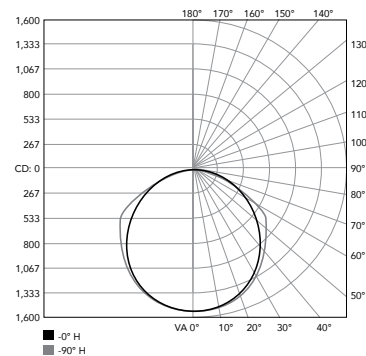
Zonal Lumen Summary

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

MOUNTING

G&G will provide the appropriate type (indoor vs. outdoor) and quantity of non-metallic quick latch clip depending on each fixture ordered (two clips per 2' and 4' fixtures, or three clips per 6' and 8' fixtures).

Part Number	Description
MNT-G1-NM-2015	(1) Non-Metallic Quick Latch Mounting Clip (Indoor)
MNT-G1-NM-2020	(1) Non-Metallic Quick Latch Mounting Clip (UVO Outdoor)
MNT-G1-SS	(1) Stainless Steel Bolt Latch Mounting Clip
MNT-G1-SS-KIT	Kit of (3) Stainless Steel Bolt Latch Mounting Clips
MNT-G1-MAG-NM-2015	(1) Non-Metallic Quick Latch Mounting Clip (Indoor) with Maximum Strength Disc Magnet
MNT-G1-MAG-NM-2020	(1) Non-Metallic Quick Latch Mounting Clip (UVO Outdoor) with Maximum Strength Disc Magnet
MNT-G1-MAG-SS	(1) Stainless Steel Bolt Latch Mounting Clip with Maximum Strength Disc Magnet

MAXIMUM FIXTURE RUN LENGTH

Maximum Fixture Run (Per 1 Leader Cable) 120VAC			
Cable	TRX2	TRX4	TRX8
JMP1 (1')	60 (179')	34 (169')	17 (152')
JMP4 (4')	45 (266')	31 (244')	15 (176')
JMP8 (8')	40 (392')	28 (328')	13 (200')

Maximum Fixture Run (Per 1 Leader Cable) 277VAC			
Cable	TRX2	TRX4	TRX8
JMP1 (1')	110 (339')	65 (324')	33 (296')
JMP4 (4')	90 (536')	58 (460')	29 (344')
JMP8 (8')	80 (792')	52 (616')	26 (408')

CABLING (MSHA-RATED)
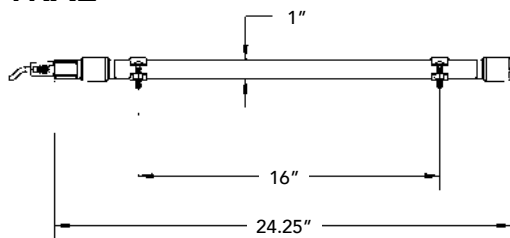
Contact agent for LSZH NFPA 130 compliant cabling.
Note: Cable lengths are ± 2 inches

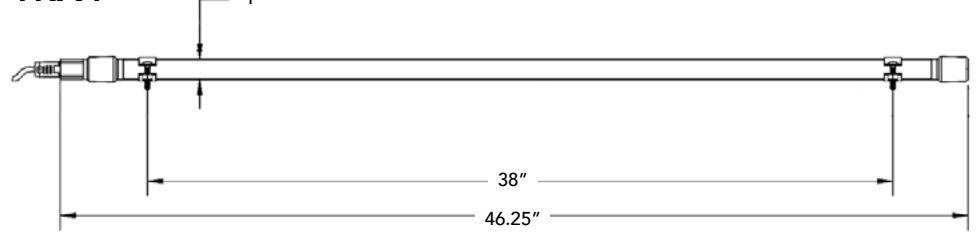| Cable	Type	Wire	End-to-end Length*	Fixture-to-fixture Length*	Inside Cable Length*
TRX-JMP-1	Jumper	14 ga SOOW	11.5"	9.5"	7"
TRX-JMP-4	Jumper	14 ga SOOW	56"	54"	51.5"
TRX-JMP-8	Jumper	14 ga SOOW	106"	103"	100.5"
TRX-LDR-8	Leader	14 ga SOOW	96"	-	-
*TRX-JMP-X-LSZH	Jumper	14 a LSZH	Made to Order	-	-
*TRX-LDR-X-LSZH	Leader	14 a LSZH	Made to Order	-	-

White — Jumper Cables — Black

White — Leader Cables
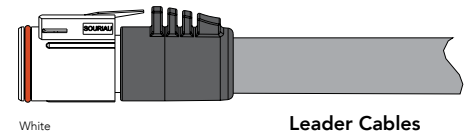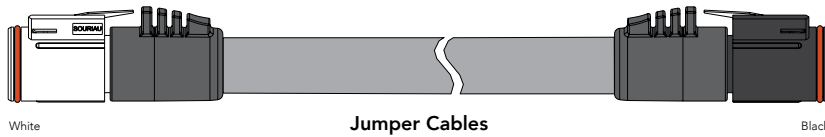
DIMENSIONAL DRAWINGS

TRX2

TRX4

TRX8