Orex™
LINE VOLTAGE LINEAR LED TAPE

KELVIX

RoHS COMPLIANT · ETL us · Damp Rated · Wet Rated

Description

Offering up to 500 lumens per foot, Orex is a simple indoor/outdoor line voltage solution to long run lengths requiring high output levels.

Features

- 120V Line Voltage
- Integral AC/DC Rectifier
- ETL, Triac, 0–10V (with LCX-1041)
- Hardwire or Plug-in Installation
- IP65

Series Spec

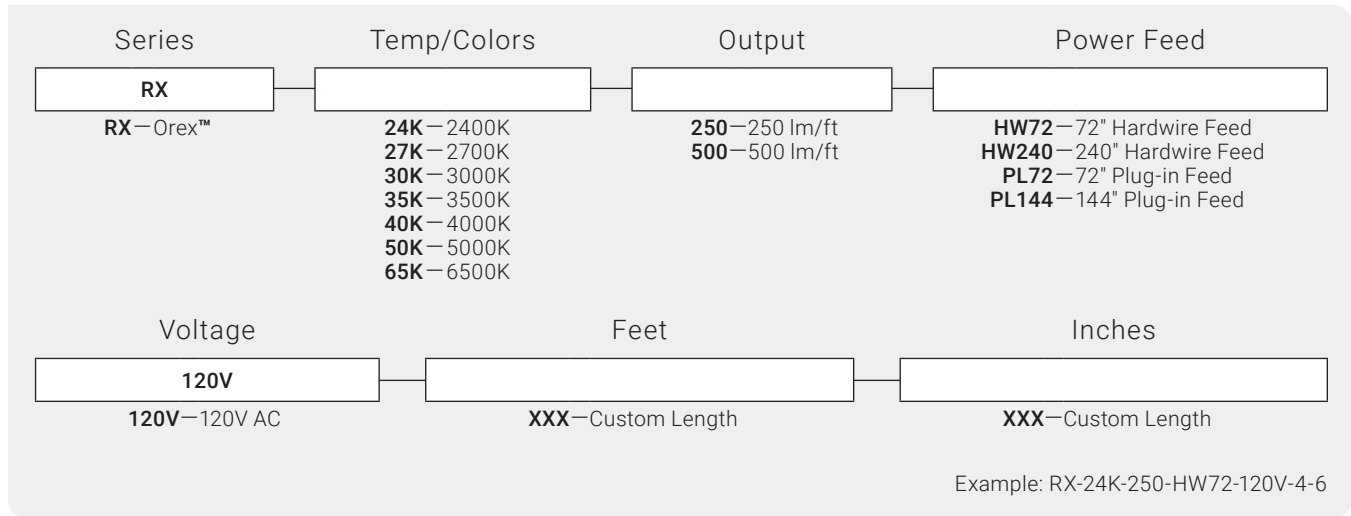|	
Series	RX
Temp/Colors	2400K–6500K
Input Voltage	120V AC
Watts per Foot	250 lm/ft = 3W/ft | 500 lm/ft = 6W/ft
Beam Spread	120°
CRI	90+
Diode	3056
Orex Width	0.56" (14.3mm)
Orex Height	0.25" (6.5mm)
End Cap Length	2.50" (63.5mm)
End Cap Width	0.75" (19.0mm)
End Cap Height	0.37" (10.0mm)
Cut Intervals	3.00" (76.0mm)
Max Run Length	250 lm/ft = 120ft per Power Feed
	500 lm/ft = 100ft per Power Feed
Dimming Protocol	0–10V (with LCX-1041)[1], Triac, and ELV
Operating Temp.	-4°F (-20°C) to 107°F (42°C)
Installation Temp.	32°F (0°C) to 107°F (42°C)
Storage Temp.	-4°F (-20°C) to 140°F (60°C)

Dimensions

3.00" (76.0mm)
CUT INTERVALS

0.75" (19.0mm)

2.50" (63.5mm)

0.37" (10.0mm)
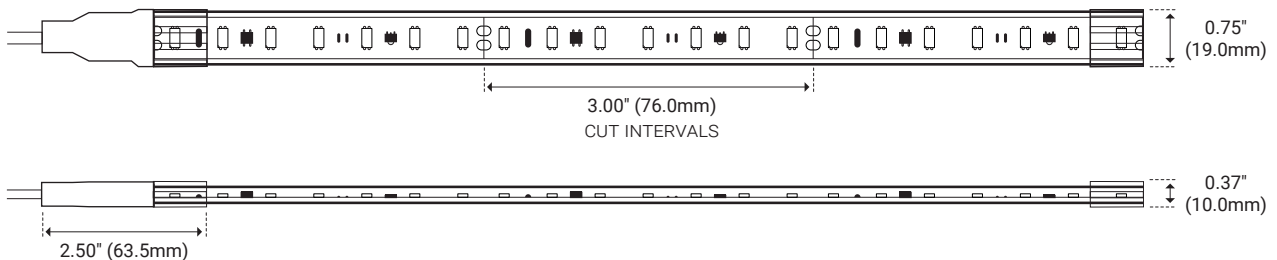
[1] See separate LCX-1041 spec sheet for more information.

Conforms to ANSI/UL Standard 1598

Product Code Builder

Series	Temp/Colors	Output	Power Feed
RX			
RX—Orex™	**24K**—2400K **27K**—2700K **30K**—3000K **35K**—3500K **40K**—4000K **50K**—5000K **65K**—6500K	**250**—250 lm/ft **500**—500 lm/ft	**HW72**—72" Hardwire Feed **HW240**—240" Hardwire Feed **PL72**—72" Plug-in Feed **PL144**—144" Plug-in Feed

Voltage	Feet	Inches
120V		
120V—120V AC	**XXX**—Custom Length	**XXX**—Custom Length

Example: RX-24K-250-HW72-120V-4-6

Series Data

	Configuration	2400K	2700K	3000K	3500K	4000K	5000K	6500K
	Tape Only	222	251	256	263	268	276	279
Orex 250	Tape, Channel, & Flat Lens	124	140	142	147	150	154	155
	Tape, Channel, & Square Lens	120	135	138	142	145	149	150
	Tape Only	412	464	473	487	497	511	516
Orex 500	Tape, Channel, & Flat Lens	237	267	272	281	286	294	297
	Tape, Channel, & Square Lens	245	275	281	290	295	304	306
% Difference from 30K	--	87%	98%	100%	103%	105%	108%	109%

┃ Mounting Options

Flat Aluminum Channel

Channel & Lens Specifications

Model	RX-CH-TL-2-FL
Channel Material	Aluminum
Lens Material	Acrylic
Length	78.74" (2m)
Width	0.81" (20.0mm)
Internal Width	0.61" (15.6mm)
Height	0.81" (20.5mm)
Light Transmission	57%

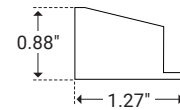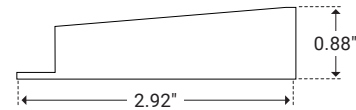Includes 1 set of end caps, 5 mounting clips, and flat pixel free lens.
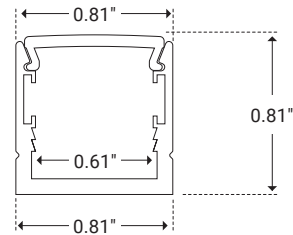
End Caps Specifications

Model	RX-EC-FL-SD

Start Cap Dimensions

Length	2.92" (74.23mm)
Width	1.52" (38.82mm)
Height	0.88" (22.5mm)

Finish Cap Dimensions

Length	1.27" (32.25mm)
Width	1.52" (38.82mm)
Height	0.88" (22.5mm)

Square Aluminum Channel

Channel & Lens Specifications

Model	RX-CH-TL-2-SQ
Channel Material	Aluminum
Lens Material	Acrylic
Length	78.74" (2m)
Width	0.81" (20.0mm)
Internal Width	0.61" (15.6mm)
Light Transmission	57%

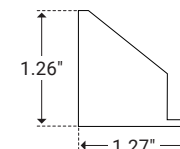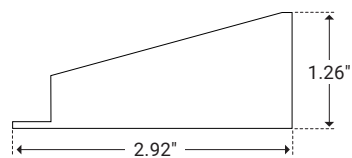Includes 1 set of end caps, 5 mounting clips, and square pixel free lens.
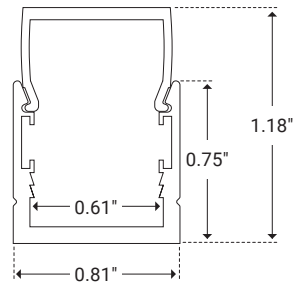
End Caps Specifications

Model	RX-EC-SQ-SD

Start Cap Dimensions

Length	2.92" (74.2mm)
Width	1.52" (38.8mm)
Height	1.26" (32.0mm)

Finish Cap Dimensions

Length	1.27" (32.0mm)
Width	1.52" (38.8mm)
Height	1.26" (32.0mm)

Mounting Options

Plastic Mounting Base

Specifications

Model	RX-CH-PL-2M
Material	Polycarbonate
Length	78.74" (2m)
Width	0.75" (18.9mm)
Height	0.44" (14.3mm)

0.44"

0.75"
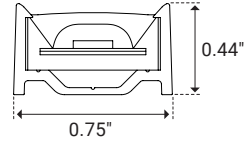
Mounting Clips

Specifications

Model	RX-CLP-F1-PAK-P
Material	Polycarbonate
Length	0.56" (15.0mm)
Width	0.78" (19.8mm)
Height	0.44" (11.3mm)

Includes 10 Clips

0.44"

0.78"
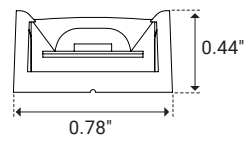
45° Mounting Clips

Specifications

Model	RX-CLP-A1-PAK-P
Material	ABS Plastic
Length	0.78" (19.7mm)
Width	0.97" (24.7mm)
Height	0.87" (22.0mm)

Includes 10 Clips

0.87"

0.97"
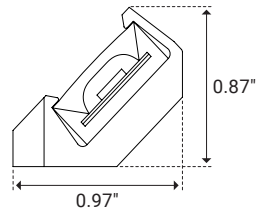
90° Mounting Clips

Specifications

Model	RX-CLP-V1-PAK-P
Material	ABS Plastic
Length	0.77" (19.6mm)
Width	0.52" (13.3mm)
Height	0.92" (23.3mm)

Includes 10 Dual Mounting Clips

0.92"

0.77"
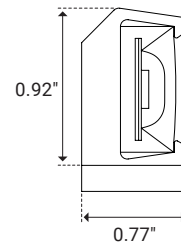
Base Mount
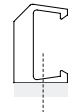
Back Mount

Hardwire Power & Connectors
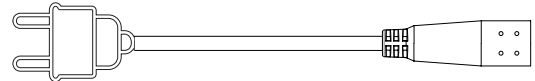
Hardwire Power Feed

Description	Ordering Codes
72" Length	HW72
240" Length	HW240

HOT
NEUTRAL
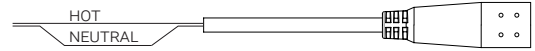
Plug-in Power Feed

Description	Ordering Codes
72" Length	PL72
144" Length	PL144

Jump Cables

Description	Ordering Codes
6" Length	RX-JP-6
24" Length	RX-JP-24
48" Length	RX-JP-48
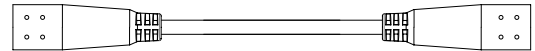
Aluminum Channels Diagram

Finish Cap

Lens

Start Cap

Aluminum Channel

Orex™

Mounting Clip