

FIXTURE TYPE \_\_\_\_\_

PROJECT NAME \_\_\_\_\_

LOCATION \_\_\_\_\_



# Orex™ 277V

LINE VOLTAGE LINEAR LED TAPE



## I Description

Skip the power supply and connect Orex 277V directly to your 277VAC source! With two different output options, a longer max run length, a variety of CCTs, and 0-10V control (with LCX-1042)<sup>1</sup>, Orex 277V is the perfect solution for your next project.

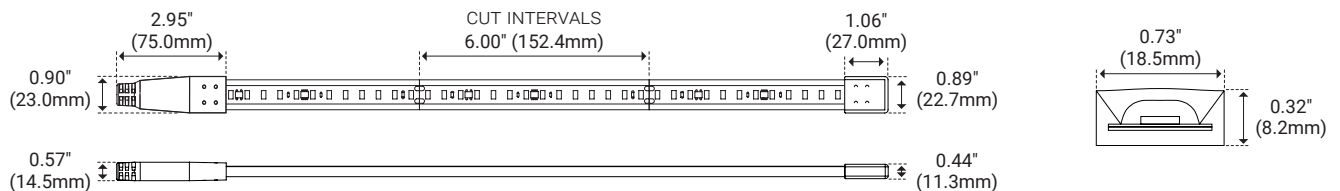
## I Features

- 277V Line Voltage
- Integral AC/DC Rectifier
- 150ft Continuous Max Run Length
- ETL Verified to UL-1598 Luminaires Standard
- Dimmable Using 0–10V (with LCX-1042)<sup>1</sup>, Triac, and ELV

## I Series Spec

Series	RX277
Temp/Colors*	2400K–6500K
Input Voltage	277V AC
Watts per Foot	3 W/ft, 5.5 W/ft
Beam Spread	120°
CRI	90+
Diode	3056
Cut Intervals	6" (152.4mm)
Max Run Length	150 ft (for both 3W/ft & 5.5W/ft versions)
Dimming Protocol	0–10V (with LCX-1042) <sup>1</sup> , Triac, and ELV
Operating Temp.	-4°F (-20°C) to 107°F (42°C)
IP Rating	IP65

## I Dimensions



<sup>1</sup>See separate LCX-1042 spec sheet for more information.

Conforms to ANSI/UL Standard 1598



## I Product Code Builder

Series	Temp/Colors*	Output	Power Feed
<b>RX277</b>			
RX277—Orex 277V	<b>24K</b> —2400K <b>27K</b> —2700K <b>30K</b> —3000K <b>35K</b> —3500K <b>40K</b> —4000K <b>50K</b> —5000K <b>65K</b> —6500K	<b>250</b> —250 lm/ft <b>500</b> —500 lm/ft	<b>H72</b> —72" Hardwire Feed <b>H240</b> —240" Hardwire Feed
Voltage	Feet	Inches	Modification
<b>277V</b>			<b>NA</b>
277V—277V AC	XXX—Custom Length	XXX—Custom Length	NA—None

Example: RX277-24K-250-H72-277V-4-6-NA

\* Customizable—Consult Factory

## I Series Data

	Configuration	2400K	2700K	3000K	3500K	4000K	5000K	6500K
Orex 277V 250	Tape Only	144	163	166	171	174	179	181
	Tape, Channel, & Flat Lens	87	98	100	103	105	108	109
	Tape, Channel, & Square Lens	86	97	99	102	104	107	108
Orex 277V 500	Tape Only	345	389	397	409	417	428	432
	Tape, Channel, & Flat Lens	205	231	236	243	248	255	257
	Tape, Channel, & Square Lens	219	247	252	259	264	272	275
% Difference from 30K	--	87%	98%	100%	103%	105%	108%	109%



## I Mounting Options

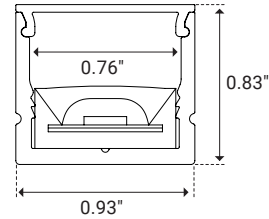
### Flat Aluminum Channel



#### Channel & Lens Specifications

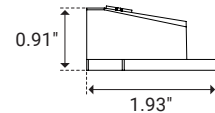
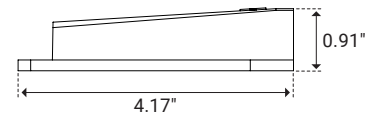
Model	RX277-CH-TL-2-FL
Channel Material	Aluminum
Lens Material	Acrylic
Length	78.74" (2m)
Width	0.93" (23.5mm)
Height	0.83" (21.1mm)
Internal Width	0.76" (19.4mm)
Light Transmission	60%

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



#### End Caps Specifications

Model	RX277-EC-FL-SD
Start Cap Dimensions	
Length	4.17" (106.0mm)
Width	1.89" (48.0mm)
Height	0.91" (23.0mm)
Finish Cap Dimensions	
Length	1.93" (49.0mm)
Width	1.83" (46.6mm)
Height	0.91" (23.0mm)



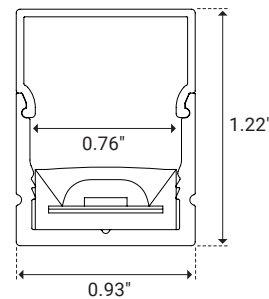
### Square Aluminum Channel



#### Channel & Lens Specifications

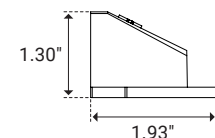
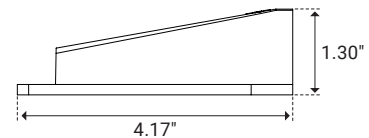
Model	RX277-CH-TL-2-SQ
Channel Material	Aluminum
Lens Material	Acrylic
Length	78.74" (2m)
Width	0.93" (23.5mm)
Height	1.22" (31.0mm)
Internal Width	0.76" (19.4mm)
Light Transmission	61%

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



#### End Caps Specifications

Model	RX277-EC-SQ-SD
Start Cap Dimensions	
Length	4.17" (106.0mm)
Width	1.90" (48.0mm)
Height	1.30" (33.0mm)
Finish Cap Dimensions	
Length	1.93" (49.0mm)
Width	1.83" (46.6mm)
Height	1.30" (33.0mm)

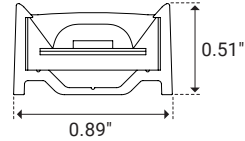


## I Mounting Options

### Plastic Mounting Base



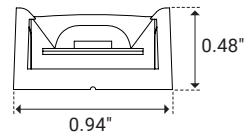
Unit Number	RX277-CH-PL-2M
Material	Polycarbonate
Length	78.74" (2m)
Width	0.89" (22.5mm)
Height	0.51" (13.0mm)



### Mounting Clips



Unit Number	RX277-CLP-F1-PAK-P
Material	Polycarbonate
Length	0.71" (18.0mm)
Width	0.94" (23.8mm)
Height	0.48" (12.3mm)

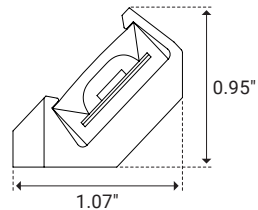


Description  
Includes 10 clips.  
Not compatible with Aluminum Channel or Plastic Mounting Base.

### 45° Mounting Clips



Unit Number	RX277-CLP-A1-PAK-P
Material	Polycarbonate
Length	0.79" (20.0mm)
Width	1.07" (27.3mm)
Height	0.95" (24.2mm)

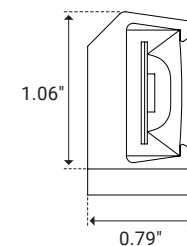


Description  
Includes 10 clips.  
Not compatible with Aluminum Channel or Plastic Mounting Base.

### 90° Mounting Clips



Unit Number	RX277-CLP-V1-PAK-P
Material	Polycarbonate
Length	0.62" (15.8mm)
Width	1.06" (27.0mm)
Height	0.79" (20.0mm)



Description  
Includes 10 Dual Mounting Clips. Not compatible with Aluminum Channel or Plastic Mounting Base.

Base Mount



Back Mount



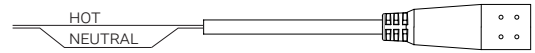


# I Hardwire Power & Connectors

## Hardwire Power Feed



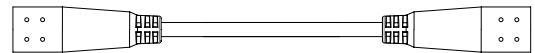
Description	Ordering Codes
72" Length	H72
240" Length	H240



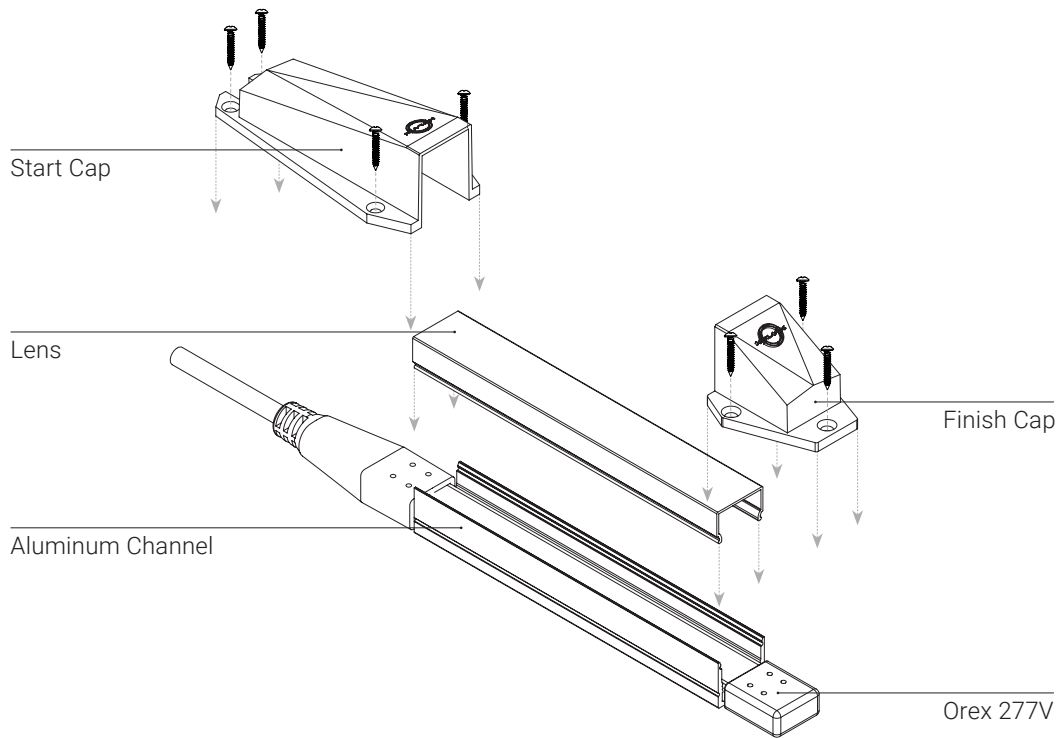
## Jump Cables



Description	Ordering Codes
6" Length	RX277-JP-6
24" Length	RX277-JP-24
48" Length	RX277-JP-48

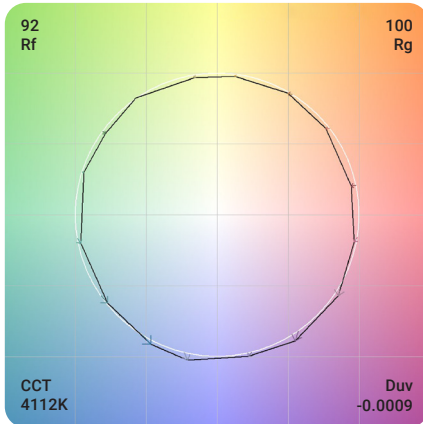


## Aluminum Channels Diagram





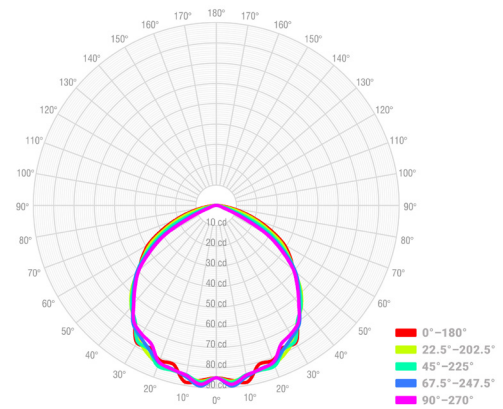
## I Colorimetric Details (4000K)



## I Photometric Details (3000K)

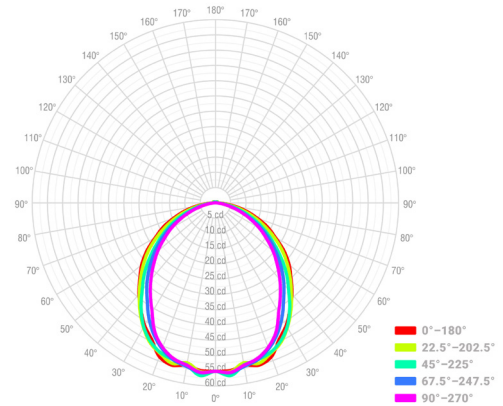
### 250 lm/ft Tape Only

Mtg Height	Light Level	Beam Diameter
6.00 ft	2 fc	16.00 ft
8.00 ft	1 fc	22.00 ft
10.00 ft	1 fc	27.00 ft
12.00 ft	1 fc	33.00 ft
15.00 ft	0 fc	41.00 ft



### 250 lm/ft in Channel with Flat Lens

Mtg Height	Light Level	Beam Diameter
6.00 ft	2 fc	14.00 ft
8.00 ft	1 fc	19.00 ft
10.00 ft	1 fc	24.00 ft
12.00 ft	0 fc	28.00 ft
15.00 ft	0 fc	36.00 ft

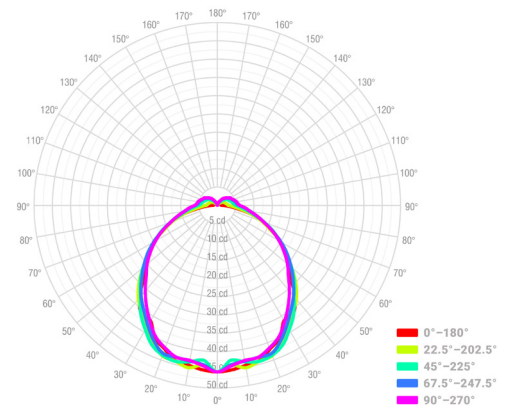




## I Photometric Details (3000K)

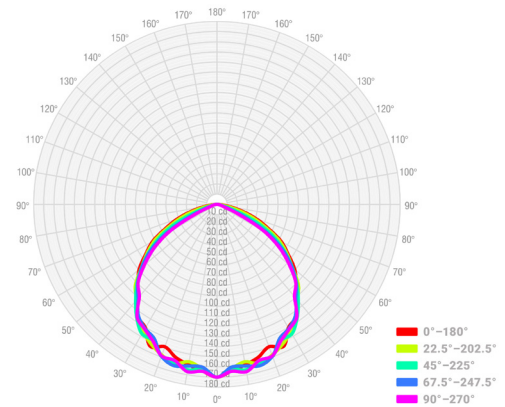
### 250 lm/ft in Channel with Square Lens

Mtg Height	Light Level	Beam Diameter
6.00 ft	1 fc	17.00 ft
8.00 ft	1 fc	22.00 ft
10.00 ft	0 fc	28.00 ft
12.00 ft	0 fc	34.00 ft
15.00 ft	0 fc	42.00 ft



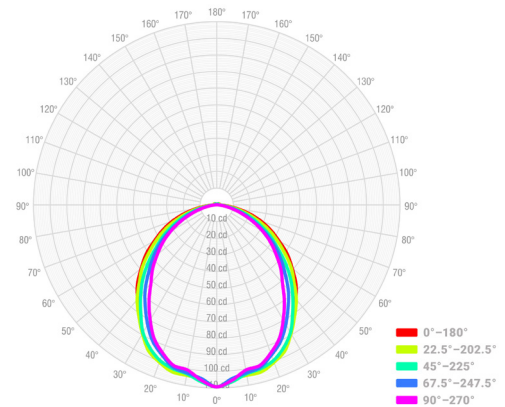
### 500 lm/ft Tape Only

Mtg Height	Light Level	Beam Diameter
6.00 ft	5 fc	16.00 ft
8.00 ft	3 fc	22.00 ft
10.00 ft	2 fc	27.00 ft
12.00 ft	1 fc	33.00 ft
15.00 ft	1 fc	41.00 ft



### 500 lm/ft in Channel with Flat Lens

Mtg Height	Light Level	Beam Diameter
6.00 ft	3 fc	14.00 ft
8.00 ft	2 fc	19.00 ft
10.00 ft	1 fc	23.00 ft
12.00 ft	1 fc	28.00 ft
15.00 ft	0 fc	35.00 ft



### 500 lm/ft in Channel with Square Lens

Mtg Height	Light Level	Beam Diameter
6.00 ft	2 fc	17.00 ft
8.00 ft	1 fc	23.00 ft
10.00 ft	1 fc	29.00 ft
12.00 ft	1 fc	34.00 ft
15.00 ft	0 fc	43.00 ft

