

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)¹, Orex 277V is the perfect solution for your next project.

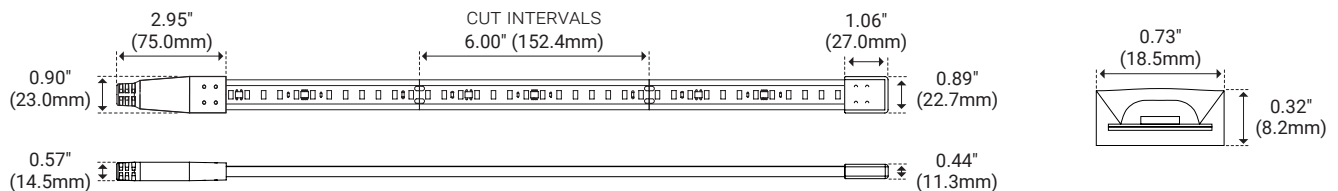
I Features

- 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)¹, 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) ¹ , Triac, and ELV
Operating Temp.	-4°F (-20°C) to 107°F (42°C)
IP Rating	IP65

I Dimensions



¹See separate LCX-1042 spec sheet for more information.

Conforms to ANSI/UL Standard 1598
 Certified to CAN/CSA Standard C22.2 NO. 250.0



I Product Code Builder

Series	Temp/Colors*	Output	Power Feed
RX277			
RX277 —Orex 277V	24K —2400K 27K —2700K 30K —3000K 35K —3500K 40K —4000K 50K —5000K 65K —6500K	250 —250 lm/ft 500 —500 lm/ft	H72 —72" Hardwire Feed H240 —240" Hardwire Feed
Voltage	Feet	Inches	Modification
277V			NA
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

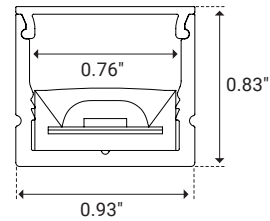
Flat Aluminum Channel



Channel & Lens Specifications

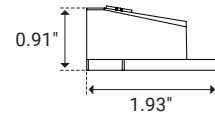
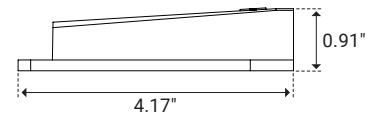
Model	RX277-CH-TL-2-FL
Channel Material	Aluminum
Lens Material	Acrylic
Length	78.74" (2m)
Width	0.93" (23.5mm)
Height	0.83" (21.1mm)
Internal Width	0.76" (19.4mm)
Light Transmission	60%

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)



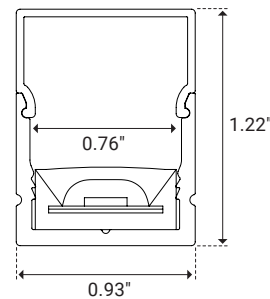
Square Aluminum Channel



Channel & Lens Specifications

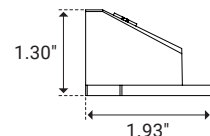
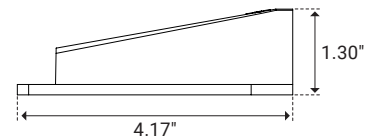
Model	RX277-CH-TL-2-SQ
Channel Material	Aluminum
Lens Material	Acrylic
Length	78.74" (2m)
Width	0.93" (23.5mm)
Height	1.22" (31.0mm)
Internal Width	0.76" (19.4mm)
Light Transmission	61%

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)



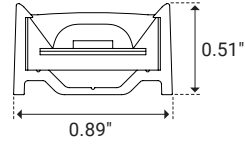
I Mounting Options

Plastic Mounting Base



Specifications

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



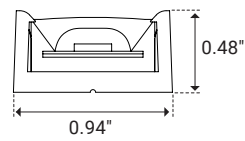
Mounting Clips



Specifications

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

Includes 10 Clips



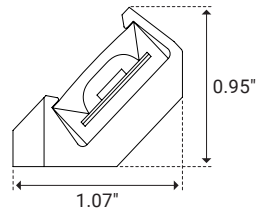
45° Mounting Clips



Specifications

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

Includes 10 Clips



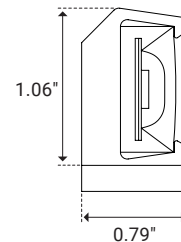
90° Mounting Clips



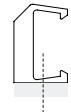
Specifications

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

Includes 10 Dual Mounting Clips



Base Mount



Back Mount



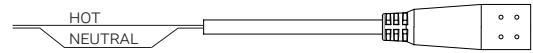


I Hardwire Power & Connectors

Hardwire Power Feed



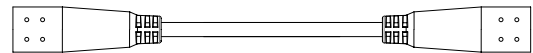
Description	Ordering Codes
72" Length	H72
240" Length	H240



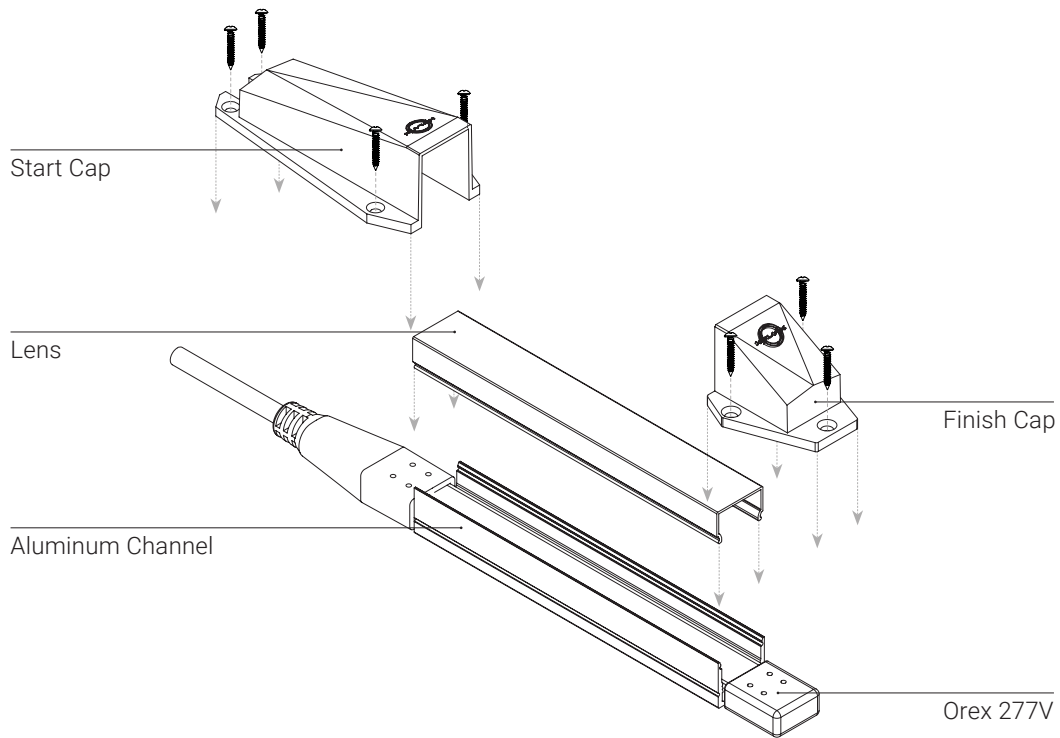
Jump Cables



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

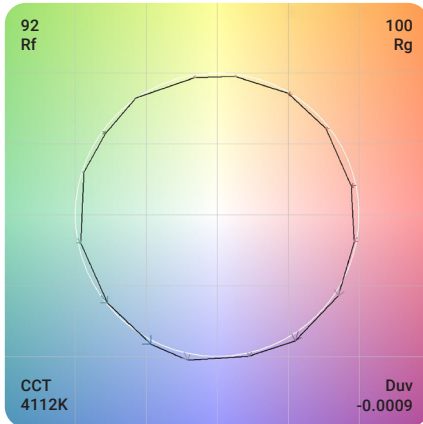


Aluminum Channels Diagram





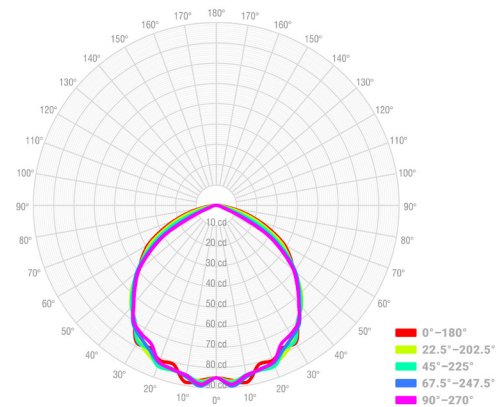
I Colorimetric Details (4000K)



I Photometric Details (3000K)

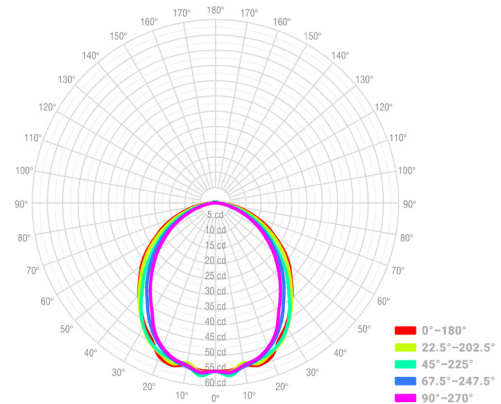
250 lm/ft Tape Only

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

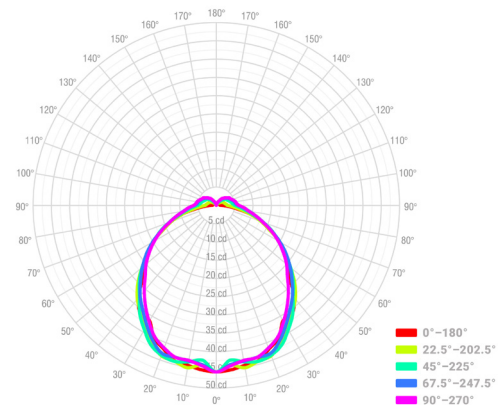




I Photometric Details (3000K)

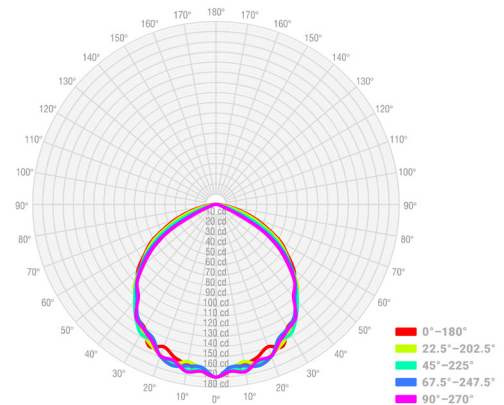
250 lm/ft in Channel with Square Lens

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



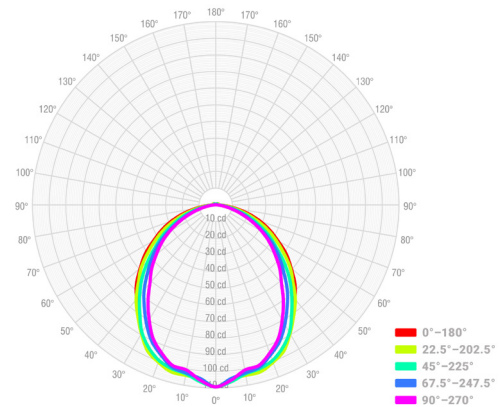
500 lm/ft Tape Only

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

