



# Complete Specification Sheet

## Orex™ 277V Static White

LINEAR  
LED



# Orex™ 277V Static White

Line Voltage Linear LED Tape



### Specifications

<b>Category</b>	Linear LED
<b>Series</b>	Orex 277V
<b>Family</b>	Static White
<b>Watts Per Foot</b>	250 lm/ft = 3W/ft, 500 lm/ft = 6W/ft
<b>Environment</b>	IP65
<b>CRI</b>	90+
<b>CCT Options</b>	2400K, 2700K, 3000K, 3500K, 4000K, 5000K, 6500K
<b>Input Voltage</b>	277V AC
<b>Width</b>	0.89in (22.7mm)
<b>Height</b>	0.44in (11.3mm)
<b>Max Run Length</b>	150ft
<b>Cut Intervals</b>	6.00in (152.4mm)
<b>Beam Angle</b>	120°
<b>Operating Temp.</b>	-4°F (-20°C) to 107°F (42°C)
<b>Dimming Options</b>	0-10V (with LCX-1041), Triac, and ELV

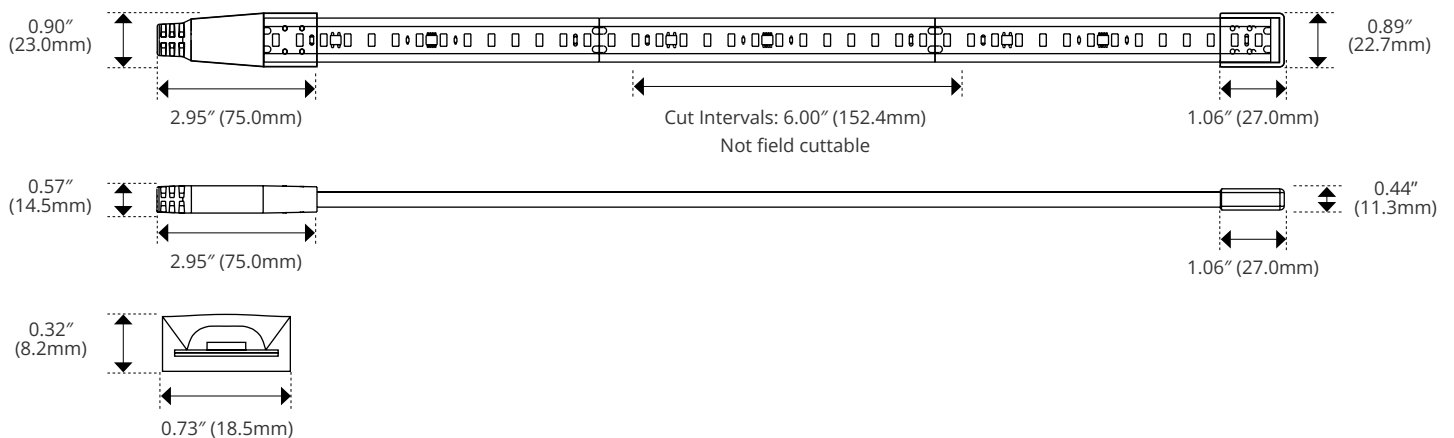
### Features

- 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) Triac, and ELV

### 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.

### Dimensions



Kelvix reserves the right to update the product specifications at any time. Field modifications will void ETL listing and warranty.

Conforms to ANSI/UL Standard 2108  
Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type \_\_\_\_\_

Project Name \_\_\_\_\_

Location \_\_\_\_\_

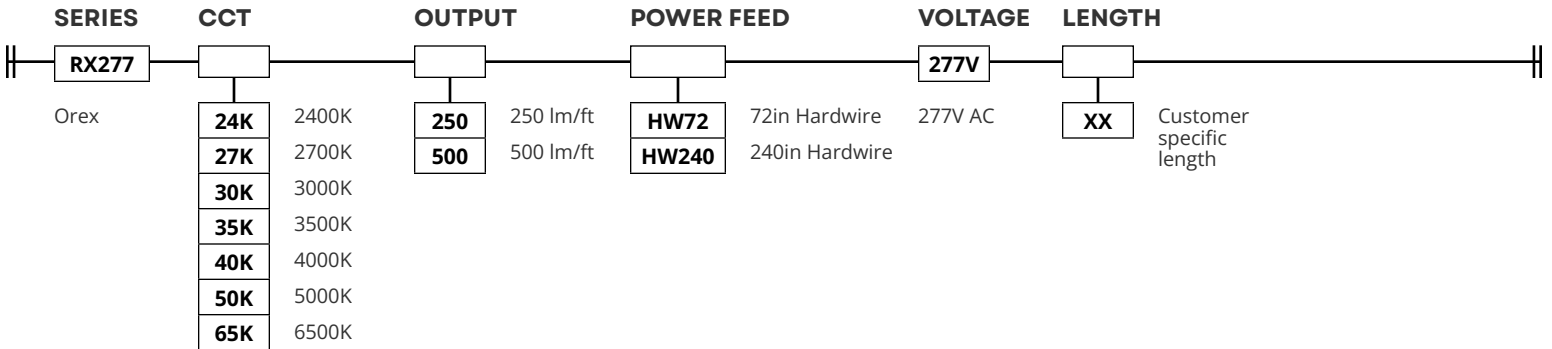


# Product Code Builder

## Orex™ 277V Static White

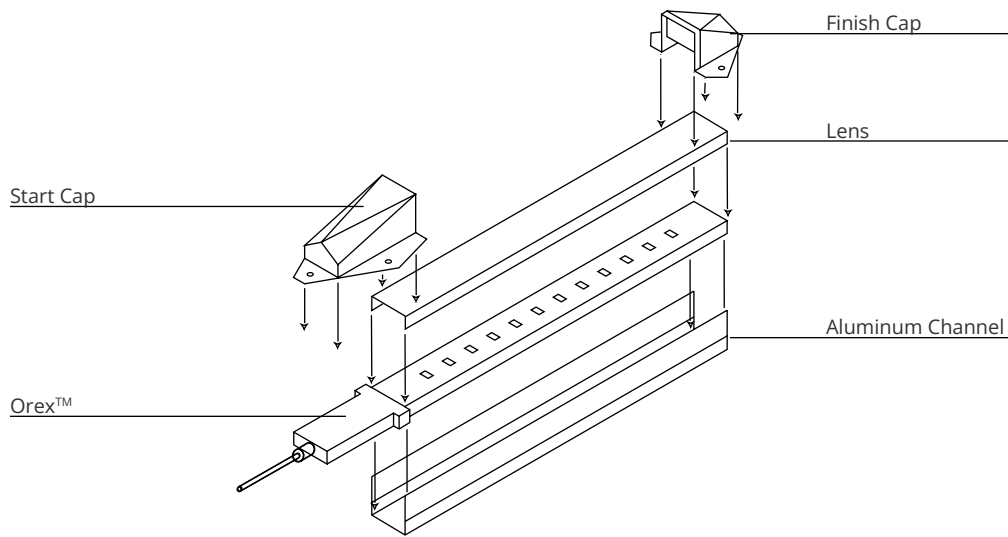
### Product Code Builder

Example: RX277-27K-250-HW72-277V-XX



### PRODUCT DATA

	Configuration	2400K	2700K	3000K	3500K	4000K	5000K	6500K
<b>Orex 250</b>	<b>Tape Only</b>	114	163	166	171	174	179	181
	<b>Tape, Channel, &amp; Flat Lens</b>	87	98	100	103	105	108	109
	<b>Tape, Channel, &amp; Square Lens</b>	86	97	99	102	104	107	108
<b>Orex 500</b>	<b>Tape Only</b>	345	389	397	409	417	428	432
	<b>Tape, Channel, &amp; Flat Lens</b>	205	231	236	243	248	255	257
	<b>Tape, Channel, &amp; Square Lens</b>	219	247	252	259	264	272	275
<b>% Difference from 30K</b>	--	87%	98%	100%	103%	105%	108%	109%



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Fixture Type \_\_\_\_\_  
 Project Name \_\_\_\_\_  
 Location \_\_\_\_\_

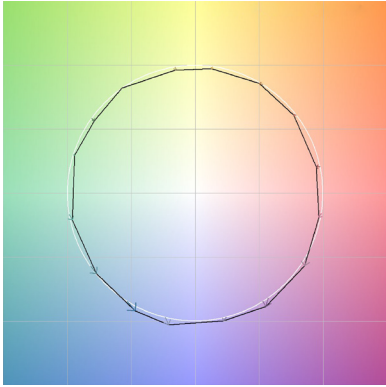


# Product Details

## Orex™ 277V Static White

### Photometric 4000K

250 LM/FT 4000K

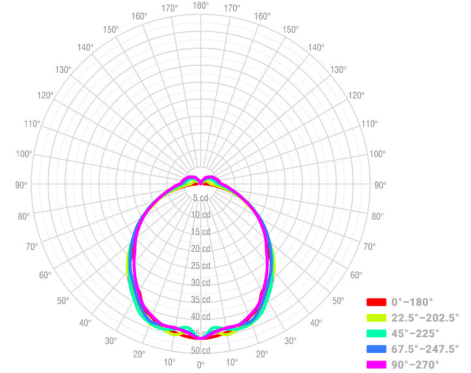
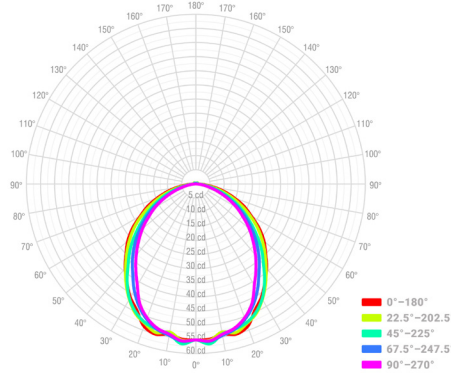
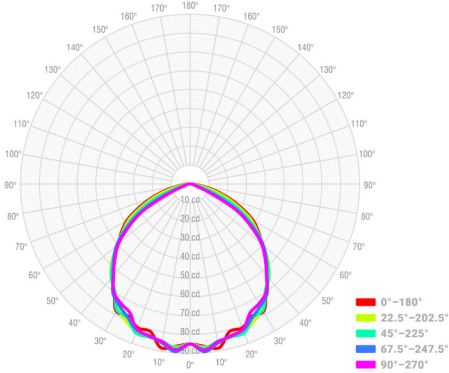


### Photometric 3000K

250 LM/FT TAPE ONLY

250 LM/FT WITH FLAT LENS

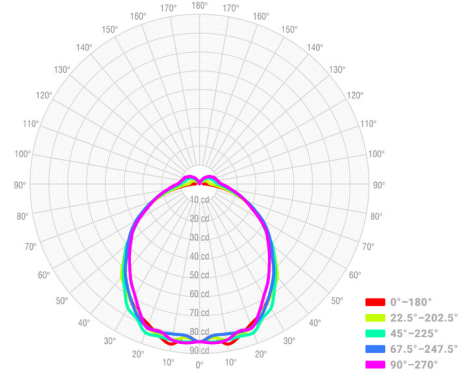
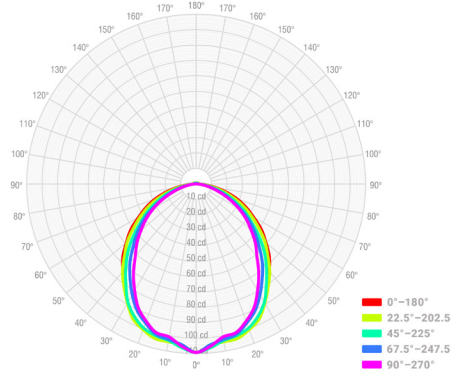
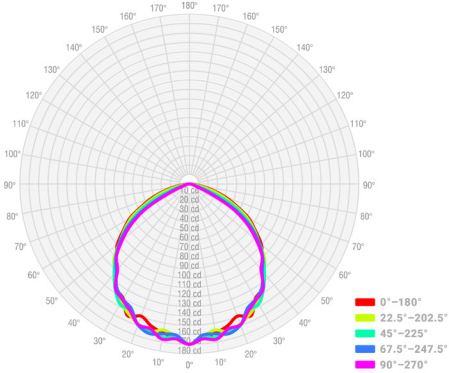
250 LM/FT WITH SQUARE LENS



500 LM/FT TAPE ONLY

500 LM/FT WITH FLAT LENS

500 LM/FT WITH SQUARE LENS



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Fixture Type \_\_\_\_\_

Project Name \_\_\_\_\_

Location \_\_\_\_\_



# Aluminum Mounting Options

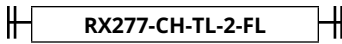
## Orex™ 277V Static White

### Mounting Options

#### IMAGE

Aluminum mounting options are not compatible with plastic mounting options

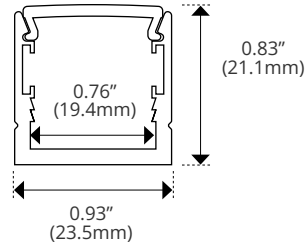
Flat Aluminum Channel



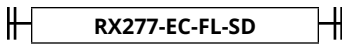
<b>Length</b>	78.74in (2m)
<b>Width</b>	0.93in (23.5mm)
<b>Height</b>	0.83in (21.1mm)
<b>Internal Width</b>	0.76in (19.4mm)
<b>Light Transmission</b>	60%

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

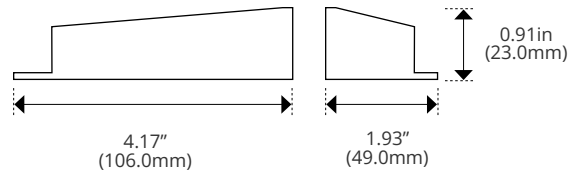
#### DIMENSIONS



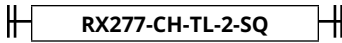
Flat Channel End Cap



<b>Start Cap Length</b>	4.17in (106.0mm)
<b>Finish Cap Length</b>	1.93in (49.0mm)
<b>Width</b>	1.89in (48.0mm)
<b>Height</b>	0.91in (23.0mm)

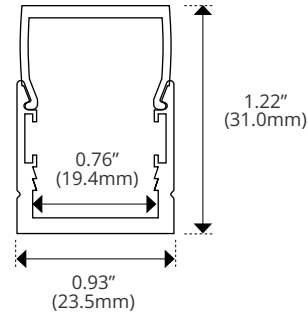


Square Aluminum Channel

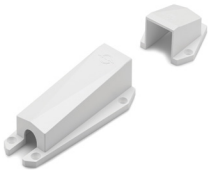


<b>Length</b>	78.74in (2m)
<b>Width</b>	0.93in (23.5mm)
<b>Height</b>	1.22in (31.0mm)
<b>Internal Width</b>	0.76in (19.4mm)
<b>Light Transmission</b>	61%

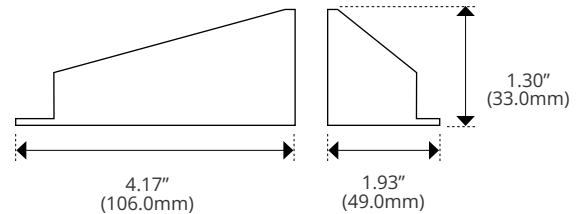
Includes 1 set of end caps, 5 mounting clips, and flat pixel free lens.



Square Channel End Cap



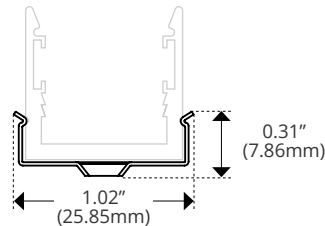
<b>Start Cap Length</b>	4.17in (106.0mm)
<b>Finish Cap Length</b>	1.93in (49.0mm)
<b>Width</b>	1.83in (46.6mm)
<b>Height</b>	1.30in (33.0mm)



Stainless Steel Clip



<b>Length</b>	1.02in (25.85mm)
<b>Width</b>	0.79in (20.0mm)
<b>Height</b>	0.31in (7.86mm)



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Fixture Type \_\_\_\_\_

Project Name \_\_\_\_\_

Location \_\_\_\_\_



# Plastic Mounting Options

## Orex™ 277V Static White

### Mounting Options

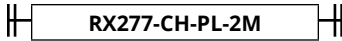
#### IMAGE

Plastic mounting options are not compatible with aluminum mounting options

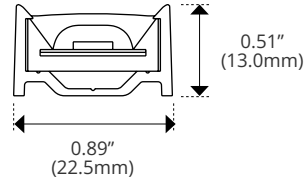
#### SPECIFICATIONS

#### DIMENSIONS

Plastic Mounting Base



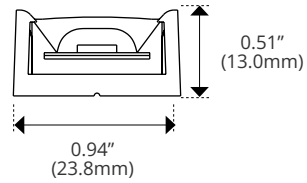
<b>Length</b>	78.74in (2m)
<b>Width</b>	0.89in (22.5mm)
<b>Height</b>	0.51in (13.0mm)



Mounting Clip



<b>Length</b>	0.71in (18.0mm)
<b>Width</b>	0.94in (23.8mm)
<b>Height</b>	0.44in (14.3mm)

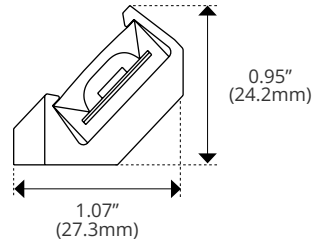


Pack of 10 Units

45° Mounting Clip



<b>Length</b>	0.79in (20.0mm)
<b>Width</b>	1.07in (27.3mm)
<b>Height</b>	0.95in (24.2mm)

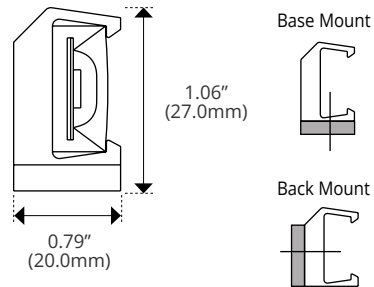


Pack of 10 Units

90° Mounting Clip



<b>Length</b>	0.62in (15.8mm)
<b>Width</b>	1.06in (27.0mm)
<b>Height</b>	0.79in (20.0mm)



Pack of 10 Units



# Power Feed Details

## Orex™ 277V Static White

### Factory Molded Power Feeds and Connectors

#### IMAGE

#### DETAILS

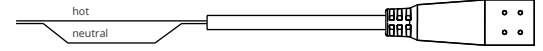
#### DIAGRAM

##### Hardwire Power Feed



RX277-HWP-72-IM | 72in (6.0ft)

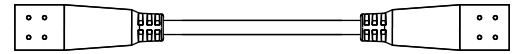
RX277-HWP-240-IM | 240in (20.0ft)



##### Jump Cables



SERIES	TYPE	LENGTH	TYPE
RX277	JP		IM
Orex	Jumper Cable	6	Injection Mold
		24	
		48	
		6in (0.5ft)	
		24in (2.0ft)	
		48in (4.0ft)	





# Power Details

## Orex™ 277

### Power Supply Details

#### DETAILS

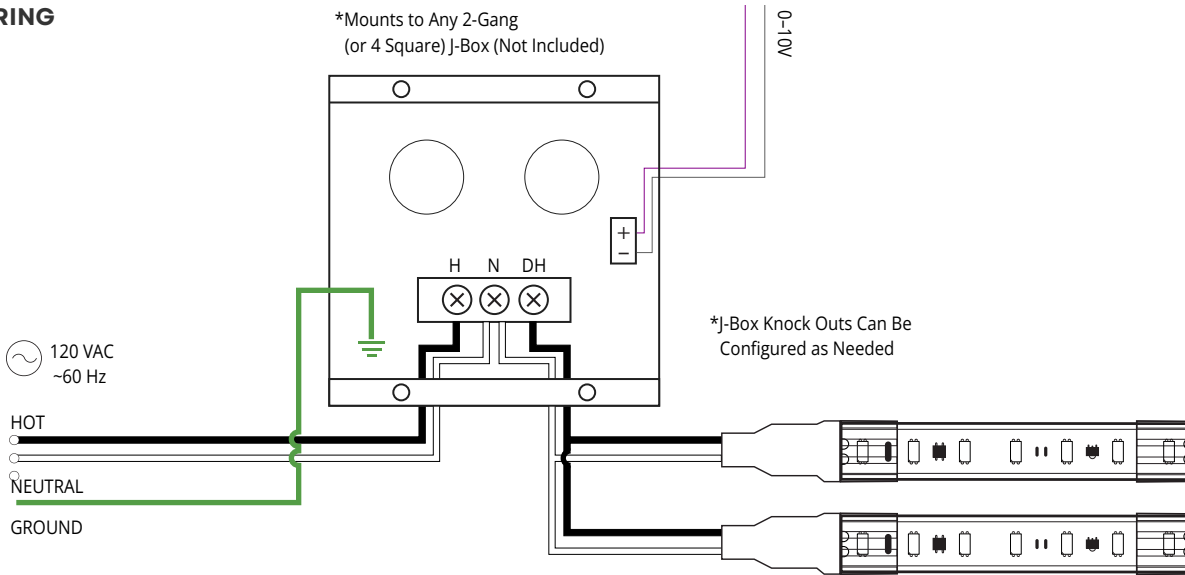


#### SPECIFICATION

<b>LCX-1042</b>	
<b>Model</b>	LCX-1042
<b>Input Voltage</b>	277V AC
<b>Output Voltage</b>	277V AC
<b>Input Max Amp</b>	4A
<b>Output</b>	1000W Max
<b>Front Panel Dimensions</b>	4.8in (121.9mm) × 4.8in (121.9mm)
<b>Depth</b>	1.87"
<b>Ambient Temperature</b>	104°F Max

1 Channel × 1000W Dimmer @ 277V AC  
 Mounts to Any 2-Gang (or 4 Square) J-Box  
 0-10V Control Inputs

#### WIRING



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Fixture Type \_\_\_\_\_  
 Project Name \_\_\_\_\_  
 Location \_\_\_\_\_