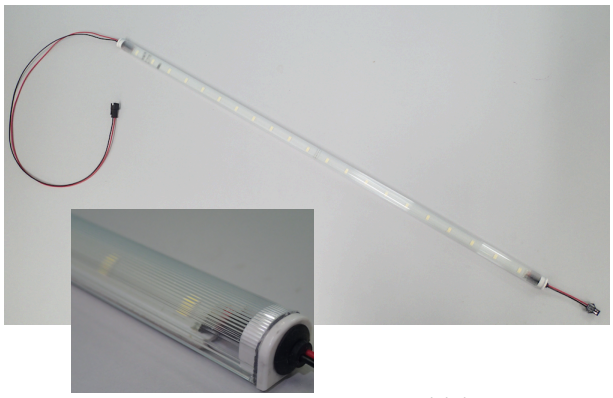
ULF40000 Series Light Tube



ULF402VW model shown

ULF40000 Series
The OptoElectronix™ ULF40000 Series is linear light tube with a plastic housing. It is specifically designed for display cabinets or under-counter applications typically as a replacement for florescent tubes.

Features

- Low profile linear light tube
- LM80-08 rated LEDs
- No filaments, vibration proof
- Sealed construction, IP66

Key Applications
The ULF40000 primarily used as a light source for display cases, vending machines and display back-lighting. For some models power wires extend out of both ends for ease of daisy-chaining.

Thermal Management
ULF40000 was designed using thermal profiling and simulation so that the LEDs and components are operated significantly below the maximum specification limits, ensuring prolonged life-span.

Certifications
IESNA LM80-08: LEDs used comply with LM80-08
RoHS: Compliant

Product Specifications

ULF402VW SP01 K57C80L350		
Input Voltage DC	volts	24
Total Power (typical)	watts	4
Luminous Flux	lumens	350
Luminous Efficacy	lm per watt	88
CCT	°K	5700
Color Rendering Index (CRI)		80
Beam Angle	degrees	110
Housing Texture		Clear
Length	inches	23
Wire Lengths	inches	2” + 2”
Mounting		3 x 2” Double-sided Tape at the back

ULF402VW SP02 K57C80L350		
Input Voltage DC	volts	24
Total Power (typical)	watts	4
Luminous Flux	lumens	350
Luminous Efficacy	lm per watt	88
CCT	°K	5700
Color Rendering Index (CRI)		80
Beam Angle	degrees	110
Housing Texture		Clear
Length	inches	23
Wire Lengths	inches	2” + 19”
Mounting		3 x 2” Double-sided Tape at the back

ULF401VW SP01 K57C80L500		
Input Voltage DC	volts	12
Total Power (typical)	watts	4.7
Luminous Flux	lumens	500
Luminous Efficacy	lm per watt	106
CCT	°K	5700
Color Rendering Index (CRI)		80
Beam Angle	degrees	110
Housing Texture		Clear, PMMA
Length	inches	15.68
Wire Lengths	inches	54.25
End-cap		Opaque, PMMA

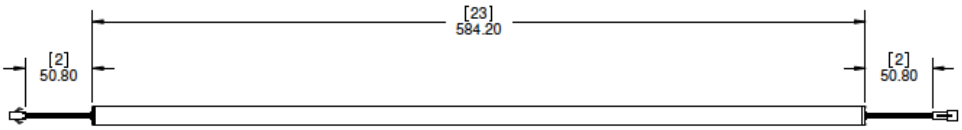
ULF401VW SP02 K57C80L500		
Input Voltage DC	volts	12
Total Power (typical)	watts	4.7
Luminous Flux	lumens	500
Luminous Efficacy	lm per watt	106
CCT	°K	5700
Color Rendering Index (CRI)		80
Beam Angle	degrees	110
Housing Texture		Clear, PMMA
Length	inches	15.68
Wire Lengths	inches	46.0
End-cap		Opaque, PMMA

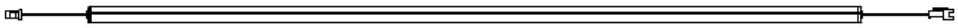
Environmental Specifications	
Operating Temperature	-20°C to +50°C
Thermal Management	Self Cooled, no additional heat sinking required
Lumens Maintenance at L70	>50,000 hours (per LM80/TM21)
Warranty	50,000 hours or 5 years whichever comes first

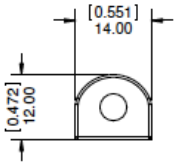
Mechanicals

[inches]
mm

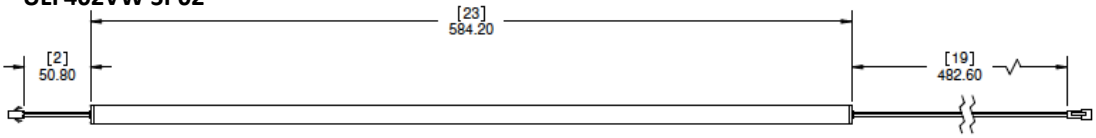
ULF402VW SP01

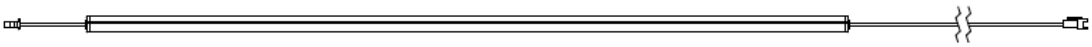




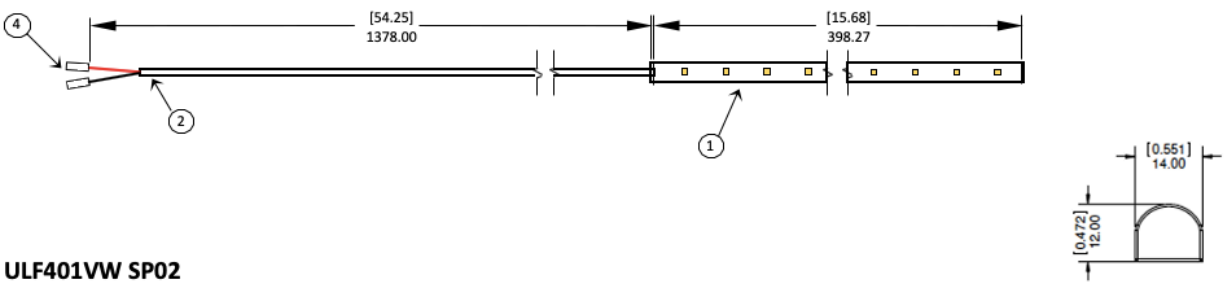


ULF402VW SP02

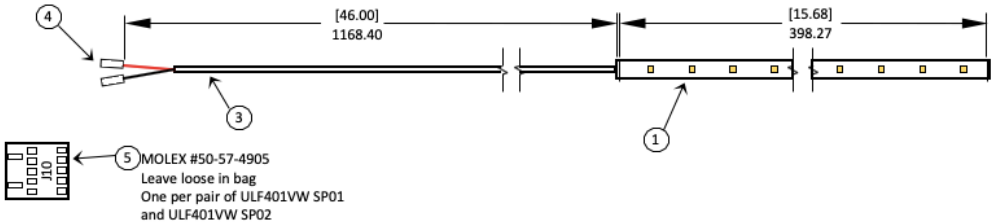




ULF401VW SP01



ULF401VW SP02



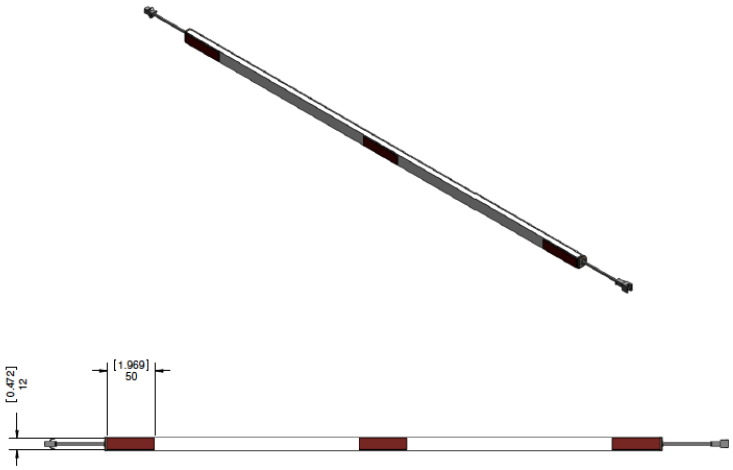
For ULF401VW SP01 & ULF401VW SP02 pair

Item	Qty	Part Number	Description
1	2	ULF40000 Series Light Tube	OptoElectronix LED Light Tube
2	1	customized	54.25 in. 2-Core UL AWM Cable with Black & Red 22 AWG wires
3	1	customized	46.00 in. 2-Core UL AWM Cable with Black & Red 22 AWG wires
4	4	Molex 16-02-0103	Connector Pins
5	1	Molex #50-9405	Connector Housing

Mounting

(for ULF402VW SP01 & ULF402VW SP02)

Mounting is by three 2-inch strips of Double-sided Tape at the back of the unit.



For other mounting configurations contact Opto Sales/Marketing.

Wire Connections

(for ULF402VW SP01 & ULF402VW SP02)

The units can be safely daisy-chained up to 10 units in a chain.

Options

Product can be customized to your applications.

Customizable options are:

- Input voltage
- CCT: 2200K, 2700K, 3000K, 4000K, 5000K, 5700K, 6500K, Colored LEDs
- CRI: 70, 80 or 90
- Length of product
- Housing: Clear or Diffused
- Wire Lengths
- Mounting: Double-sided Tape or Screw clamps

Contact Opto Sales/Marketing with your specifications