

# Flexible LED Light Strip

## 30 LEDs per strip

### OVQ12S30x7

1 strip	Length: 19.7 inches	Contains 30 LEDs
Unit Price = 1 strip		

UL FILE E339817

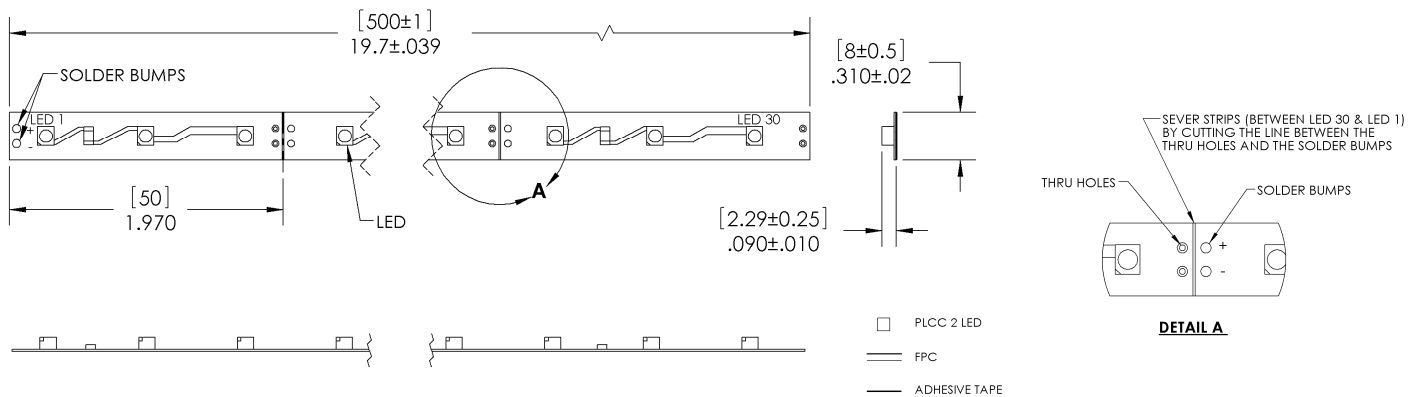


This LED Light Strip is a flexible and scalable lighting solution using high brightness LEDs to supply illumination for residential, commercial, and industrial applications. Up to 16 feet (5 meters) can be operated with a single 12V power supply. Dual-sided tape provides easy installation in most indoor applications and allows many different configurations.

#### Applications

- Commercial and residential decoration
- Under-counter lighting
- Media illumination
- Large area backlighting
- Small to medium channel letters
- Point-of-sale displays
- Neon replacement

Part Number	Color	Material	Dominant Wavelength $\lambda$ D (nm) or CCT (K) Typical	Typical Illumination (lux @ 0.5m)
OVQ12S30B7	Blue	InGaN	470nm	20
OVQ12S30G7	Green	InGaN	525nm	50
OVQ12S30R7	Red	AllnGaP	625nm	32
OVQ12S30W7	White	InGaN	5500°K	68
OVQ12S30WW7	Warm White	InGaN	3300°K	60
OVQ12S30Y7	Yellow	AllnGaP	590nm	32



#### Notes:

- All dimensions are in inches [millimeters].
- Flexible strip can be cut at the end of any section.
- Each unit begins with solder pads for wire connection.
- 12-volt, 20 Watt power supply is sufficient for up to 300 LEDs (1 reel).



**DO NOT LOOK DIRECTLY  
AT LED WITH UNSHIELDED  
EYES OR DAMAGE TO  
RETINA MAY OCCUR.**

OPTEK reserves the right to make changes at any time in order to improve design and to supply the best product possible.

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### Absolute Maximum Ratings $(T_A = 25^\circ\text{C}$ unless otherwise noted)

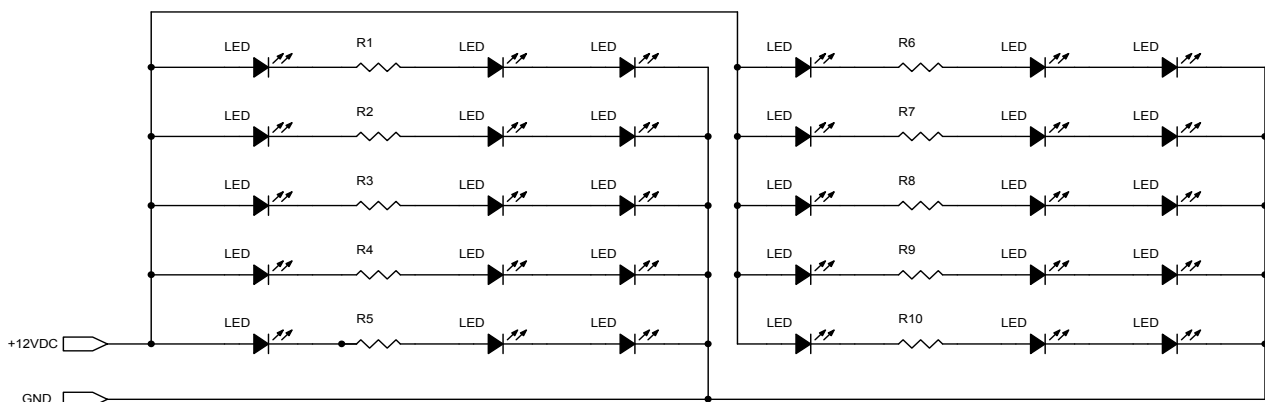
Storage Temperature Range		-40 ~ +80° C
Operating Temperature Range		-30 ~ +50° C
Mounting Surface Temperature		60° C
Input Voltage (DC)		12 V
Power Dissipation	Red / Yellow	2.7 W
	Green / Blue	2.3 W
	White/ Warm White	
LED Junction Temperature		125° C
Electrostatic Discharge Classification (JEDEC-JESD22-A114F)		Class 1C
Flammability Rating of the Flex Circuit		V0

### Typical Specification $(T_A = 25^\circ\text{C}$ unless otherwise noted)

Input Voltage (DC)*		12 V
Power Consumption	Red / Yellow	1.9 W
	Green / Blue	1.6 W
	White/ Warm White	
Beam Angle		120°
Net Weight		5 g

\* Exceeding the typical input voltage can damage the LEDs and reduce the operating life of the product.

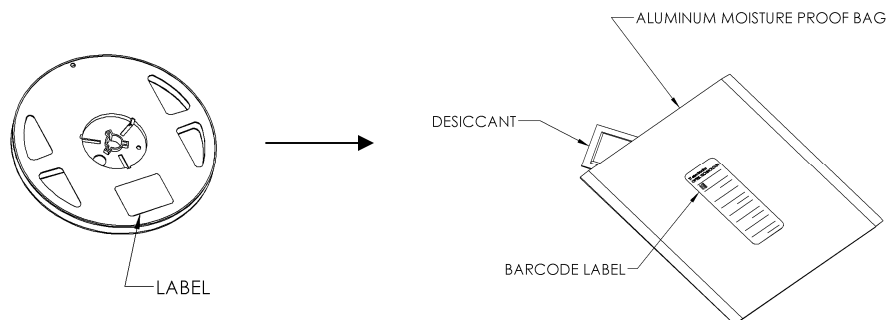
### Product Circuit



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Packaging: 7" reel / 10 strips per reel



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