Flexible LED Light Strip
30 LEDs per strip

TT electronics
OPTEK Technology

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 λD (nm) or CCT (K) Typical	Typical Illumination (lux @ 0.5m)
OVQ12S30B7	Blue	InGaN	470nm	20
OVQ12S30G7	Green	InGaN	525nm	50
OVQ12S30R7	Red	AlInGaP	625nm	32
OVQ12S30W7	White	InGaN	5500°K	68
OVQ12S30WW7	Warm White	InGaN	3300°K	60
OVQ12S30Y7	Yellow	AlInGaP	590nm	32
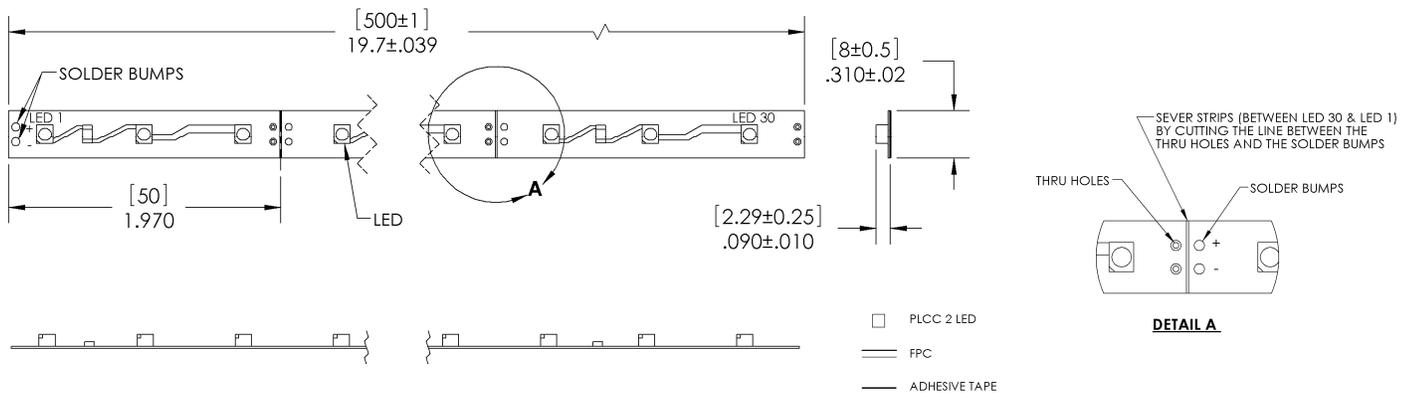
Notes:

- All dimensions are in inches [millimeters].
- Each strip begins with solder pads for wire connection.
- 12-volt, 20 Watt power supply is sufficient for up to 300 LEDs (1 reel).
- For smaller applications, the strip can be cut at the end of any 1.97" section.
- To add solder bumps to the cut sections, the X-Acto® #16 scoring blade works very well to expose the copper contacts. Caution should be exercised so as not to remove the copper coating.

RoHS

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES

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

OPTEK Technology Inc. — 1645 Wallace Drive, Carrollton, Texas 75006
Phone: (972) 323-2200 or (800) 341-4747   FAX: (972) 323-2396   visibleLED@optekinc.com   www.optekinc.com

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Absolute Maximum Ratings ($T_A = 25^\circ$ 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 White/ Warm White	2.3 W
LED Junction Temperature		125°C
Electrostatic Discharge Classification (JEDEC-JESD22-A114F)		Class 1C
Flammability Rating of the Flex Circuit		V0

Typical Specification ($T_A = 25^\circ$ C unless otherwise noted)

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

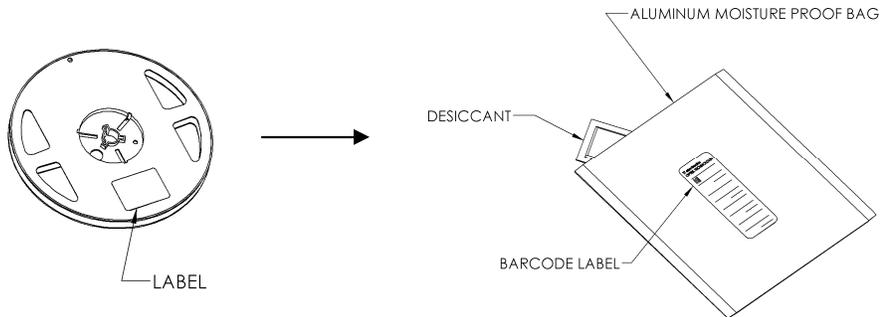* Exceeding the typical input voltage can damage the LEDs and reduce the operating life of the product.

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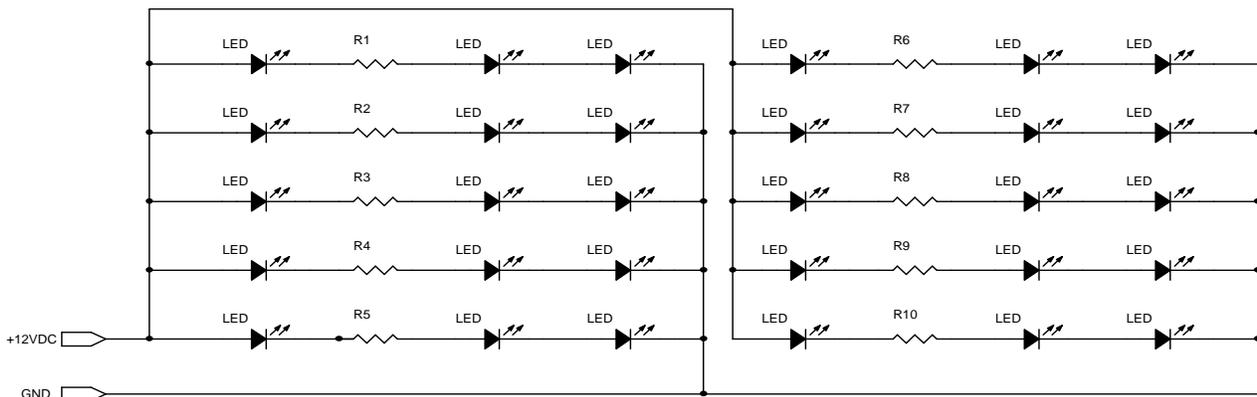
OPTEK reserves the right to make changes at any time in order to improve design and to supply the best product possible.

Packaging: 7" reel / 10 strips per reel

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