

# MICROLUX 620NM

## 24V DC Turtle Friendly Diffuse Flexible LED

Featuring a fully encased tape light, the MicroLux turtle friendly neon provides smooth evenly diffused light that eliminates the needs for additional extrusion housings and lenses. With 620NM light emitting from three sides, this is a unique product that can be used in small spaces, or be placed on in direct view to meet the needs of dynamic lighting installations.

- Low-profile, flexible light strip emits light from 3 sides producing a 160° beam angle
- UV, flame, and saltwater resistant (IP65) PU coating
- 620NM (Amber) light complies with turtle friendly requirements in coastal areas
- Durable housing with 4.7" bending radius
- Cuttable every 3.94" with a maximum run of 16.4 feet
- Simple connections make install quick and easy
- Dimmable with most TRIAC, ELV, or CL dimmers
- Suitable for coves, frame, bars, rails, and other areas where a small profile or outline of light is needed
- cULus Listed for wet locations (IP65 rating void if product is cut)

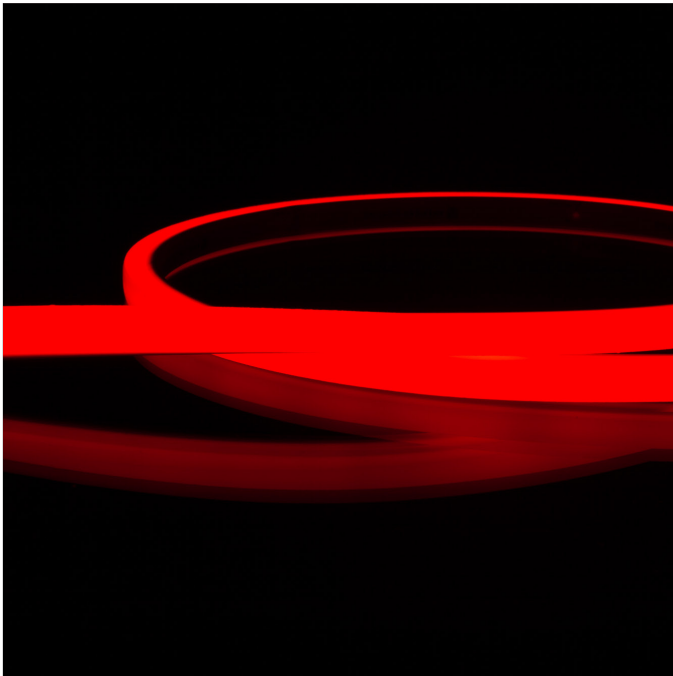


PROJECT:

TYPE:

LOCATION:

CATALOG NUMBER:



MICROLUX TURTLE LIGHT QUICK SPECS	
VOLTAGE	24V DC
WATTAGE	2.2W per foot
LUMENS	23.5lm per foot
COLOR	620NM (Amber)
MAX RUN	16.4ft (5m)
CUTTING POINTS	3.94" (100mm)
IP RATING	IP65 - Wet Location
DIMMING	5-100% TRIAC/ELV/CL
DIMENSIONS	0.37" (9.5mm) W x 0.31" (8mm) H
BEAM ANGLE	120°
OPERATING TEMP	20°C (-4°F) to 40°C (104°F)*
CERTIFICATIONS	cULus Listed - Wet Locations, RoHS Compliant
RATED LIFE	30,000 Hours

\*Do not install in inclement weather or extreme conditions (i.e. -25°C (-13°F) and below)

MICROLUX TURTLE LIGHT QUICK LOOK

Quick Connectors

IP65 Rating

0.37" (9.5mm) Wide

Cuttable every 3.94"

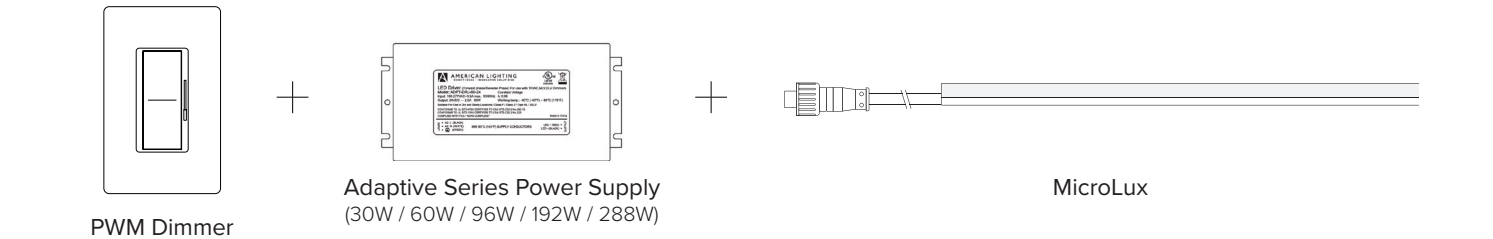
16.4' Max Run

IP65 (Encased)

Features a clear protective silicone jacketing that protects the tape light from sprayed water and dust.

Best suited: Indoor & Outdoor damp & wet locations

### MICROLUX TURTLE LIGHT QUICK SET-UP



## MICROLUX TURTLE LIGHT ORDERING INFORMATION

ITEM NUMBER	VOLTAGE	COLOR	LENGTH	LUMENS / FT	WATTAGE / FT	IP RATING	CUTTING	MAX RUN
<b>MLUX-620NM</b>	24V DC	620NM	16.4ft	23.5Lm/ft	2.2W/ft	IP65	3.94" (100mm)	16.4ft

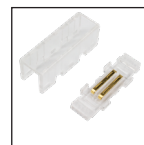
Includes: Attached 6 inch female connector, 3ft Lead Wire and 15 Mounting Clips

## MICROLUX TURTLE LIGHT ACCESSORIES

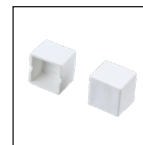
ITEM NUMBER	DESCRIPTION
<b>MLUX-CONKIT2</b>	Single Color Power Feed (IP54)
<b>MLUX-JUMP2-5</b>	6" Linking Cable (Single Color)
<b>MLUX-JUMP2-2</b>	24" Linking Cable (Single Color)
<b>MLUX-SPL2</b>	In-line Splice
<b>MLUX-END</b>	End Cap (QTY 10)
<b>MLUX-CLIPS</b>	Mounting Clips (QTY 10)
<b>MLUX-CHAN-3A</b>	1M Deep Mounting Channel
<b>MLUX-CHAN-3B</b>	1M Shallow Mounting Channel
<b>RCWY-PVC-1M</b>	1m Plastic Wire Cover Raceway



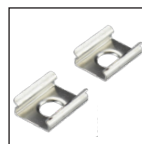
MLUX-CONKIT2

MLUX-JUMP2-5  
MLUX-JUMP2-2

MLUX-SPL2



MLUX-END



MLUX-CLIPS



MLUX-CHAN-3A

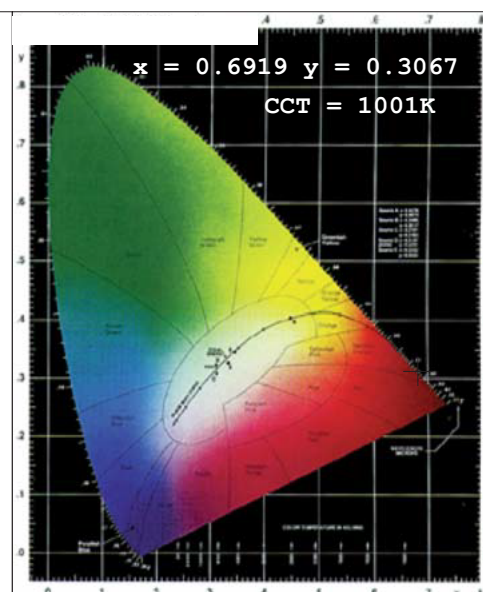
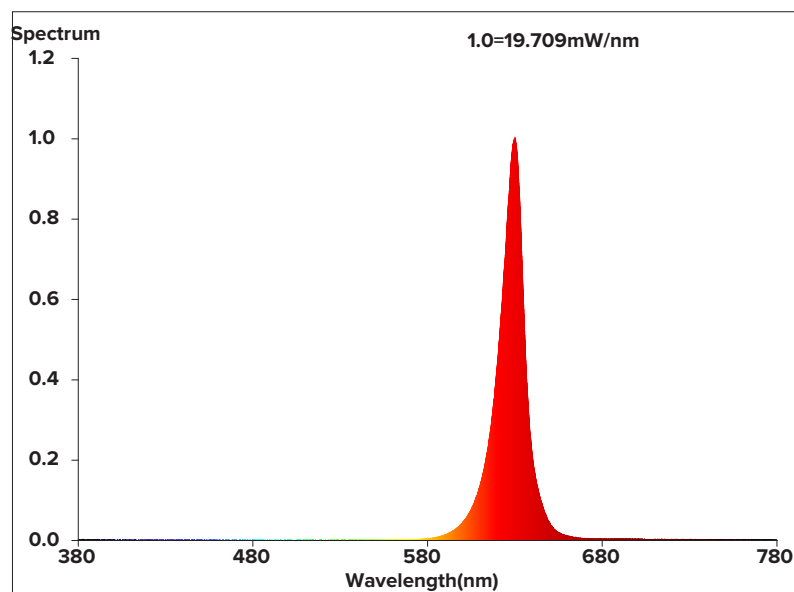


MLUX-CHAN-3B



RCWY-PVC-1M

## MICROLUX TURTLE LIGHT SPECTRUM TEST REPORT

Note: Dominant Wavelength:  $\lambda_d = 620.9\text{nm}$ . Peak WL:  $\lambda_p = 630.2\text{nm}$ 

## RECOMMENDED POWER SUPPLIES

ITEM NUMBER	DESCRIPTION	MAX / MIN LOAD	INPUT VOLTAGE	OUTPUT VOLTAGE	DIMMABLE	DIMENSIONS
<b>PZM-ADPT-DRJ-30-24</b>	Adaptive Series 30W	30W / 3W	100-277V AC	24V DC	Yes*	6.49"L x 3.6"W x 1.02"H
<b>PZM-ADPT-DRJ-60-24</b>	Adaptive Series 60W	60W / 6W	100-277V AC	24V DC	Yes*	7.4"L x 3.6"W x 1.02"H
<b>PZM-ADPT-DRJ-96-24</b>	Adaptive Series 96W	96W / 9.6W	100-277V AC	24V DC	Yes*	8.66"L x 3.6"W x 1.61"H
<b>PZM-ADPT-DRJ-192-24</b>	Adaptive Series 192W (2 x 96W)	192W / 19.2W	100-277V AC	24V DC	Yes*	10.94"L x 4.25"W x 1.8"H
<b>PZM-ADPT-DRJ-288-24</b>	Adaptive Series 288W (3 x 96W)	288W / 28.8W	100-277V AC	24V DC	Yes*	11.85"L x 4.25"W x 1.8"H

\*Phase Dimming Compatible With Most MLV, ELV, and TRIAC Dimmers\*



# AMERICAN LIGHTING WARRANTY

## LIMITED WARRANTY FOR LED PRODUCTS: 3 YEARS

### LIMITED PRODUCT WARRANTY

Our products are warranted to be free from defects in material and workmanship for the warranty period listed. Warranty periods begin from the date of shipment from American Lighting Inc's warehouse to the original purchaser. Products that prove to be defective during their specific warranty period will be either repaired or replaced, at the sole discretion of American Lighting Inc. Claims for defective products must be submitted in writing to American Lighting Inc's RGA Department within the warranty period. Upon approval of such return, American Lighting Inc reserves the right to inspect the product for misuse or abuse. Claims for indirect or consequential damages or for product that, in American Lighting Inc's opinion, has been misused will be denied. This is a warranty of product reliability only and not a warranty of merchantability or fitness for a particular purpose. American Lighting Inc shall have no liability whatsoever in any event for payment of incidental or consequential damages, including, without limitations, installation costs and/or damages for personal injury and/or property. These products may represent a possible shock or fire hazard if improperly installed or altered in any way. This warranty does not apply to any product that has not been properly installed in accordance with current local codes and/or the National Electrical Code. Products that require a transformer, driver, or power supply must be used in conjunction with American Lighting Inc's recommended power supply to ensure safety and retain product warranty.

### PRODUCT SPECIFICATIONS

For the latest product information, updates, instructions and details concerning specifications, colors, finishes, performance, installation and design, visit [www.americanlighting.com](http://www.americanlighting.com).

Color may vary from the color printed herein due to limitations in photographic and printing processes. American Lighting Inc. reserves the right to change product specifications without notice. Other product specifications such as color temperature, wavelength characteristics and lumen output are subject to production limitations and may vary.

LED technology is changing rapidly, and not all color temperatures and performance levels can be duplicated at a later time. Best practices include purchasing 10-15% more for a particular project on the same initial order where white LED color temperatures must be maintained over project and product life. Eventual product replacement should be considered at layout and design stages. Best practices also include testing connections and product performance prior to mounting and/or installing.

### AVERAGE LIFE

Average incandescent lamp life, rated life and average life are terms used to describe the number of hours at which half of the lamps have failed. For LEDs, the hours of rated life specify the point where 70% of original lumen output is reached. Below this point, the effective life is over, however, the LED may still emit light. Individual results may vary with actual environmental conditions including, but not limited to, proper installation, ambient temperature and/or input voltage fluctuations.