

# NUTP1-LED/12

## 24V 12" Standard LED Tape Light Section

Source: 1.5W LEDs

### PRODUCT DESCRIPTION

LED Tape Light is a perfect solution for your LED linear lighting needs. This energy efficient and very low profile LED Tape is great for use in cove lighting, architectural enhancements, under cabinet or many more discreet locations. This flexible LED light source is a durable silicone encapsulated tape, cULus Listed for Wet Location applications and IP65 rated. Available in a roll, kit, or sections. Each roll or kit comes with (16) 12" sections linked together.

### FEATURES

- Available in 16' kit, 16' roll, 12" section, and 4" section
- 70 lumens per foot with 3000K CCT
- Separable every 12", easily disconnected and connected without soldering
- Field cuttable every 4" or 6 LEDs
- Easy to install; pre-applied 3M™ tape or 15 acrylic mounting clips (included with roll/kit)
- 6 available colors: Blue, Green, Red, Yellow, Cool White (4200K), Warm White (3000K)
- cULus Listed for Wet Location and IP65 rated
- Exceeds Title 24 high efficacy requirements
- No soldering or additional wiring is required
- No flicker delay or warm up like compact fluorescent products
- No UV light or infrared wavelengths
- Three Year Limited Warranty

### Included with every section:

(1) 24V 12" Tape Light Section and (2) Shrink Wrap Tubes [NATL-400].

### CONSTRUCTION

The silicone encapsulated tape can be cut every 6 LEDs at marked intervals. Cutting does not effect circuit (shrink wrap tube included for concealment). LED Tape Light is also separable every 12", each connection has pre-installed shrink wrap around power connections to ensure wet location listing. Simply slice the clear shrink wrap at each electrical connection, and separate pieces. This eliminates soldering when using partial rolls.

### MOUNTING

Each Tape Light section comes with pre-applied 3M™ adhesive tape for simple installation. An optional aluminum channel or clear acrylic clips are available. Do not install closer than 9.8' (3 meters) from a swimming pool surface.

### ELECTRICAL

**Voltage:** 24V DC

**Power Consumption:** 1.5 Watts

**Lumens:** Up to 70 Lumens

**Light Source:** 18 LEDs

**Operating Temperature:** -13°F to 140°F (-25°C to 60°C)

**Life Expectancy:** 50,000 Hours

**Maximum Run Length:** 64' (w/ 96W Driver)

### Labels and Warranty

cULus Listed for Wet Location<sup>1</sup> (not submersible)

IP65 Rated

Title 24 Compliant

California Energy Commission

Three Year Warranty



<sup>1</sup> To maintain wet location when connecting 2 sections; add clear shrink wrap over mating pieces and shrink wrap per instructions.

## 24V 12" Standard LED Tape Light Section

- NUTP1-LED30/12: 12" 24V LED Tape Light Section, 3000K
- NUTP1-LED42/12: 12" 24V LED Tape Light Section, 4200K
- NUTP1-LEDB/12: 12" 24V LED Tape Light Section, Blue
- NUTP1-LEDG/12: 12" 24V LED Tape Light Section, Green
- NUTP1-LEDR/12: 12" 24V LED Tape Light Section, Red
- NUTP1-LEDY/12: 12" 24V LED Tape Light Section, Yellow (Amber)

# NORALIGHTING.

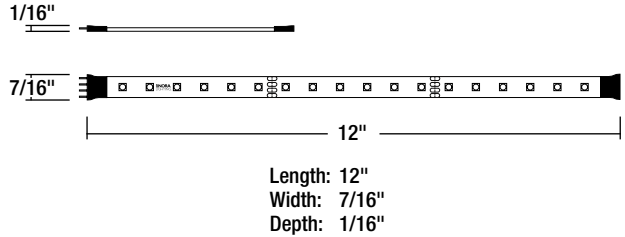
Type \_\_\_\_\_

Project \_\_\_\_\_

Catalog No. \_\_\_\_\_

Lamp/Wattage \_\_\_\_\_

### DIMENSIONS



### ACCESSORIES

| Item Number | Description                                   |
|-------------|---|
| NATL-202    | 2" Interconnection Cable                      |
| NATL-206    | 6" Interconnection Cable                      |
| NATL-218    | 18" Interconnection Cable                     |
| NATL-236    | 36" Interconnection Cable                     |
| NATL-272    | 72" Interconnection Cable                     |
| NATL-300    | "Y" Splitter Cable                            |
| NATL-301    | "X" Splitter Cable                            |
| NATL-400    | Shrink Wrap Tube (Pack of 5)                  |
| NATL-401    | Clear Acrylic Mounting Clips (Pack of 15)     |
| NATL-403    | End Cap                                       |
| NATL-420B   | 4' Plastic Channel, Black                     |
| NATL-420W   | 4' Plastic Channel, White                     |
| NATL-509    | 9" 24V Power Line Interconnector              |
| NATL-511    | 11" 24V Power Line Interconnector with Switch |

### LED DRIVERS

#### HARDWIRE DRIVERS

| Item Number    | Description   |
|----------------|---|
| NATL-530HW     | 24V 30W Class II Hardwired Electronic LED Driver                            |
| NATL-560HW     | 24V 60W Class II Hardwired Electronic LED Driver                            |
| NATL-5100HW    | 24V 100W Class II Hardwired Electronic LED Driver                           |
| NMT-48/24C2D1  | 120V/24V 48W Dimmable Class II Remote Hardwire Magnetic Driver w/ Regulator |
| NMT-48/24C2D2  | 277V/24V 48W Dimmable Class II Remote Hardwire Magnetic Driver w/ Regulator |
| NMT-96/24C2D1  | 120V/24V 96W Dimmable Class II Remote Hardwire Magnetic Driver w/ Regulator |
| NMT-96/24C2D2  | 277V/24V 96W Dimmable Class II Remote Hardwire Magnetic Driver w/ Regulator |
| NMT-303/24C2D1 | 120V/24V 300W Dimmable Class II Remote Hardwire Magnetic Driver w/Regulator |
| NMT-303/24C2D2 | 277V/24V 300W Dimmable Class II Remote Hardwire Magnetic Driver w/Regulator |

#### PLUG-IN DRIVERS

|          |  |
|----------|--|
| NATL-524 | 24V 24W Direct Plug-In LED Driver              |
| NATL-545 | 24V 45W Direct Plug-In LED Driver              |
| NATL-596 | 24V 96W Class II Plug-In Electronic LED Driver |

#### DRIVER ACCESSORIES

|              |   |
|--------------|---|
| NALTL-10     | Replacement 10' Power Line Connector for NMT Series & NATL-5100HW |
| NALTL-30     | Replacement 30' Power Line Connector for NMT Series & NATL-5100HW |
| NATL-415     | Low Voltage Splice Box  |
| NRA-125/6    | 6' Extension Cord for NATL-530HW & NATL-560HW                     |
| NRA-125/12   | 12' Extension Cord for NATL-530HW & NATL-560HW                    |
| NRA-125/18   | 18' Extension Cord for NATL-530HW & NATL-560HW                    |
| NRA-125/72   | 72' Extension Cord for NATL-530HW & NATL-560HW                    |
| NRA-6035W/6  | 6' Cord and Plug for NATL-530HW & NATL-560HW                      |
| NRA-6035W/10 | 10' Cord and Plug for NATL-530HW & NATL-560HW                     |
| NUSP-JBox    | Junction Box required for hardwiring NATL-530HW & NATL-560HW      |

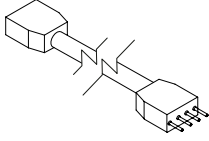
# NORALIGHTING.

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# Standard LED Tape Light Optional Accessories

## Interconnection Cable

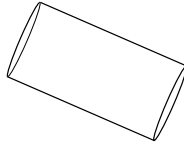
The interconnection cables allow for linking of any tape lights in any direction or extension of power line interconnectors. The arrow on the interconnection cable must always be facing upward to maintain polarity. Interconnection cables may be joined together for custom lengths.



- NATL-202:** 2" Interconnection Cable
- NATL-206:** 6" Interconnection Cable
- NATL-218:** 18" Interconnection Cable
- NATL-236:** 36" Interconnection Cable
- NATL-272:** 72" Interconnection Cable

## Shrink Wrap Tube (Pack of 5)

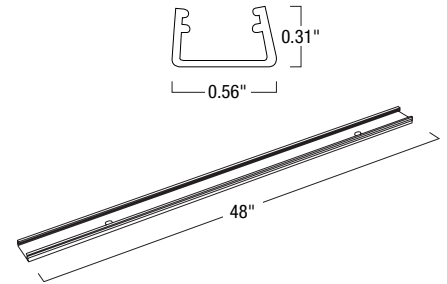
Used to seal connections made in the field. Necessary to maintain ETL Wet Listing. Pack of 2 are included with every Tape Light section.



**NATL-400:** Shrink Wrap Tube (Pack of 5)

## Plastic Channel

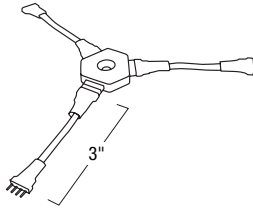
Used to mount tape light to various surfaces. Tape Light snaps into the channel. Field Cuttable. Recommended for most installations.



- NATL-420B:** 4' Plastic Channel, Black
- NATL-420W:** 4' Plastic Channel, White

## "Y" Splitter Cable

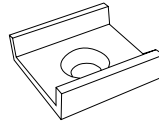
Splits connection from one tape light or driver into two separate tape lights.



**NATL-300:** "Y" Splitter Cable

## Clear Acrylic Mounting Clips (Pack of 15)

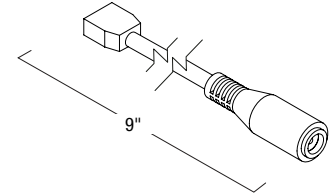
Used to mount tape light to surface, includes mounting screws.



**NATL-401:** Clear Acrylic Mounting Clips (Pack of 15)

## Power Line Interconnector

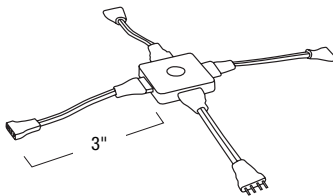
To connect a Tape Light run directly to LED Driver.



**NATL-509:** 9" 24V Power Line Interconnector

## "X" Splitter Cable

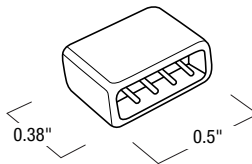
Splits connection from one tape light or driver into three separate tape lights.



**NATL-301:** "X" Splitter Cable

## End Cap

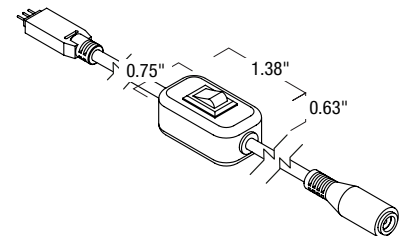
Used to cover open end of Tape Light.



**NATL-403:** End Cap

## Power Line Interconnector with Switch

Allows for individual switching on any Tape Light run. Connects a Tape Light run directly to LED Driver.

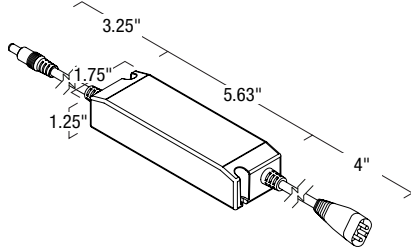


**NATL-511:** 11" Power Line Interconnector w/Switch

# 24V Standard LED Tape Light Drivers

## 30W 24V Class II Hardwire Electronic LED Driver

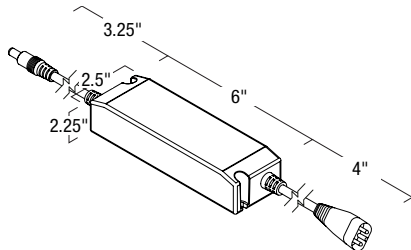
Allows hardwiring Tape Light run by using NUSP-JBox. Can also be converted into direct plug-in driver by using NRA-6035. Requires power line interconnection cable. Non-Dimmable.



**NATL-530HW:** 24V 30W Class II Hardwire Driver

## 60W 24V Class II Hardwire Electronic LED Driver

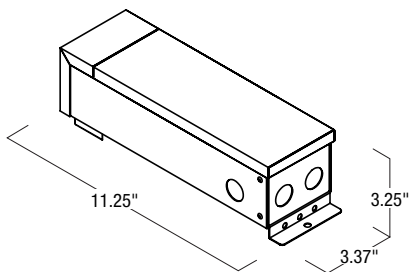
Allows hardwiring Tape Light run by using NUSP-JBox. Can also be converted into direct plug-in driver by using NRA-6035. Requires power line interconnection cable. Non-Dimmable.



**NATL-560HW:** 24V 60W Class II Hardwire Driver

## 100W 24V Class II Hardwire Electronic LED Driver

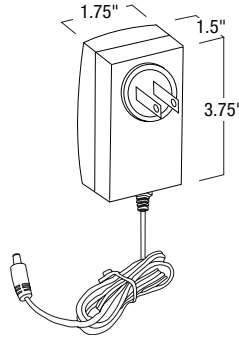
Allows hardwiring Tape Light run. Includes 10' power line connector (NALTL-10). Requires power line interconnection cable. Non-Dimmable.



**NATL-5100HW:** 24V 100W C2 Hardwire Driver

## 24V Direct Plug-In LED Drivers

Allows direct connection a wall outlet with 6' cord and plug. Requires power line interconnection cable. Non-Dimmable.

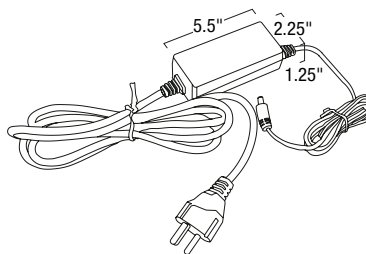


**NATL-524:** 24V 24W Direct Plug-In LED Driver

**NATL-545:** 24V 45W Direct Plug-In LED Driver

## 96W 24V Direct Plug-In LED Driver

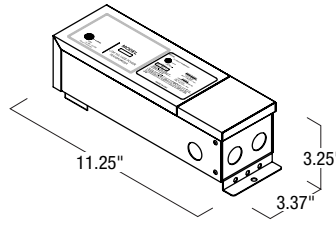
Allows direct connection a wall outlet with 5' cord and plug and 44" power line connector. Requires power line interconnection cable. Non-Dimmable.



**NATL-596:** 24V 96W Class II Dimmable Driver

## 24V Class II Dimmable Hardwire LED Driver

Allows hardwiring Tape Light run and dimming with Magnetic Low Voltage Dimmer. Includes 10' power line connector (NALTL-10). Requires power line interconnection cable. Manual reset thermal circuit - secondary side. Integral regulator for constant current and voltage. Can be mounted 30' from start of run.



**NMT-48/24C2D1:** 120V/24V 48W C2 Dimm. Driver

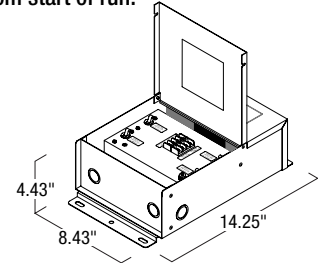
**NMT-48/24C2D2:** 277V/24V 48W C2 Dimm. Driver

**NMT-96/24C2D1:** 120V/24V 96W C2 Dimm. Driver

**NMT-96/24C2D2:** 277V/24V 96W C2 Dimm. Driver

## 300W 24V Class II Dimmable Hardwire LED Driver

Includes three 100W breakers, which allows hardwiring three Tape Light runs and dimming with Magnetic Low Voltage Dimmer. Includes (3) 10' power line connector (NALTL-10). Requires power line interconnection cable. Manual reset thermal circuit - secondary side. Integral regulator for constant current and voltage. Can be mounted 30' from start of run.



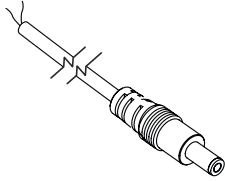
**NMT-303/24C2D1:** 120V/24V 300W C2 Dimm. Driver

**NMT-303/24C2D2:** 277V/24V 300W C2 Dimm. Driver

## 24V Standard LED Tape Light Drivers Accessories

### Replacement Power Line Connector

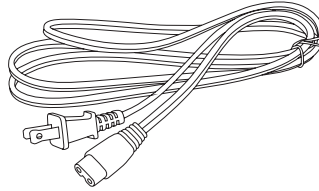
For use with NMT Series and NATL-5100HW. Replaces included 10' lead wire, to allow for 30' or less length between Tape Light run and LED Driver.



**NALTL-10:** 10' 24V Power Line Connector  
**NALTL-30:** 30' 24V Power Line Connector

### Cord and Plug for NATL-530HW or NATL-560HW

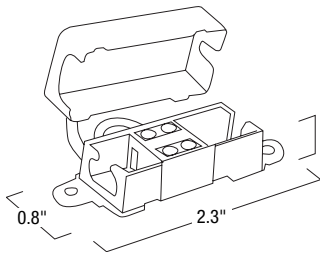
Used to convert NATL-530HW or NATL-560HW into a direct plug-in driver.



**NRA-6035W/6:** 6' Cord and Plug  
**NRA-6035W/10:** 10' Cord and Plug

### Low Voltage Splice Box

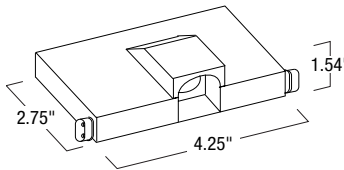
Use to join Romex® low voltage lead to power line connector.



**NATL-415:** Low Voltage Splice Box

### Junction Box for Hardwiring

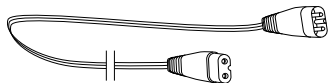
Required for hardwiring NATL-530HW or NATL-560HW. Can be used to feed to separate runs. Accepts Romex®.



**NUSP-JBox:** Junction Box for Hardwiring

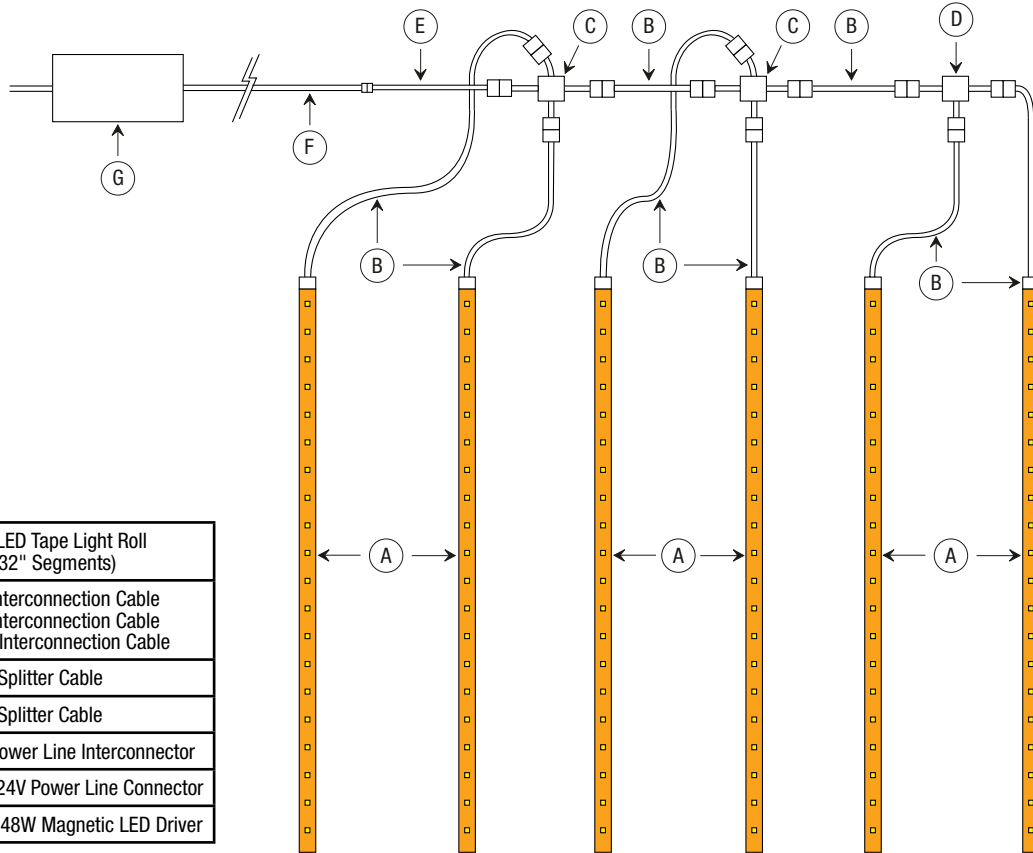
### Extension Cord for NATL-530HW or NATL-560HW

Used to extend length between NUSP-JBox and NATL-530HW or NATL-560HW. Can be joined together to create custom lengths.

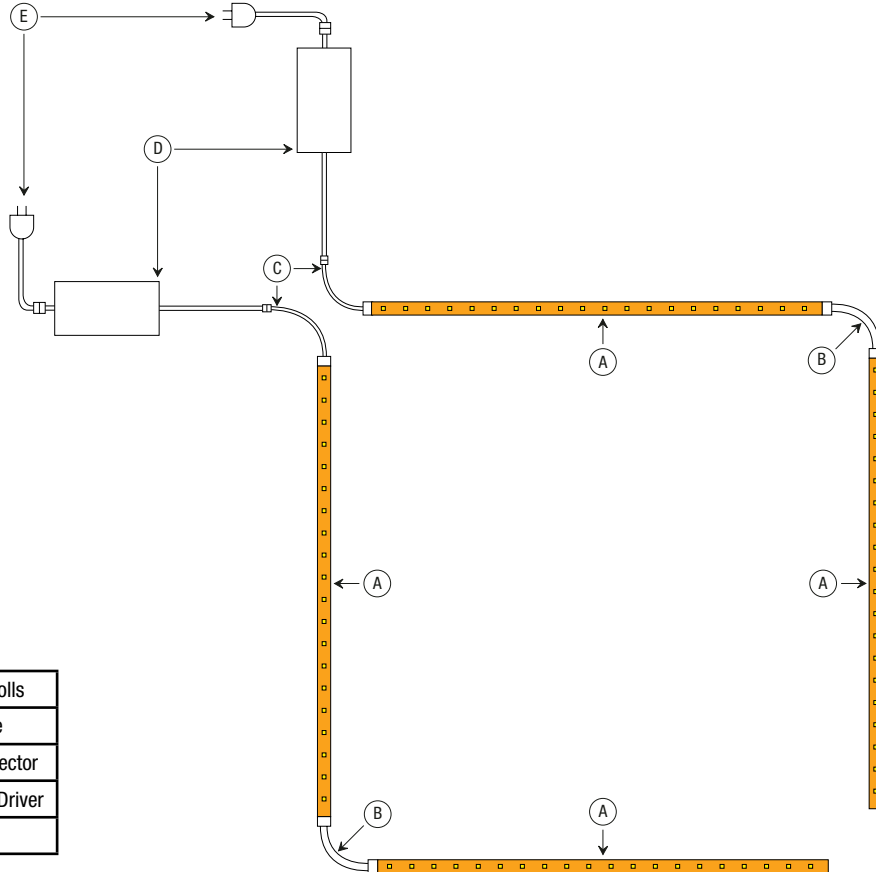


**NRA-125/6:** 6" Flexible Extension Cord  
**NRA-125/12:** 12" Flexible Extension Cord  
**NRA-125/18:** 18" Flexible Extension Cord  
**NRA-125/72:** 72" Flexible Extension Cord

# Suggested Layouts



|    |                                  |   |
|----|----------------------------------|---|
| A. | NUTP1-16LED                      | 16' LED Tape Light Roll<br>(6 - 32" Segments)                                     |
| B. | NATL-202<br>NATL-206<br>NATL-218 | 2" Interconnection Cable<br>6" Interconnection Cable<br>18" Interconnection Cable |
| C. | NATL-301                         | "X" Splitter Cable  |
| D. | NATL-300                         | "Y" Splitter Cable  |
| E. | NATL-509                         | 9" Power Line Interconnector  |
| F. | NALTL-30                         | 30' 24V Power Line Connector  |
| G. | NMT-48/24C2D1                    | 24V 48W Magnetic LED Driver   |



|    |             |                              |
|----|-------------|------------------------------|
| A. | NUTP1-16LED | (4) 16' LED Tape Light Rolls |
| B. | NATL-206    | 6" Interconnection Cable     |
| C. | NATL-509    | 9" Power Line Interconnector |
| D. | NATL-560HW  | 24V 60W Hardwire LED Driver  |
| E. | NRA-6035W/6 | Flexible 6' Power Cord       |