

NUTP3-LEDRGB/6

24V 6" RGB LED Tape Light Section

Source: 1.25W LEDs

PRODUCT DESCRIPTION

RGB LED Tape Light has the colors Red, Green, and Blue in every LED diode. Several colors of visual spectrum can be selected and programmed with a 120° viewing angle. A stationary color, automatic changing colors and brightness can be selected and changed at anytime with the press of a button. This flexible LED light source is a durable silicone encapsulated tape, cETLus Listed for Wet Location applications and IP65 rated.

FEATURES

- Available in 16' roll, 12" section, or 6" section
- 120° Beam Angle
- Separable every 12", easily disconnected and connected without soldering
- Field cuttable every 6" or 6 LEDs
- Easy to install; pre-applied 3M™ tape or 15 acrylic mounting clips (included with roll)
- Primary Colors: Red, Green, and Blue
- ETL Listed for Wet Location and IP65 rated
- 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 6" 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: 1.25 Watts

Light Source: 6 LEDs

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

Life Expectancy: 50,000 Hours

Maximum Run Length: 40' (w/ 100W Driver)

CONTROLLER

Each run requires a controller, which can be linked together for color synchronization. The controller can be controlled locally or with an optional hand held remote.

Labels and Warranty

cETLus Listed for Wet Location¹ (not submersible)

IP65 Rated

Title 24 Compliant

California Energy Commission

Three Year Warranty



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

24V 6" RGB Color Changing LED Tape Light Section

NUTP3-LEDRGB/4: 6" 24V RGB Color Changing LED Tape Light Section

NORALIGHTING.

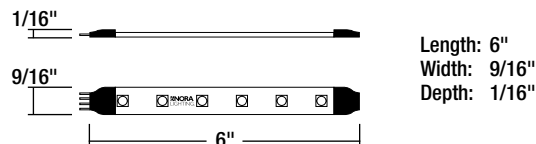
Type

Project

Catalog No.

Lamp/Wattage

DIMENSIONS



RGB CONTROLLER & ACCESSORIES

Item Number	Description
NARGB-760	24V RGB Controller
NARGB-761	Hand Held Remote
NARGB-762	Replacement 10' 24V Controller Power Connector for NARGB-760
NARGB-763	Replacement 30' 24V Controller Power Connector for NARGB-760

ACCESSORIES

Item Number	Description
NARGB-702	2" Interconnection Cable
NARGB-706	6" Interconnection Cable
NARGB-718	18" Interconnection Cable
NARGB-736	36" Interconnection Cable
NARGB-772	72" Interconnection Cable
NARGB-700	"Y" Splitter Cable
NARGB-701	"X" Splitter Cable
NATL-400	Shrink Wrap Tube (Pack of 5)
NATHR-685	Clear Acrylic Mounting Clips (Pack of 15)
NATL-403	End Cap
NATHR-680	4' Aluminum Channel
NARGB-710	12" Power Line Interconnector

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

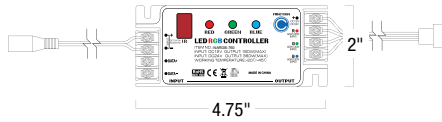
NORALIGHTING.

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RGB Controller and Accessories

24V RGB Controller

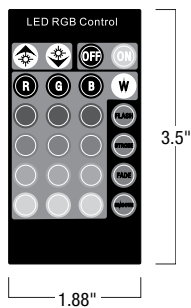
24V RGB Controller is needed for each tape light run. RGB Controllers can be synchronized to change simultaneously. Capable of creating several colors or automated changing of visual spectrum. Can be controlled locally or with Hand Held remote (NARGB-761).



NARGB-760: 24V RGB Controller

Hand Held Remote

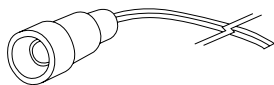
For remote control of RGB Controller up to 22' away (must be in direct view of controller). Used to program RGB Tape Light run to certain color configurations.



NARGB-761: Hand Held Remote

Replacement RGB Controller Power Connector

For use with NARGB-760. Replaces included 9-1/2" input wire, to allow for 30' or less length between RGB Controller and LED Driver.



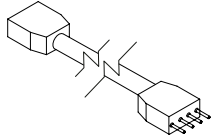
NARGB-762: 10' 24V RGB Controller Power Connector

NARGB-763: 30' 24V RGB Controller Power Connector

RGB 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.



NARGB-702: 2" Interconnection Cable

NARGB-706: 6" Interconnection Cable

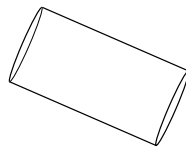
NARGB-718: 18" Interconnection Cable

NARGB-736: 36" Interconnection Cable

NARGB-772: 72" Interconnection Cable

Shrink Wrap Tube (Pack of 5)

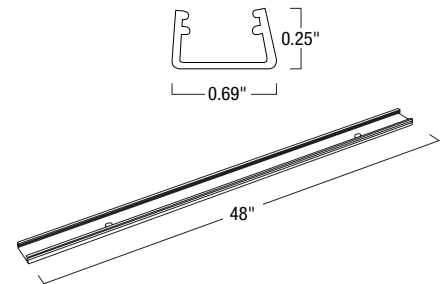
Used to seal connections made in the field. Necessary to maintain ETL Wet Listing. Pack of 2 are included with every Tape Light section.



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

Plastic Channel

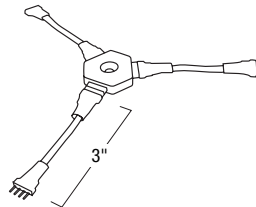
Used to mount tape light to various surfaces. Tape Light snaps into the channel. Field Cuttable. Recommended for most installations.



NATHR-680: 4' Aluminum Channel

"Y" Splitter Cable

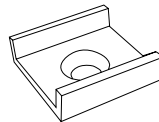
Splits connection from one tape light or driver into two separate tape lights.



NARGB-700: "Y" Splitter Cable

Clear Acrylic Mounting Clips (Pack of 15)

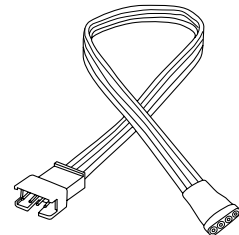
Used to mount tape light to surface, includes mounting screws.



NATHR-685: Clear Acrylic Mounting Clips (Pack of 15)

Power Line Interconnector

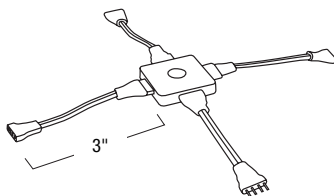
To connect a Tape Light run directly to LED Driver.



NARGB-710: 12" Power Line Interconnector

"X" Splitter Cable

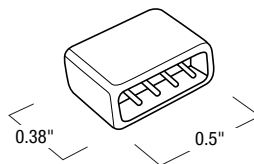
Splits connection from one tape light or driver into three separate tape lights.



NARGB-701: "X" Splitter Cable

End Cap

Used to cover open end of Tape Light.

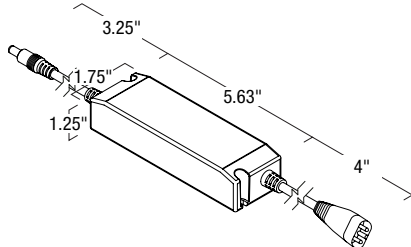


NATL-403: End Cap

24V RGB LED Tape Light Drivers

30W 24V Class II Hardwire Electronic LED Driver

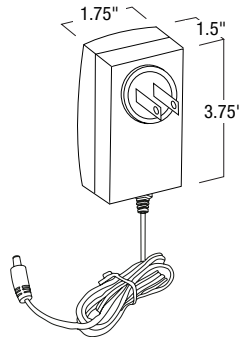
Allows hardwiring Tape Light run by using NUSP-JBox. Can also be converted into direct plug-in driver by using NRA-6035. Requires power line interconnection cable. Non-Dimmable.



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

24V Direct Plug-In LED Drivers

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

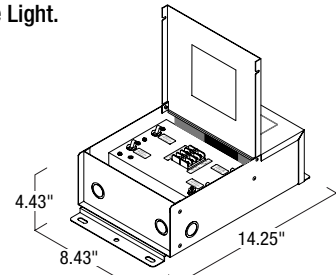


NATL-524: 24V 24W Direct Plug-In LED Driver

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

300W 24V Class II Dimmable Hardwire LED Driver

Includes three 100W breakers, which allows hardwiring three Tape Light runs and 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. Cannot be used to dim RGB Tape Light.

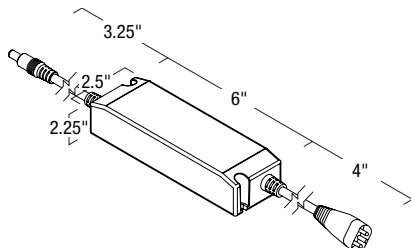


NMT-303/24C2D1: 120V/24V 300W Class II Driver

NMT-303/24C2D2: 277V/24V 300W Class II Driver

60W 24V Class II Hardwire Electronic LED Driver

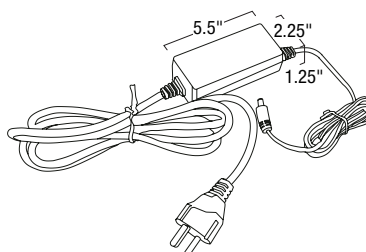
Allows hardwiring Tape Light run by using NUSP-JBox. Can also be converted into direct plug-in driver by using NRA-6035. Requires power line interconnection cable. Non-Dimmable.



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

96W 24V Direct Plug-In LED Driver

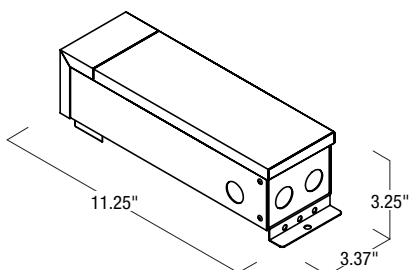
Allows direct connection a wall outlet with 5' cord and plug and 44" power line connector. Requires power line interconnection cable. Non-Dimmable.



NATL-596: 24V 96W Class II Hardwire Driver

100W 24V Class II Hardwire Electronic LED Driver

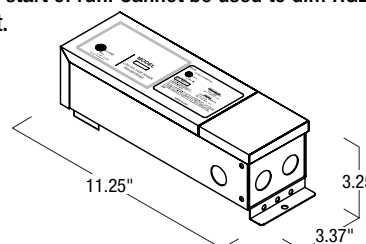
Allows hardwiring Tape Light run. Includes 10' power line connector (NALTL-10). Requires power line interconnection cable. Non-Dimmable.



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

24V Class II Hardwire LED Driver

Allows hardwiring Tape Light run and 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. Cannot be used to dim RGB Tape Light.



NMT-48/24C2D1: 120V/24V 48W C2 Hardwire Driver

NMT-48/24C2D2: 277V/24V 48W C2 Hardwire Driver

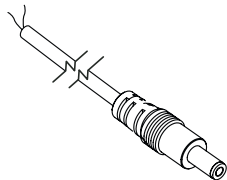
NMT-96/24C2D1: 120V/24V 96W C2 Hardwire Driver

NMT-96/24C2D2: 277V/24V 96W C2 Hardwire Driver

24V RGB 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.

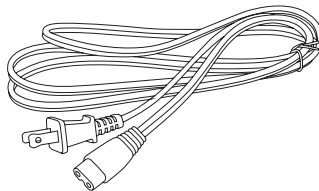


NALTL-10: 10' 24V Power Line Connector

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.

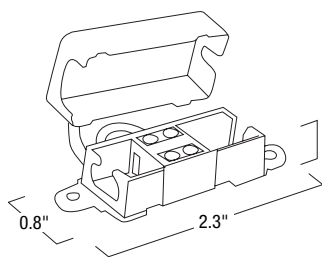


NRA-6035W/6: 6' Cord and Plug

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

Low Voltage Splice Box

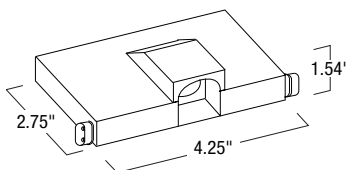
Use to join Romex® low voltage lead to power line connector.



NATL-415: Low Voltage Splice Box

Junction Box for Hardwiring

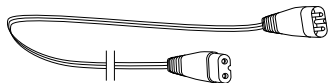
Required for hardwiring NATL-530HW or NATL-560HW. Can be used to feed to separate runs. Accepts Romex®.



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.



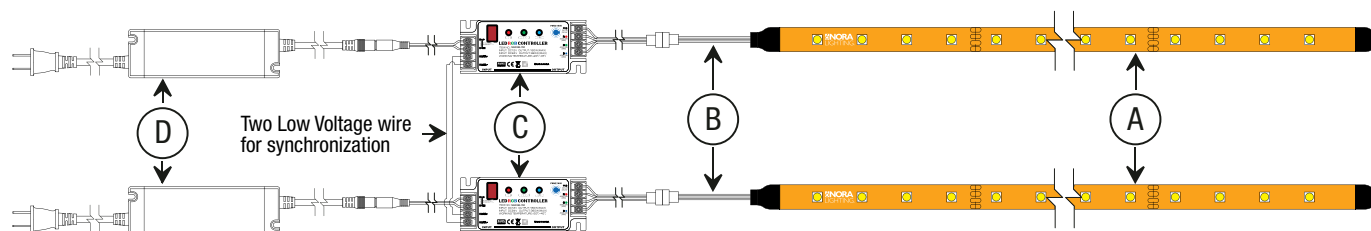
NRA-125/6: 6" Flexible Extension Cord

NRA-125/12: 12" Flexible Extension Cord

NRA-125/18: 18" Flexible Extension Cord

NRA-125/72: 72" Flexible Extension Cord

Suggested Layouts



A.	NUTP3-16LEDRGB	(2) 16' LED Tape Light Roll
B.	NARGB-710	(2) 12" Power Line Interconnector
C.	NARGB-760	(2) 24V RGB Controller
D.	NATL-596	(2) 24V 96W Class II LED Driver

A.	NUTP3-16LEDRGB	(2) 16' LED Tape Light Roll
D.	NAHO-602 NAHO-606 NAHO-618	2" Interconnection Cable 6" Interconnection Cable 18" Interconnection Cable
C.	NARGB-710	12" Power Line Interconnector
D.	NARGB-760	24V RGB Controller
E.	NATL-596	24V 96W Class II LED Driver

