

# LED STRIPS, EL WIRE, & LED LAMPS

Flexible LED Strips | EL Wire | LED Lamps | Accessories



Interior Lighting | Ceilings | Shelves | Cabinets | Showcases  
Motor Homes | RVs | Boats | Aviation | Architectural

# FLEXIBLE LED STRIPS

- Available in Non-Waterproof, Water Resistant (IP65), and Waterproof (IP68) Versions
- Red, Amber, Blue, Green, White, Warm White, Pink, Purple, RGB\* and RGB+White\*
- 16.4 FT. (5 Meter) Reels (Many Types Available in 100 FT. Spools and 20 Inch Lengths)
- Backed with 3M Adhesive Tape \*\*  
— simply peel and stick
- Low Power Consumption
- Wide 120° Viewing Angle
- Dimmable
- 12 VDC (24 VDC Available on Special Order)
- RoHS Compliant
- Easy Installation
- 2-Year Warranty
- Long Life — 50,000 Hours Minimum
- Pre-Packaged Starter Kits: Contain everything you need to plug in and illuminate your project. All kits contain LED strip, power supply, and associated connectors. (Remote control included with RGB and RGB+White Kits)



For more information: [nteinc.com/led01.pdf](http://nteinc.com/led01.pdf)  
[nteinc.com/led02.pdf](http://nteinc.com/led02.pdf)

## AVAILABLE IN:

- Standard Output – 300 (3528 SMD) LEDs per Reel
- High Output – 600 (3528 SMD) LEDs per Reel
- Standard Output – 150 (5050 SMD) LEDs per Reel
- High Output – 300 (5050 SMD) LEDs per Reel

## ACCESSORIES:

- Power Supplies
- Dimmers
- Remote Control
- L Connectors
- T Connectors
- And more!

\* 5050 SMD only

\*\* Non-Waterproof and Water Resistant only

## 3528 FLEXIBLE LED STRIPS

For more information: [nteinc.com/led01.pdf](http://nteinc.com/led01.pdf)

Non-Waterproof		Epoxy Water Resistant		Silicon Tube and Epoxy Waterproof		LED Color	Luminous Intensity	WL (nm) & CCT (K)
300 / Reel	600 / Reel	300 / Reel	600 / Reel	300 / Reel	600 / Reel			
69-36R	69-312R	69-36R-WR	69-312R-WR	69-36R-WP	69-312R-WP	Red	400mcd	620 – 630nm
69-36A	69-312A	69-36A-WR	69-312A-WR	69-36A-WP	69-312A-WP	Amber	400mcd	585 – 595nm
69-36B	69-312B	69-36B-WR	69-312B-WR	69-36B-WP	69-312B-WP	Blue	300mcd	455 – 470nm
69-36G	69-312G	69-36G-WR	69-312G-WR	69-36G-WP	69-312G-WP	Green	800mcd	510 – 525nm
69-36W	69-312W	69-36W-WR	69-312W-WR	69-36W-WP	69-312W-WP	White	4lm	6000 – 7000K
69-36WW	69-312WW	69-36WW-WR	69-312WW-WR	69-36WW-WP	69-312WW-WP	Warm White	4lm	3000 – 3500K
69-36PI	69-312PI	69-36PI-WR	69-312PI-WR	69-36PI-WP	69-312PI-WP	Pink	450mcd	452.5 – 455nm
69-36PU	69-312PU	69-36PU-WR	69-312PU-WR	69-36PU-WP	69-312PU-WP	Purple	450mcd	385 – 400nm

## 5050 FLEXIBLE LED STRIPS

For more information: [nteinc.com/led02.pdf](http://nteinc.com/led02.pdf)

Non-Waterproof		Epoxy Water Resistant		Silicon Tube and Epoxy Waterproof		LED Color	Luminous Intensity	WL (nm) & CCT (K)
150 / Reel	300 / Reel	150 / Reel	300 / Reel	150 / Reel	300 / Reel			
69-53R	69-56R	69-53R-WR	69-56R-WR	69-53R-WP	69-56R-WP	Red	1000mcd	620 – 630nm
69-53A	69-56A	69-53A-WR	69-56A-WR	69-53A-WP	69-56A-WP	Amber	1000mcd	585 – 595nm
69-53B	69-56B	69-53B-WR	69-56B-WR	69-53B-WP	69-56B-WP	Blue	800mcd	455 – 470nm
69-53G	69-56G	69-53G-WR	69-56G-WR	69-53G-WP	69-56G-WP	Green	2000mcd	510 – 525nm
69-53W	69-56W	69-53W-WR	69-56W-WR	69-53W-WP	69-56W-WP	White	15lm	6000 – 7000K
69-53WW	69-56WW	69-53WW-WR	69-56WW-WR	69-53WW-WP	69-56WW-WP	Warm White	15lm	3000 – 3500K
69-53RGB	69-56RGB	69-53RGB-WR	69-56RGB-WR	69-53RGB-WP	69-56RGB-WP	Red/Green/Blue	800mcd	N/A
<b>NEW</b>	69-56RGBW		69-56RGBW-WR			Red/Green/Blue/White	20-22lm	6000K
<b>NEW</b>	69-56RGBWW		69-56RGBWW-WR			Red/Green/Blue/Warm White	18-20lm	3000K
69-53PI	69-56PI	69-53PI-WR	69-56PI-WR	69-53PI-WP	69-56PI-WP	Pink	675mcd	452.5 – 455nm
69-53PU	69-56PU	69-53PU-WR	69-56PU-WR	69-53PU-WP	69-56PU-WP	Purple	675mcd	385 – 400nm














## PRE-PACKAGED FLEXIBLE LED STRIP KITS

















For more information: [nteinc.com/ledkit.php](http://nteinc.com/ledkit.php)

Color	Part No.	Waterproof*	Description	Power Supply	Remote Control	Connectors
Red	69-36R-KIT 69-36R-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Amber	69-36A-KIT 69-36A-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Blue	69-36B-KIT 69-36B-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Green	69-36G-KIT 69-36G-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
White	69-36W-KIT 69-36W-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Warm White	69-36WW-KIT 69-36WW-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Pink	69-36PI-KIT 69-36PI-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Purple	69-36PU-KIT 69-36PU-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Red/Green/Blue	69-53RGB-KIT 69-53RGB-WRKIT	IP20 IP65	Contains (1) 16.4ft. 150 (5050) LEDs 12V 36W Strip	69-D36	69-RTC1	69-A1/A4/A7
Red/Green/Blue	69-56RGB-KIT 69-56RGB-WRKIT	IP20 IP65	Contains (1) 16.4ft. 300 (5050) LEDs 12V 72W Strip	69-D72	69-RTC1	69-A1/A4/A7
<b>NEW</b>	Red/Green/Blue/White 69-56RGBWK 69-56RGBW-WRK	IP20 IP65	Contains (1) 16.4ft. 300 (5050) LEDs 12V 72W Strip	69-D72	69-RTC10	69-A1/A30/A31
<b>NEW</b>	Red/Green/Blue/Warm White 69-56RGBWWK 69-56RGBWW-WRK	IP20 IP65	Contains (1) 16.4ft. 300 (5050) LEDs 12V 72W Strip	69-D72	69-RTC10	69-A1/A30/A31

\* IP20 is non-waterproof, IP65 is water-resistant

# FLEXIBLE LED STRIP ACCESSORIES

	NTType No.	Description
<b>Power Supplies and Dimmers</b>		
	69-D24	Power Supply, 12V, 2A, 24W, 2.1mm x 5.5mm plug
	69-D36	Power Supply, 12V, 3A, 36W, 2.1mm x 5.5mm plug
	69-D48	Power Supply, 12V, 4A, 48W, 2.1mm x 5.5mm plug
	69-D72	Power Supply, 12V, 6A, 72W, 2.1mm x 5.5mm plug
	69-DIM1	LED Dimmer, RF, Remote Controlled, 12V, 8A, 96W for Single Color LED Strips Contains 1 remote and 1 dimmer.
	69-DIM2	LED Dimmer, Knob Operated Control, 12V, 8A, 96W for Single Color LED Strips
<b>Remote Controls</b>		
	69-RTC1	Remote Control and Receiver for Red/Green/Blue flexible LED strips. Soft touch, solid, gradual, hopping modes, color ring. Contains 1 remote and 1 receiver.
	69-RTC10	Remote Control and Receiver for Red/Green/Blue+White flexible LED strips. Features 15 different modes. Contains 1 remote and 1 receiver.
<b>Connectors</b>		
	69-A1	Female DC Connector, 5.5mm x 2.1mm for power supplies and remote receiver
	69-A1P	Male DC Plug, 5.5mm x 2.1mm with 5.75 inch wire leads
	69-A2	3528 & 2835 Size LED Connector with 5.75 inch lead Add to cut strips
	69-A3	5050 Size LED Solid Color Connector with 5.75 inch leads Add to cut strips
	69-A4	5050 Size LED Red/Green/Blue Connector with 5.75 inch leads Add to cut strips
	69-A5	3528 & 2835 Size LED Solid Color Connector For joining strips
	69-A6	5050 Size LED Solid Color Connector For joining strips

	NTType No.	Description
<b>Connectors (cont.)</b>		
	69-A7	5050 Size LED Red/Green/Blue Connector For joining strips
	69-A8	Waterproof 3528 and 5050 Size LED Solid Color Connector
	69-A9	Waterproof DC Connectors (Male and Female) for power supplies and remote receiver
	69-A10	Waterproof 5050 Size LED Red/Green/Blue Connector
	69-A11	L Connector for 3528 & 2835 Size Flexible LED Strips
	69-A12	L Connector for 5050 Size Solid Color Flexible LED Strips
	69-A13	L Connector for 5050 Size Red/Green/Blue Flexible LED Strips
	69-A14	T Connector for 3528 & 2835 Size Flexible LED Strips
	69-A15	T Connector for 5050 Size Solid Color Flexible LED Strips
	69-A16	T Connector for 5050 Size Red/Green/Blue Flexible LED Strips
	69-A17	Female DC Connector, 5.5mm x 2.1mm, with 2 ft. long lead wires for power supplies and remote receiver
	69-A18	Female DC Connector, 5.5mm x 2.1mm, with 5 ft. long lead wires for power supplies and remote receiver
	69-A19	Female DC Connector, 5.5mm x 2.1mm, with 10 ft. long lead wires for power supplies and remote receiver
	69-A30	5050 Size LED Red/Green/Blue+White Connector - For joining strips
	69-A31	5050 Size LED Red/Green/Blue+White Connector with 6 inch leads - Add to cut strips
	69-A32	5050 Size LED Red/Green/Blue+White Connector with 5.75 inch leads - For jumping cut strips

For more information: [nteinc.com/led03.pdf](http://nteinc.com/led03.pdf)

# EL WIRE

Flexible Neon Wire, also called Electroluminescent (EL) Wire, is the new generation product in the global lighting and display industry. Unlike flexible LED strips, EL wire is not a series of points, but rather a 360 degree line of unbroken light. Wrapped by a colorful plastic tube on its surface, it appears similar to common telephone wire, emitting light along its entire length but without any heat radiation. With a much lower power consumption, energy saving, and environmental protection, it opens a new era in the lighting and display field.

## FEATURES INCLUDE:

- Operates on AC voltages unlike LED Strips, which operate on DC voltages
- Operating voltage: 90 – 120VAC
- Available in 2.3mm and 3.2mm diameters
- Standard 9.84 Ft. (3 Meter) length with pre-wired connector
- Extremely flexible, can be bent, knotted, cut, stretched, etc. without compromising the lighting effect
- Can be mounted to almost any decoration surface using transparent adhesive tape, glue, clips, thread and needle, etc.
- Environmentally friendly and energy saving, uses 50 – 70% less energy than LED lamps, 20 – 40% less than rope lighting, and 1 – 10% less than neon lighting



## APPLICATIONS INCLUDE:

- Indoor and Outdoor Advertisements
- Shop Windows, Doors, Furniture, Walls, Roofs, etc.
- Cars, Boats, and other Vehicle Ornamentation
- Indoor and Outdoor Decorations
- Guidance Lighting such as Safety Signs and Stairways
- Doorplates and Temporary Markings
- Toys, Arts & Crafts, Garments, Sporting Equipment, etc.

## ORDERING INFORMATION

NTE Type No.		Lighted Color
2.3mm Diameter	3.2mm Diameter	
69-ELW2.3-RD	69-ELW3.2-RD	Red
69-ELW2.3-BL	69-ELW3.2-BL	Blue
69-ELW2.3-TB	69-ELW3.2-TB	Transparent Blue
69-ELW2.3-GR	69-ELW3.2-GR	Green
69-ELW2.3-TW	69-ELW3.2-TW	Transparent White
69-ELW2.3-YG	69-ELW3.2-YG	Yellow Green
69-ELW2.3-OR	69-ELW3.2-OR	Orange

For more information: [nteinc.com/el01.pdf](http://nteinc.com/el01.pdf)

## SPECIFICATIONS

**Optimum Operating Voltage: 90 – 120VAC**

**Optimum Operating Frequency: 1500 – 2000Hz**

**Power Dissipation: 200mW**








**Luminous Intensity: 80 – 100cm/m<sup>2</sup>  
(90 – 100V, 1.8 – 2000Hz)**

**Working Conditions: -20 to +55 C (-4 to +131 F) / < 45%**

**Working Life: 3,000 – 5,000 Hrs. (Half Life)**



# EL WIRE ACCESSORIES

NTE Type No.	Description
<b>Power Supplies</b>	
	69-ELBP-1 EL Wire Battery Power Supply – Drives 0–5M (0–16.4Ft.) Max Length, On/Flash/Off Modes, Uses 4 AA Batteries
	69-ELDP-1 EL Wire 12VDC Power Supply with Cigarette Lighter Adapter – Drives 0–3M (0–9.84Ft.) Max Length, Constant Light
	69-ELDP-2 EL Wire 12VDC Power Supply with Cigarette Lighter Adapter – Drives 0–5M (0–16.4Ft.) Max Length, On/Sound Control/Off Modes
	69-ELDP-3 EL Wire 12VDC Power Supply with Cigarette Lighter Adapter – Drives 0–5M (0–16.4Ft.) Max Length, Constant Light
	69-ELD10 EL Wire AC Power Supply, Drives 0–10M (0–32.81Ft.) Max Length, On/Flash/Off Modes, 110–250VAC
	69-ELD30 EL Wire AC Power Supply, Drives 10–30M (32.81–98.43Ft.) Max Length, On/Flash/Off Modes, 110–250VAC
<b>Splitters</b>	
	69-ELS2 EL Wire Splitter – 2 Wire
	69-ELS3 EL Wire Splitter – 3 Wire
	69-ELS4 EL Wire Splitter – 4 Wire
<b>End Caps</b>	
	69-ELEC2.3 EL Wire End Caps for 2.3mm Types
	69-ELEC3.2 EL Wire End Caps for 3.2mm Types

For more information: [nteinc.com/el02.pdf](http://nteinc.com/el02.pdf)

# LED LAMPS

Used for both general and special-purpose lighting

- Square Interior - 12/24 VDC
- Round Interior - 12/24 VDC
- Rotating Swivel - 12/24 VDC
- Waterproof Light Bar - 12 VDC

## FEATURES INCLUDE:

- More efficient, requires less energy
- Long life expectancy
- No warm up time – comes on instantly
- Environmentally friendly (no mercury)
- Durable
- Easy to maintain
- Cost Effective

## APPLICATIONS INCLUDE:

- Automotive use
- Backlight sources for electronics
- Display screens for advertising
- Electronic equipment
- General lighting



## ORDERING INFORMATION

NTE Type No.	Description
69-LL-01	LED Light Bar - 11 Inch Length, 12 VDC, 10 White LEDs, Gray Aluminum Housing, Waterproof
69-LL-02	Rotating, Swivel, 12/24 VDC, 4 White LEDs, White Housing, Clear Lens with Rocker Switch
69-LL-03	Rotating, Swivel, 12/24 VDC, 4 White LEDs, Silver Housing, Frosted Lens
69-LL-04	Rotating, Swivel, 12/24 VDC, 4 White LEDs, Ivory Housing, Frosted Lens with Rocker Switch
69-LL-05	Round Interior, 12/24 VDC, 14 White LEDs, White Housing with Built-In Switch
69-LL-06	Square Interior, 12/24 VDC, 14 White LEDs, White Housing with Built-In Switch

## SPECIFICATIONS

### LED Interior

Rating: 12 / 24VDC

LED Type: SMD 0.5W

Operating Temperature: -20 to +60 C

Beam Pattern: 120

Top Cover: ABS White

Base: PC White

For more information:  
nteinc.com/II03.pdf

### LED Rotating Swivel

Rating: 12 / 24VDC, 25mA / 10mA  
(69-LL-02)

Rating: 12 / 24VDC, 2W at 13.6V  
(69-LL-03, 69-LL-04)

LED Type: SMD, 0.3W (69-LL-02)

LED Type: SMD, 0.5W (69-LL-03, 69-LL-04)

Operating Temperature: -20 to +60 C

Base Color: Satin / White

For more information:  
nteinc.com/II02.pdf

### LED Light Bar

Rating: 12VDC

LED Type: SMD 0.5W

Operating Temperature: -20 to +60 C

Lamp Life Cycle: 6000 hours min

Base: Aluminum

Top and Side Cover: ABS, Gray

For more information:  
nteinc.com/II01.pdf

ALSO AVAILABLE FROM NTE

# OPTOELECTRONIC DEVICES

NTE has a broad selection of optoelectronic products designed to suit most every need. From standard discrete thru-hole LEDs and surface mount types to our newest addition, EL Wire.

Recently expanded upon is our selection of popular Super Bright LEDs in 1.8mm, 3mm, 5mm, 8mm and 10mm.

Our Extensive Product Line Includes:

## DISCRETE LED INDICATORS

- Light Emitting Diodes (LEDs)
- Super Bright LEDs
- Surface Mount LEDs
- Dual & Triple Color LEDs
- Infrared Emitting Diodes

## LED DISPLAYS

- LED Displays, Many Sizes, Common Anode, Common Cathode

## HARDWARE & ACCESSORIES

- LED Mounting Clips

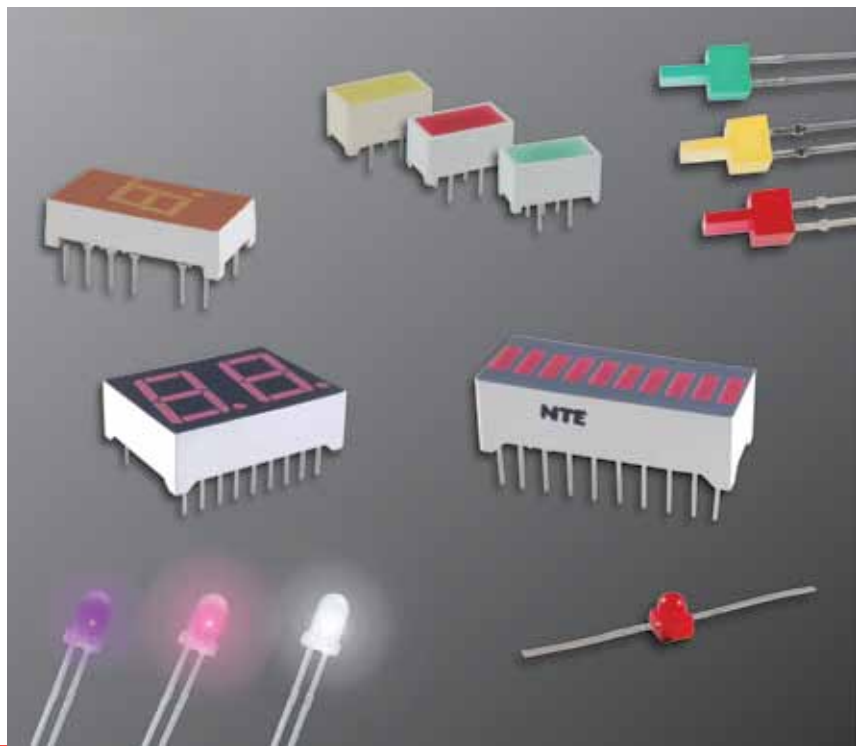
## OPTOISOLATORS

- Phototransistor Outputs
- Photothyristor Outputs
- Schmitt Trigger Outputs
- Photon Coupled Bilateral Analog FET Outputs
- TTL Compatible Photon Coupled Logic Gate Outputs

For more information, visit [nteinc.com/opto.php](http://nteinc.com/opto.php)

## MISCELLANEOUS OPTO DEVICES

- Infrared Detector Diodes
- Phototransistor Detectors
- NTE7208 LED Driver



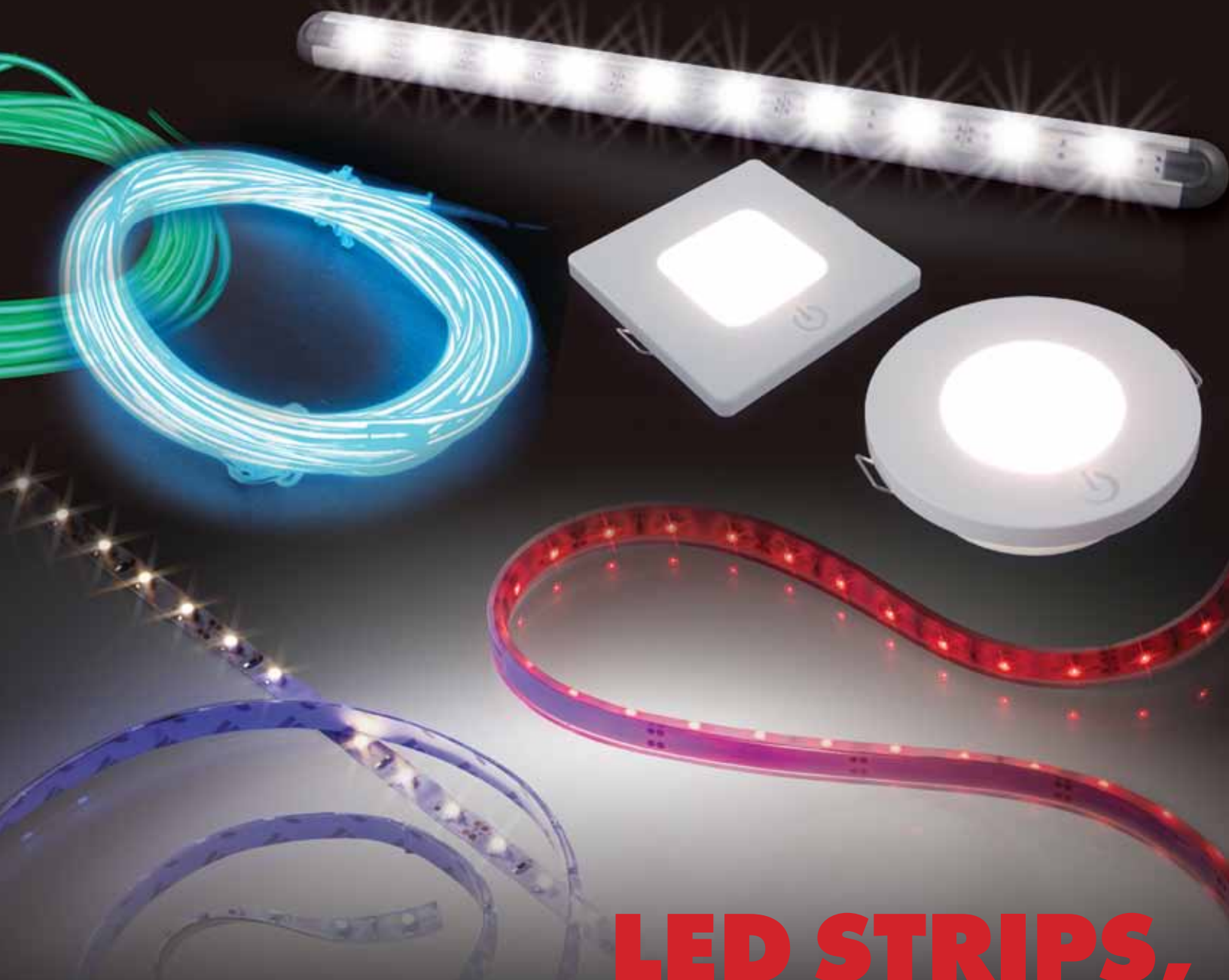
**NTE**<sup>®</sup>  
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- Red, Amber, Blue, Green, White, Warm White, Pink, Purple, RGB\* and RGB+White\*
- 16.4 FT. (5 Meter) Reels (Many Types Available in 100 FT. Spools and 20 Inch Lengths)
- Backed with 3M Adhesive Tape \*\*  
— simply peel and stick
- Low Power Consumption
- Wide 120° Viewing Angle
- Dimmable
- 12 VDC (24 VDC Available on Special Order)
- RoHS Compliant
- Easy Installation
- 2-Year Warranty
- Long Life — 50,000 Hours Minimum
- Pre-Packaged Starter Kits: Contain everything you need to plug in and illuminate your project. All kits contain LED strip, power supply, and associated connectors. (Remote control included with RGB and RGB+White Kits)



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- Standard Output – 150 (5050 SMD) LEDs per Reel
- High Output – 300 (5050 SMD) LEDs per Reel

## ACCESSORIES:

- Power Supplies
- Dimmers
- Remote Control
- L Connectors
- T Connectors
- And more!

\* 5050 SMD only

\*\* Non-Waterproof and Water Resistant only

## 3528 FLEXIBLE LED STRIPS

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Non-Waterproof		Epoxy Water Resistant		Silicon Tube and Epoxy Waterproof		LED Color	Luminous Intensity	WL (nm) & CCT (K)
300 / Reel	600 / Reel	300 / Reel	600 / Reel	300 / Reel	600 / Reel			
69-36R	69-312R	69-36R-WR	69-312R-WR	69-36R-WP	69-312R-WP	Red	400mcd	620 – 630nm
69-36A	69-312A	69-36A-WR	69-312A-WR	69-36A-WP	69-312A-WP	Amber	400mcd	585 – 595nm
69-36B	69-312B	69-36B-WR	69-312B-WR	69-36B-WP	69-312B-WP	Blue	300mcd	455 – 470nm
69-36G	69-312G	69-36G-WR	69-312G-WR	69-36G-WP	69-312G-WP	Green	800mcd	510 – 525nm
69-36W	69-312W	69-36W-WR	69-312W-WR	69-36W-WP	69-312W-WP	White	4lm	6000 – 7000K
69-36WW	69-312WW	69-36WW-WR	69-312WW-WR	69-36WW-WP	69-312WW-WP	Warm White	4lm	3000 – 3500K
69-36PI	69-312PI	69-36PI-WR	69-312PI-WR	69-36PI-WP	69-312PI-WP	Pink	450mcd	452.5 – 455nm
69-36PU	69-312PU	69-36PU-WR	69-312PU-WR	69-36PU-WP	69-312PU-WP	Purple	450mcd	385 – 400nm

## 5050 FLEXIBLE LED STRIPS

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Non-Waterproof		Epoxy Water Resistant		Silicon Tube and Epoxy Waterproof		LED Color	Luminous Intensity	WL (nm) & CCT (K)
150 / Reel	300 / Reel	150 / Reel	300 / Reel	150 / Reel	300 / Reel			
69-53R	69-56R	69-53R-WR	69-56R-WR	69-53R-WP	69-56R-WP	Red	1000mcd	620 – 630nm
69-53A	69-56A	69-53A-WR	69-56A-WR	69-53A-WP	69-56A-WP	Amber	1000mcd	585 – 595nm
69-53B	69-56B	69-53B-WR	69-56B-WR	69-53B-WP	69-56B-WP	Blue	800mcd	455 – 470nm
69-53G	69-56G	69-53G-WR	69-56G-WR	69-53G-WP	69-56G-WP	Green	2000mcd	510 – 525nm
69-53W	69-56W	69-53W-WR	69-56W-WR	69-53W-WP	69-56W-WP	White	15lm	6000 – 7000K
69-53WW	69-56WW	69-53WW-WR	69-56WW-WR	69-53WW-WP	69-56WW-WP	Warm White	15lm	3000 – 3500K
69-53RGB	69-56RGB	69-53RGB-WR	69-56RGB-WR	69-53RGB-WP	69-56RGB-WP	Red/Green/Blue	800mcd	N/A
<b>NEW</b>	69-56RGBW		69-56RGBW-WR			Red/Green/Blue/White	20-22lm	6000K
<b>NEW</b>	69-56RGBWW		69-56RGBWW-WR			Red/Green/Blue/Warm White	18-20lm	3000K
69-53PI	69-56PI	69-53PI-WR	69-56PI-WR	69-53PI-WP	69-56PI-WP	Pink	675mcd	452.5 – 455nm
69-53PU	69-56PU	69-53PU-WR	69-56PU-WR	69-53PU-WP	69-56PU-WP	Purple	675mcd	385 – 400nm










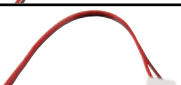
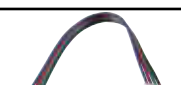


## PRE-PACKAGED FLEXIBLE LED STRIP KITS

















For more information: [nteinc.com/ledkit.php](http://nteinc.com/ledkit.php)

Color	Part No.	Waterproof*	Description	Power Supply	Remote Control	Connectors
Red	69-36R-KIT 69-36R-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Amber	69-36A-KIT 69-36A-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Blue	69-36B-KIT 69-36B-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Green	69-36G-KIT 69-36G-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
White	69-36W-KIT 69-36W-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Warm White	69-36WW-KIT 69-36WW-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Pink	69-36PI-KIT 69-36PI-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Purple	69-36PU-KIT 69-36PU-WR-KIT	IP20 IP65	Contains (1) 16.4ft. 300 (3528) LEDs 12V 24W Strip	69-D24	N/A	69-A1/A2/A5
Red/Green/Blue	69-53RGB-KIT 69-53RGB-WRKIT	IP20 IP65	Contains (1) 16.4ft. 150 (5050) LEDs 12V 36W Strip	69-D36	69-RTC1	69-A1/A4/A7
Red/Green/Blue	69-56RGB-KIT 69-56RGB-WRKIT	IP20 IP65	Contains (1) 16.4ft. 300 (5050) LEDs 12V 72W Strip	69-D72	69-RTC1	69-A1/A4/A7
<b>NEW</b>	Red/Green/Blue/White 69-56RGBWK 69-56RGBW-WRK	IP20 IP65	Contains (1) 16.4ft. 300 (5050) LEDs 12V 72W Strip	69-D72	69-RTC10	69-A1/A30/A31
<b>NEW</b>	Red/Green/Blue/Warm White 69-56RGBWWK 69-56RGBWW-WRK	IP20 IP65	Contains (1) 16.4ft. 300 (5050) LEDs 12V 72W Strip	69-D72	69-RTC10	69-A1/A30/A31

\* IP20 is non-waterproof, IP65 is water-resistant

# FLEXIBLE LED STRIP ACCESSORIES

	NTType No.	Description
<b>Power Supplies and Dimmers</b>		
	69-D24	Power Supply, 12V, 2A, 24W, 2.1mm x 5.5mm plug
	69-D36	Power Supply, 12V, 3A, 36W, 2.1mm x 5.5mm plug
	69-D48	Power Supply, 12V, 4A, 48W, 2.1mm x 5.5mm plug
	69-D72	Power Supply, 12V, 6A, 72W, 2.1mm x 5.5mm plug
	69-DIM1	LED Dimmer, RF, Remote Controlled, 12V, 8A, 96W for Single Color LED Strips Contains 1 remote and 1 dimmer.
	69-DIM2	LED Dimmer, Knob Operated Control, 12V, 8A, 96W for Single Color LED Strips
<b>Remote Controls</b>		
	69-RTC1	Remote Control and Receiver for Red/Green/Blue flexible LED strips. Soft touch, solid, gradual, hopping modes, color ring. Contains 1 remote and 1 receiver.
	69-RTC10	Remote Control and Receiver for Red/Green/Blue+White flexible LED strips. Features 15 different modes. Contains 1 remote and 1 receiver.
<b>Connectors</b>		
	69-A1	Female DC Connector, 5.5mm x 2.1mm for power supplies and remote receiver
	69-A1P	Male DC Plug, 5.5mm x 2.1mm with 5.75 inch wire leads
	69-A2	3528 & 2835 Size LED Connector with 5.75 inch lead Add to cut strips
	69-A3	5050 Size LED Solid Color Connector with 5.75 inch leads Add to cut strips
	69-A4	5050 Size LED Red/Green/Blue Connector with 5.75 inch leads Add to cut strips
	69-A5	3528 & 2835 Size LED Solid Color Connector For joining strips
	69-A6	5050 Size LED Solid Color Connector For joining strips

	NTType No.	Description
<b>Connectors (cont.)</b>		
	69-A7	5050 Size LED Red/Green/Blue Connector For joining strips
	69-A8	Waterproof 3528 and 5050 Size LED Solid Color Connector
	69-A9	Waterproof DC Connectors (Male and Female) for power supplies and remote receiver
	69-A10	Waterproof 5050 Size LED Red/Green/Blue Connector
	69-A11	L Connector for 3528 & 2835 Size Flexible LED Strips
	69-A12	L Connector for 5050 Size Solid Color Flexible LED Strips
	69-A13	L Connector for 5050 Size Red/Green/Blue Flexible LED Strips
	69-A14	T Connector for 3528 & 2835 Size Flexible LED Strips
	69-A15	T Connector for 5050 Size Solid Color Flexible LED Strips
	69-A16	T Connector for 5050 Size Red/Green/Blue Flexible LED Strips
	69-A17	Female DC Connector, 5.5mm x 2.1mm, with 2 ft. long lead wires for power supplies and remote receiver
	69-A18	Female DC Connector, 5.5mm x 2.1mm, with 5 ft. long lead wires for power supplies and remote receiver
	69-A19	Female DC Connector, 5.5mm x 2.1mm, with 10 ft. long lead wires for power supplies and remote receiver
	69-A30	5050 Size LED Red/Green/Blue+White Connector - For joining strips
	69-A31	5050 Size LED Red/Green/Blue+White Connector with 6 inch leads - Add to cut strips
	69-A32	5050 Size LED Red/Green/Blue+White Connector with 5.75 inch leads - For jumping cut strips

For more information: [nteinc.com/led03.pdf](http://nteinc.com/led03.pdf)

# EL WIRE

Flexible Neon Wire, also called Electroluminescent (EL) Wire, is the new generation product in the global lighting and display industry. Unlike flexible LED strips, EL wire is not a series of points, but rather a 360 degree line of unbroken light. Wrapped by a colorful plastic tube on its surface, it appears similar to common telephone wire, emitting light along its entire length but without any heat radiation. With a much lower power consumption, energy saving, and environmental protection, it opens a new era in the lighting and display field.

## FEATURES INCLUDE:

- Operates on AC voltages unlike LED Strips, which operate on DC voltages
- Operating voltage: 90 – 120VAC
- Available in 2.3mm and 3.2mm diameters
- Standard 9.84 Ft. (3 Meter) length with pre-wired connector
- Extremely flexible, can be bent, knotted, cut, stretched, etc. without compromising the lighting effect
- Can be mounted to almost any decoration surface using transparent adhesive tape, glue, clips, thread and needle, etc.
- Environmentally friendly and energy saving, uses 50 – 70% less energy than LED lamps, 20 – 40% less than rope lighting, and 1 – 10% less than neon lighting



## APPLICATIONS INCLUDE:

- Indoor and Outdoor Advertisements
- Shop Windows, Doors, Furniture, Walls, Roofs, etc.
- Cars, Boats, and other Vehicle Ornamentation
- Indoor and Outdoor Decorations
- Guidance Lighting such as Safety Signs and Stairways
- Doorplates and Temporary Markings
- Toys, Arts & Crafts, Garments, Sporting Equipment, etc.

## ORDERING INFORMATION

NTE Type No.		Lighted Color
2.3mm Diameter	3.2mm Diameter	
69-ELW2.3-RD	69-ELW3.2-RD	Red
69-ELW2.3-BL	69-ELW3.2-BL	Blue
69-ELW2.3-TB	69-ELW3.2-TB	Transparent Blue
69-ELW2.3-GR	69-ELW3.2-GR	Green
69-ELW2.3-TW	69-ELW3.2-TW	Transparent White
69-ELW2.3-YG	69-ELW3.2-YG	Yellow Green
69-ELW2.3-OR	69-ELW3.2-OR	Orange

For more information: [nteinc.com/el01.pdf](http://nteinc.com/el01.pdf)

## SPECIFICATIONS

**Optimum Operating Voltage: 90 – 120VAC**

**Optimum Operating Frequency: 1500 – 2000Hz**

**Power Dissipation: 200mW**








**Luminous Intensity: 80 – 100cm/m<sup>2</sup>  
(90 – 100V, 1.8 – 2000Hz)**

**Working Conditions: -20 to +55 C (-4 to +131 F) / < 45%**

**Working Life: 3,000 – 5,000 Hrs. (Half Life)**



# EL WIRE ACCESSORIES

NTE Type No.	Description
<b>Power Supplies</b>	
	69-ELBP-1 EL Wire Battery Power Supply – Drives 0–5M (0–16.4Ft.) Max Length, On/Flash/Off Modes, Uses 4 AA Batteries
	69-ELDP-1 EL Wire 12VDC Power Supply with Cigarette Lighter Adapter – Drives 0–3M (0–9.84Ft.) Max Length, Constant Light
	69-ELDP-2 EL Wire 12VDC Power Supply with Cigarette Lighter Adapter – Drives 0–5M (0–16.4Ft.) Max Length, On/Sound Control/Off Modes
	69-ELDP-3 EL Wire 12VDC Power Supply with Cigarette Lighter Adapter – Drives 0–5M (0–16.4Ft.) Max Length, Constant Light
	69-ELD10 EL Wire AC Power Supply, Drives 0–10M (0–32.81Ft.) Max Length, On/Flash/Off Modes, 110–250VAC
	69-ELD30 EL Wire AC Power Supply, Drives 10–30M (32.81–98.43Ft.) Max Length, On/Flash/Off Modes, 110–250VAC
<b>Splitters</b>	
	69-ELS2 EL Wire Splitter – 2 Wire
	69-ELS3 EL Wire Splitter – 3 Wire
	69-ELS4 EL Wire Splitter – 4 Wire
<b>End Caps</b>	
	69-ELEC2.3 EL Wire End Caps for 2.3mm Types
	69-ELEC3.2 EL Wire End Caps for 3.2mm Types

For more information: [nteinc.com/el02.pdf](http://nteinc.com/el02.pdf)

# LED LAMPS

Used for both general and special-purpose lighting

- Square Interior - 12/24 VDC
- Round Interior - 12/24 VDC
- Rotating Swivel - 12/24 VDC
- Waterproof Light Bar - 12 VDC

## FEATURES INCLUDE:

- More efficient, requires less energy
- Long life expectancy
- No warm up time – comes on instantly
- Environmentally friendly (no mercury)
- Durable
- Easy to maintain
- Cost Effective

## APPLICATIONS INCLUDE:

- Automotive use
- Backlight sources for electronics
- Display screens for advertising
- Electronic equipment
- General lighting



## ORDERING INFORMATION

NTE Type No.	Description
69-LL-01	LED Light Bar - 11 Inch Length, 12 VDC, 10 White LEDs, Gray Aluminum Housing, Waterproof
69-LL-02	Rotating, Swivel, 12/24 VDC, 4 White LEDs, White Housing, Clear Lens with Rocker Switch
69-LL-03	Rotating, Swivel, 12/24 VDC, 4 White LEDs, Silver Housing, Frosted Lens
69-LL-04	Rotating, Swivel, 12/24 VDC, 4 White LEDs, Ivory Housing, Frosted Lens with Rocker Switch
69-LL-05	Round Interior, 12/24 VDC, 14 White LEDs, White Housing with Built-In Switch
69-LL-06	Square Interior, 12/24 VDC, 14 White LEDs, White Housing with Built-In Switch

## SPECIFICATIONS

### LED Interior

Rating: 12 / 24VDC

LED Type: SMD 0.5W

Operating Temperature: -20 to +60 C

Beam Pattern: 120

Top Cover: ABS White

Base: PC White

For more information:  
nteinc.com/II03.pdf

### LED Rotating Swivel

Rating: 12 / 24VDC, 25mA / 10mA  
(69-LL-02)

Rating: 12 / 24VDC, 2W at 13.6V  
(69-LL-03, 69-LL-04)

LED Type: SMD, 0.3W (69-LL-02)

LED Type: SMD, 0.5W (69-LL-03, 69-LL-04)

Operating Temperature: -20 to +60 C

Base Color: Satin / White

For more information:  
nteinc.com/II02.pdf

### LED Light Bar

Rating: 12VDC

LED Type: SMD 0.5W

Operating Temperature: -20 to +60 C

Lamp Life Cycle: 6000 hours min

Base: Aluminum

Top and Side Cover: ABS, Gray

For more information:  
nteinc.com/II01.pdf

ALSO AVAILABLE FROM NTE

# OPTOELECTRONIC DEVICES

NTE has a broad selection of optoelectronic products designed to suit most every need. From standard discrete thru-hole LEDs and surface mount types to our newest addition, EL Wire.

Recently expanded upon is our selection of popular Super Bright LEDs in 1.8mm, 3mm, 5mm, 8mm and 10mm.

Our Extensive Product Line Includes:

## DISCRETE LED INDICATORS

- Light Emitting Diodes (LEDs)
- Super Bright LEDs
- Surface Mount LEDs
- Dual & Triple Color LEDs
- Infrared Emitting Diodes

## LED DISPLAYS

- LED Displays, Many Sizes, Common Anode, Common Cathode

## HARDWARE & ACCESSORIES

- LED Mounting Clips

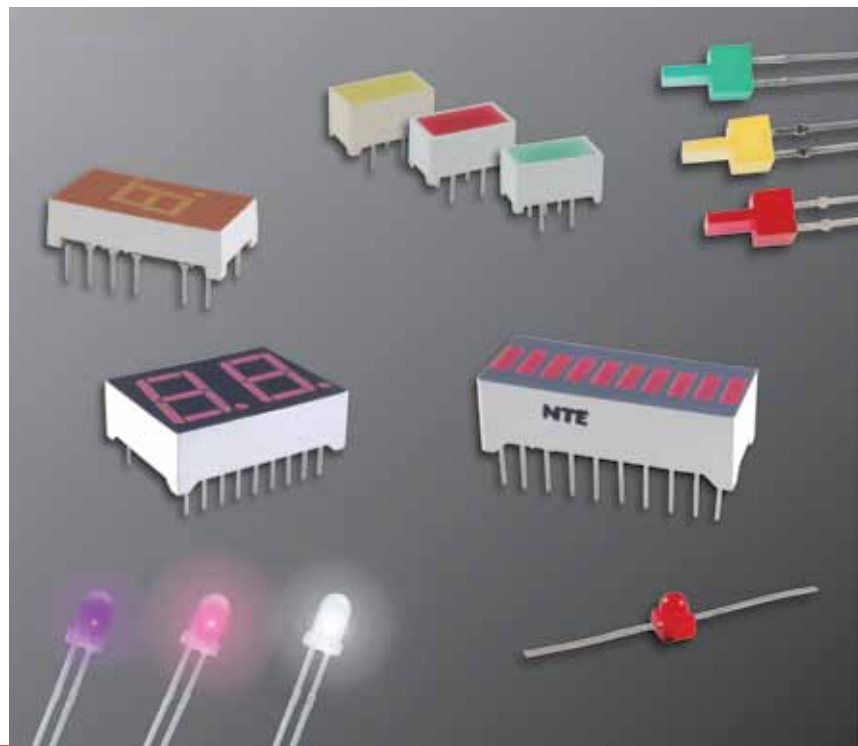
## OPTOISOLATORS

- Phototransistor Outputs
- Photothyristor Outputs
- Schmitt Trigger Outputs
- Photon Coupled Bilateral Analog FET Outputs
- TTL Compatible Photon Coupled Logic Gate Outputs

For more information, visit [nteinc.com/opto.php](http://nteinc.com/opto.php)

## MISCELLANEOUS OPTO DEVICES

- Infrared Detector Diodes
- Phototransistor Detectors
- NTE7208 LED Driver



**NTE**<sup>®</sup>  
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