

NOVA FLEX 60 SERIES - FLEXIBLE LED RIBBON LIGHTING

OVERVIEW

Nova Flex® 60 Series is our low wattage LED ribbon light that is perfect for accent lighting, cove lighting, and backlighting projects. With 60 LEDs per meter, you get a nicely spaced line of light that can run up to 30 feet before consuming as much power as a standard 40 watt bulb.

FEATURES

- High reliability
- Long life
- Dimming available
- Can be cut every third LED for 12V, every sixth LED for 24V
- Custom made to your specs

SPECIFICATIONS	12V	24V
Input Voltage	12V DC	24V DC
Maximum Continuous Run	32 ft	64 ft (49 ft continuous + small jumper + 15 ft)
Minimum Run.	3 LEDs	6 LEDs
CRI	85	
Lamp life	50,000 hours	
Viewing Angle	120°	
LEDs (per meter)	60/m	
Wattage	1.4 watts/ft.	
Operating Temp.	-15°F to 140°F	
Dimensions	7/16" wide, 1/8" tall	
Mounting Options	3M adhesive backing, Nova Flex Tracking	
Environment	Dry, Damp, Wet	
Certifications	UL Listed	
IP Rating	IP65	
Available Colors	Warm White 3225K & 2700K, Pure White 4100K & 6500K, Red, Blue, Green, Yellow	

APPLICATIONS

- Indoor / Outdoor
- Signage / Displays
- Accent / Backlighting
- Pathway / Stairway
- Kitchen / Bathroom
- Cove / Shelving
- Deck / Patio
- Unlimited Possibilities!

LUMENS/FT

Warm White	2700K	188 lm/ft
	3225K	192 lm/ft
Pure White	4100K	176 lm/ft
	6500K	190 lm/ft
Red		40 lm/ft
Blue		22 lm/ft
Green		72 lm/ft
Yellow		40 lm/ft



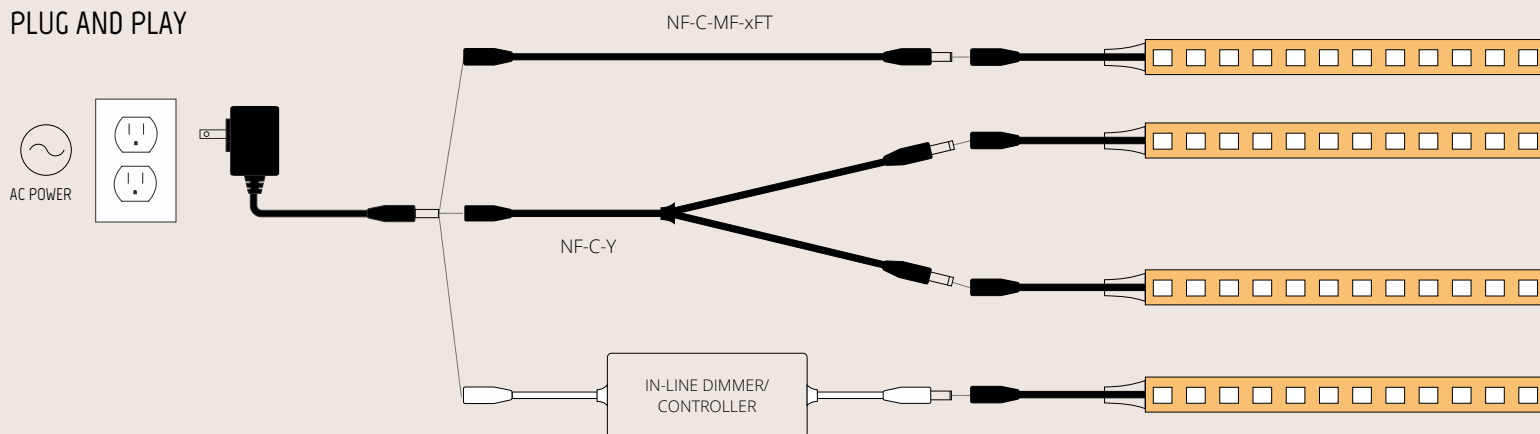
Dimensions: 7/16 Inch Wide 1/8 Inch Tall

NOVA FLEX WIRING DIAGRAMS

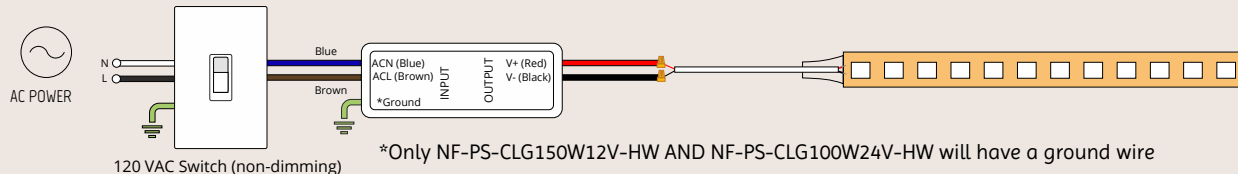
PLEASE READ BEFORE INSTALLING

- Pre-light the product to make sure your selected color is correct for your application
- Dry-fit the lights to the desired location **BEFORE** removing the 3M double sided tape.
- For slippery surfaces you can pre-sand the area before installing the lights. We also recommend Primer 94 from 3M to prime the surface.
- Do not attempt to make sharp bends
- Do not press on the LEDs when installing
- Solder connections can be made at any of the exposed pads
- Cut the strips at the cutting marks only
- Do not mount with components or board touching any flammable surfaces
- Check polarity before soldering. + Is positive, - is negative
- 14-20 gauge wire is recommended
- Wet location strips are protected against water. Power supply is not water resistant.
- Excessive or exaggerated bending and twisting should be avoided. This stress can split the silicone and damage the circuit.

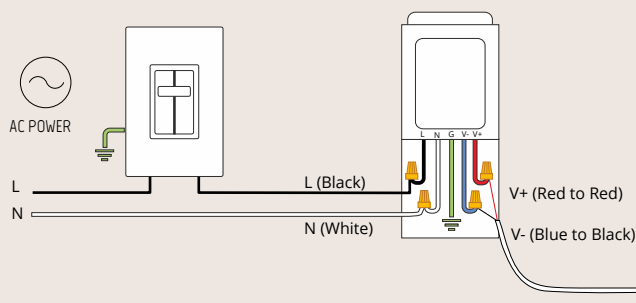
PLUG AND PLAY



ELECTRONIC HARD WIRE



MAGNETIC HARDWIRE



**DIMMER MUST BE MAGNETIC LOW VOLTAGE.
ASK YOUR ACCOUNT MANAGER FOR OUR FAVORITES.**

NOVA FLEX MAX LENGTH

WARNING: DO NOT EXCEED 80% WATTAGE.
OPTIMAL OPERATING OUTPUT IS BETWEEN 50% AND 80% WATTAGE.

DIMMABLE MAGNETIC HARD WIRE POWER SUPPLIES: 12V

POWER SUPPLY	60 SERIES		120 SERIES		240 SERIES	
	MIN	MAX	MIN	MAX	MIN	MAX
NF-PS-TM10W12V	4 FT	5 FT 8 IN	2 FT	2 FT 6 IN	8 IN	1 FT
NF-PS-M20L12	8 FT	11 FT	3 FT 6 IN	5 FT 6 IN	1 FT 8 IN	2 FT 6 IN
NF-PS-M40L12	15 FT	21 FT	7 FT	11 FT	3 FT 6 IN	5 FT 6 IN
NF-PS-M60L12	22 FT	32 FT	11 FT	16 FT	5 FT 6 IN	8 FT 6 IN
NF-PS-TM100W12V	21 FT 5 IN	57 FT 1 IN	10 FT 8 IN	28 FT 6 IN	5 FT 2 IN	14 FT
NF-PS-TM150W12V	32 FT 1 IN	85 FT 8 IN	16 FT	42 FT 10 IN	7 FT 10 IN	21 FT
NF-PS-TM200W12V	42 FT 10 IN	114 FT 3 IN	21 FT 5 IN	57 FT 1 IN	10 FT 6 IN	28 FT
NF-PS-TM250W12V	53 FT 6 IN	142 FT 10 IN	26 FT 9 IN	71 FT 5 IN	13 FT 1 IN	35 FT
NF-PS-TM300W12V	64 FT 3 IN	171 FT 5 IN	32 FT 1 IN	85 FT 8 IN	15 FT 9 IN	42 FT 1 IN

* = These need to be at 50% of the total wattage but once that is met, the remaining terminals have no minimum.

WARNING: DO NOT EXCEED 80% WATTAGE.
OPTIMAL OPERATING OUTPUT IS BETWEEN 50% AND 80% WATTAGE.

DIMMABLE MAGNETIC HARD WIRE POWER SUPPLIES: 24V

POWER SUPPLY	60 SERIES		120 SERIES		240 SERIES	
	MIN	MAX	MIN	MAX	MIN	MAX
NF-PS-TM10W24V	4 FT	5 FT 8 IN	2 FT	2 FT 6 IN	8 IN	1 FT
NF-PS-M20L24	8 FT	11 FT	3 FT 6 IN	5 FT 6 IN	1 FT 8 IN	2 FT 6 IN
NF-PS-M40L24	15 FT	21 FT	7 FT	11 FT	3 FT 6 IN	5 FT 6 IN
NF-PS-M60L24	22 FT	32 FT	11 FT	16 FT	5 FT 6 IN	8 FT 6 IN
NF-PS-TM75W24V	16 FT	42 FT	8 FT	21 FT	3 FT 11 IN	10 FT
NF-PS-TM100W24V	21 FT 5 IN	57 FT 1 IN	18 FT	28 FT 6 IN	5 FT 2 IN	14 FT
NF-PS-TM200W24V	42 FT 10 IN	114 FT 3 IN	21 FT 5 IN	57 FT 1 IN	10 FT 6 IN	28 FT
NF-PS-TM300W24V	64 FT 3 IN	171 FT 5 IN	32 FT 1 IN	85 FT 8 IN	15 FT 9 IN	42 FT 1 IN

* = These need to be at 50% of the total wattage but once that is met, the remaining terminals have no minimum.

NOVA FLEX MAX LENGTH

WALL MOUNT AND TABLE TOP POWER SUPPLIES - 12V

POWER SUPPLY	60 SERIES	I20 SERIES	240 SERIES
NF-PS-6W-12V-WM	3 FT	1 FT	6 IN
NF-PS-12W-12V-WM	6 FT	3 FT	16 IN
NF-PS-24W-12V-WM	13 FT	6 FT	3 FT
NF-PS-24W-12V-TT	13 FT	6 FT	3 FT
NF-PS-36W-12V-TT	20 FT	9 FT	4 FT 6 IN
NF-PS-60W-12V-TT	*34 FT	*17 FT	*8 FT 6 IN
NF-PS-84W-12V-TT	*48 FT	*24 FT	*12 FT

WALL MOUNT AND TABLE TOP POWER SUPPLIES - 24V

POWER SUPPLY	60 SERIES	I20 SERIES	240 SERIES
NF-PS-12W-24V-WM	6 FT	3 FT	16 IN
NF-PS-24W-24V-WM	13 FT	6 FT	3 FT
NF-PS-24W-24V-TT	13 FT	6 FT	3 FT
NF-PS-36W-24V-TT	20 FT	9 FT	4 FT 6 IN
NF-PS-60W-24V-TT	34 FT	17 FT	8 FT 6 IN
NF-PS-84W-24V-TT	48 FT	24 FT	12 FT
NF-PS-96W-24V-TT	61 FT	30 FT	16 FT

* = TOTAL MAXIMUM LENGTH EXCEEDS MAXIMUM RUN

ELECTRONIC HARD WIRE POWER SUPPLIES - 12V

POWER SUPPLY	60 SERIES	I20 SERIES	240 SERIES
NF-PS-35W-12V-HW	20 FT	10 FT	5 FT
NF-PS-60W-12V-HW	32 FT	16 FT	8 FT
NF-PS-CLG150W12V-HW	*64 FT	*32 FT	*16 FT

ELECTRONIC HARD WIRE POWER SUPPLIES - 24V

POWER SUPPLY	60 SERIES	I20 SERIES	240 SERIES
NF-PS-35W-24V-HW	20 FT	10 FT	5 FT
NF-PS-60W-24V-HW	32 FT	16 FT	8 FT
NF-PS-CLG100W24V-HW	64 FT	32 FT	16 FT

* = TOTAL MAXIMUM LENGTH EXCEEDS MAXIMUM RUN


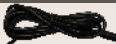






NOVA FLEX ORDERING INFORMATION / ACCESSORIES

ORDERING INFORMATION


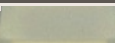
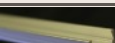



Step	Instructions	Length (ft. Or in.)	Series/Model	Color
1	Specify fixture, length, and color	1' to 32'	NF-XX-60	**Indoor / Outdoor
		1' to 16'	NF-XX-120	
		1' to 8'	NF-XX-240	Warm White, Pure White, Cool White
2	Specify input connection	Lead length	NF-HW-XXFT / IN	Application
			NF-C-F-XXFT	Plug and play or hard wire
3	Specify output connection	Lead length	NF-HW-XXFT, NF-C-M-XXFT	Plug and play, hard wire, quick connect output, end run
4	Specify dimming or non dimming	Dim / non dim	Magnetic XFMR = dim Electronic XFMR = non dim	All plug-in and HW electronic power supplies are dimmable on load side, magnetic power supplies are dimmable on line side

**INDOOR NOT AVAILABLE IN SOME COLORS.

ACCESSORIES

	NF-C-M/F-10FT, 6FT, 3FT	10, 6, 3 ft male to female quick connect cable
	NF-C-F-10FT	10 foot female quick connect cable with hard wire end.
	NF-C-M-10FT	10 foot male quick connect cable with hard wire end.
	NF-M-HW-PA	Male quick connect to hard wire adapter.
	NF-F-HW-PA	Female quick connect to hard wire adapter.
	NF-C-ON/OFF	On/Off toggle switch with male/female quick connect cables
	NF-C-Y-2-Y NF-C-Y-4-Y NF-C-Y-8-Y	Female quick connect to 2, 4, or 8 male quick connect cables.
	NF-D-6AMP	6amp LED dimmer with On/Off switch, male and female quick connect connections.

TRACK

	NF-CLIP-HARD	Plastic mounting clips for Nova Flex® LEDs
	NF-CLIP-FLEX	Flexible mounting clips for Nova Flex® LEDs.
	NF-T-S	Nova Flex® Standard Tracking
	NF-T-W	Nova Flex® Winged Tracking
	NF-T-A	Nova Flex® Angled Tracking
	NF-T-240	Nova Flex® 240 Series Tracking (doesn't include clips or paneling)

PANELS FOR TRACKING ARE AVAILABLE IN CLEAR, SOFT WHITE, AND SOLID WHITE.