

NEON ROUND SERIES

- Introducing Nova's ENHANCED Round Neon!
- Spec-grade, round top, side-bend flexible silicone neon, now with a 5 year warranty!
- In-house custom injection molding produces exceptional finishing of IP67 neon with a SHORT, 5-10 day lead-time!
- [IP68 available via special order](#)
- Salt and UV / anti-yellowing resistant; IK08 protection



	SKU	Lumens /ft	Efficacy (lm/w)	Power (w/ft)	Max Run
Static White	NF-NR-WT-24V-22K-80-AIM*	116	31.7	3.7	25.69'
	NF-NR-WT-24V-27K-80-AIM*	143	39.1		
	NF-NR-WT-24V-30K-80-AIM*	143	39.1		
	NF-NR-WT-24V-35K-80-AIM*	143	39.1		
	NF-NR-WT-24V-40K-80-AIM*	143	39.1		
	NF-NR-WT-24V-57K-80-AIM*	143	39.1		
Static Color	NF-NR-WT-24V-R-AIM*	43	17.6	2.4	39.77'
	NF-NR-WT-24V-B-AIM*	24	6.6	3.7	25.69'
	NF-NR-WT-24V-G-AIM*	113	30.9	3.7	25.69'
	NF-NR-WT-24V-A-AIM*	43	17.6	2.4	39.77'
	NF-NR-WT-24V-40K-RGBW-AIM*	37	8.1	4.6	20.69'
NF-NR-WT-24V-30K-RGBW-AIM*	37	8.1			
NF-NR-WT-24V-27K-RGBW-AIM*	37	8.1			
NF-NR-WT-24V-40K-DRGBW-AIM*	34	7.4			
NF-NR-WT-24V-30K-DRGBW-AIM*	34	7.4			
NNF-NR-WT-24V-27K-DRGBW-AIM*	34	7.4			
	NF-NEON-WT-ROUND-24V-DRGB-AIM*	52	14.2	3.7	25.69'

Lumens have a tolerance of +/- 10%.

*Add "-AIM" (Additional Injection Mold) For our Special Order IP68 Injection Mold front connectors and end cap with a further refined finish:

Performance

Lumen Maintenance	50,000 Hrs
Warranty	5 years
CCT Binning	3-step MacAdam

Electrical

Voltage	24V
Wire Size	18 AWG. 2 Wire 18 AWG. 3-Wire (DRGB/W) 5-wire, 1x20AWG, 4x22AWG (RGBW)
Lead	1M, 3M, or 5M
Jumper	0.5M, 1M

Static W/Ctrs: 0-10V, MLV, ELV Triac, PWM and external controller
RGBW, DRGB, DRGBW: External controller

NOTES RE: DRGBW
- DRGBW can be controlled only using DRGBW-specific controls.
- Control Method: SPI, no clock.
- Chip Set: UCS 2904

NOTES RE: DRGB
- DRGB can be controlled only using DRGB-specific controls
- Control Method: SPI, no clock
- Chip Set: UCS 2903

Dimming

Distance from SPI output to O1 end of NEON should not exceed 5' / 1.5M

Physical

Operating Temp	-40° to 131°F (-40° to 113°C)
Environment	WET

Dimensions

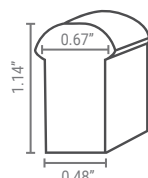
Static White, Green, Blue Cut Mark: 3.28 in

RGBW Cut Mark: 3.94 in

Red, Amber Cut Mark: 4.92 in

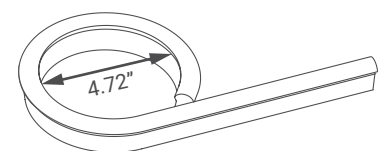
DRGB, DRGBW Cut Mark: 6.56 in

Neon Ribbon

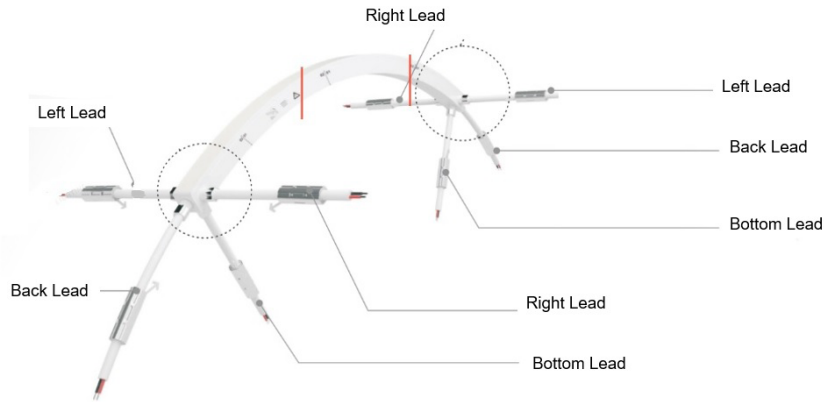


Lead options & dimensions on next page

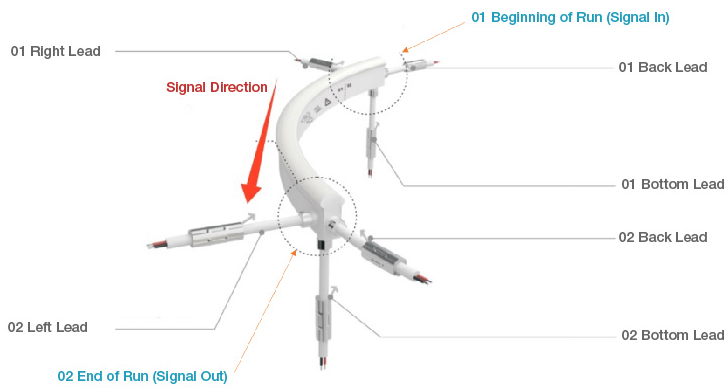
Bend Diameter



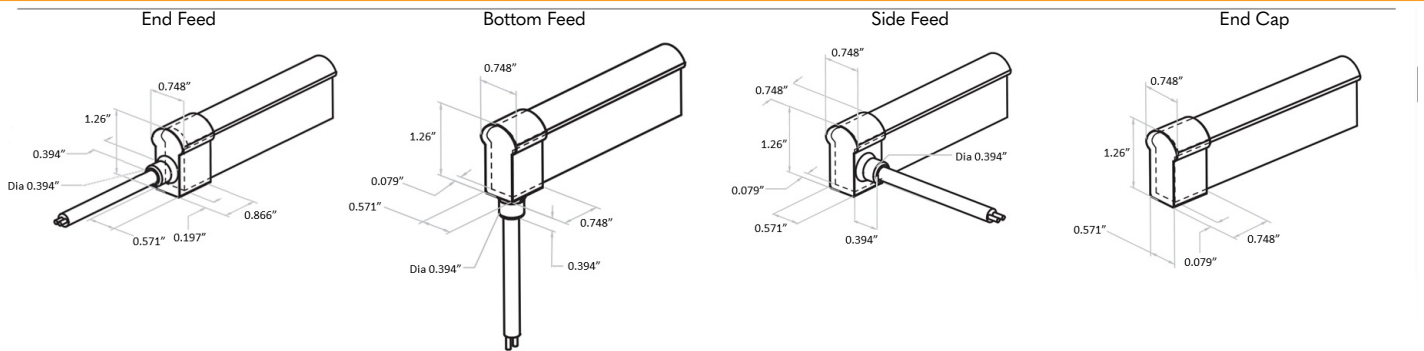
Lead Wire Orientation for Static Whites and Colors, and RGBW



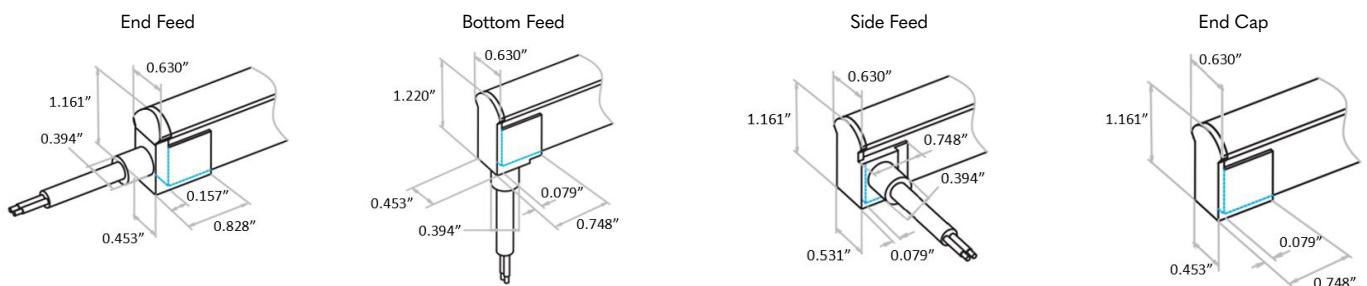
Lead Wire Orientation DRGB, DRGBW



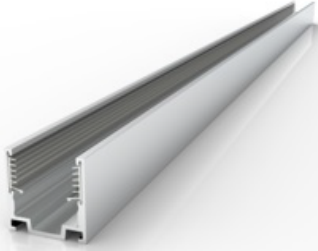
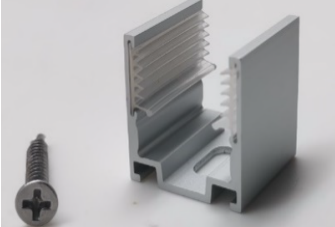
Nova in-house Injection Mold IP67 front connectors and end cap:



Special order IP68 Injection Mold front connectors and end cap with a further refined finish:








Nova in-house Injection Mold IP67 front connectors and end cap:

Image	SKU	Dimensions	Mounting
	NF-CH-NEON-ROUND-SR-2M Silver Rigid Aluminum Profile	width: 0.63" height: 0.98" length: 2 meters	Each 2M/6.56' section of profile has ten pre-drilled holes, and includes ten screws. The molded caps used on each end for Nova in-house customization will rest outside the profile (see above for endcap dimensions). Leave a .5" gap from the edge of the channel to the edge of each molded end cap.
	NF-CH-NEON-ROUND-SR-CLIP Silver Aluminum Clip	width: 0.63" height: 0.98" length: 0.79"	This clip mounts behind the neon, with one screw (included). Always use one clip near to each end of the run (leave a .5" gap from the edge of the clip to the edge of the molded end cap). We generally recommend 7-10 clips per 3.3 feet: <ul style="list-style-type: none"> • For ceiling installs, we recommend 10 clips. • For wall installs, straight runs, 7-clips; for curves/shapes, wall or ceiling, use the number of clips needed to accomplish the desired shape.

NEON ROUND DRIVER OPTIONS


	Product Image	Product Code	Wattage	Current/Voltage	Safety
Universal Dim / Non-Dim		NF-PS-UNV-30W-24V Dim 0-10V, MLV, ELV TRIAC View spec sheet for all options	30W	Output Current: 1.25A Input Voltage: 100-277 VAC	UL8750 Class 2 Type HL FCC
		NF-PS-UNV-60W-24V Dim 0-10V, MLV, ELV TRIAC View spec sheet for all options	60W	Output Current: 2.5A Input Voltage: 100-277 VAC	UL8750 Class 2 Type HL FCC
		NF-PS-UNV-80W-24V Dim 0-10V, MLV, ELV TRIAC View spec sheet for all options	80W	Output Current: 3.33A Input Voltage: 100-277 VAC	UL8750 Class 2 Type HL FCC
		NF-PS-UNV-96W-24V Dim 0-10V, MLV, ELV TRIAC View spec sheet for all options	96W	Output Current: 4A Input Voltage: 100-277 VAC	UL8750 Class 2 Type HL FCC
		NF-PS-UNV-288W-24V Dim 0-10V, MLV, ELV TRIAC View spec sheet for all options	288W	Output Current: 3x4A Input Voltage: 100-277 VAC	UL8750 Class 2 Type HL FCC
		NF-PS-UNV-384W-24V Dim 0-10V, MLV, ELV TRIAC View spec sheet for all options	384W	Output Current: 4x4A Input Voltage: 100-277 VAC	UL8750 Class 2 Type HL FCC
0 - 10V Dim Only		NF-PS-MAXX-30W-24V-0/10V	30W	Output Current: 1.25A Input Voltage: 100-277 VAC	UL8750 Class 2 Type HL FCC
		NF-PS-MAXX-288W-24V-0/10V	288W	Output Current: 20A Input Voltage: 100-277 VAC	UL 7850 UL1310
		NF-PS-96W-24V-0/10V	96W	Output Current: 0.96A Max Input Voltage: 120-277 VAC	UL8750 Class 2
Lutron (N/A for DRGB and DRGBW)		NF-PS-L3DA-40W-24V-KL Lutron Hi-Lume 1% EcoSystem/3-Wire 24V	40W	Output Current: 3.3A Input Voltage: 120-277 VAC	UL8750 Class 2 Type TL
		NF-PS-L3DO-96W-24V Lutron Hi-Lume Premier 0.1% EcoSystem/3-Wire 24V Constant Voltage	96W	Output Current: 4.0A Input Voltage: 120-277VAC	UL8750 CSA250.13-14 Class 2

*Special Order requires lead-time of 7 - 9 weeks, MOQ 364 feet

	Product Image	Product Code	Details
S3i Series		S3i Glass Touch-Panel NF-S3i-TP-D	Required to Pair: S3i-WR-1009 Zones: 4 Power Consumption: 200ma Dimming Function: 0 - 100%
		S3i Hand-Held Remote NF-S3i-WC-D	Required to Pair: S3i-WR-1009 Zones: 6 Dimming Function: 0 - 100% Battery Operated: 3 AAA
		S3i Push Button Wall Mount NF-S3i-PB-D	Required to Pair: S3i-WR-1009 Zones: 1 Dimming Function: 0 - 100% Battery Operated: 3V (CR2025)
		S3i Wireless Receiver All controls above require this product NF-S3i-WR-1009	Output Power: 240 - 720w Output Current: 4 CH. 5A/CH Input: 12 - 36V DC Dimming: 0 - 100% Can pair with NF-A-UNV
Amplifier		Universal Amplifier NF-A-UNV	Input Voltage: 12 - 36V DC Input Signal: PWM Max Load Current: 20A (5A/4CH) Max Output Power: 240 - 720W

	Product Image	Product Code	Details
RGBW Controls		S3i Glass Touch-Panel NF-S3i-TP-RGBW	Required to Pair: S3i-WR-1009 Zones: 1 Power Consumption: 200ma Dimming Function: 0 - 100%
		S3i Hand-Held Remote NF-S3i-WC-RGB/W	Required to Pair: S3i-WR-1009 Zones: 6 Dimming Function: 0 - 100% Battery Operated: 3 AAA
		S3i Push Button Wall Mount NF-S3i-PB-RGB/W	Required to Pair: S3i-WR-1009 Zones: 1 Dimming Function: 0 - 100% Battery Operated: 3V (CR2025)
		S3i Wireless Receiver All controls above require this product NF-S3i-WR-1009	Output Power: 240 - 720w Output Current: 4 CH. 5A/CH Input: 12 - 36V DC Dimming: 0 - 100% Can pair with NF-A-UNV
Amplifier		Universal Amplifier NF-A-UNV	Input Voltage: 12 - 36V DC Input Signal: PWM Max Load Current: 20A (5A/4CH) Max Output Power: 240 - 720W

NEON ROUND DRGB/DRGBW CONTROLS **NOVA** FLEX[®]

Product Image	Product Code	Details
 <p data-bbox="99 310 142 436">Digital RGB/W Controls</p>	LED DMX Pixel Decoder NF-DMX-PIXELDECODER	Input Voltage: 12 - 36V DC Input Signal: PWM Max Load Current: 20A (5A/4CH) Max Output Power: 240 - 720W









NOTES RE: DRGBW

- DRGBW can be controlled only using DRGBW-specific controls.
- Control Method: SPI, no clock.
- Chip Set: UCS 2904

Distance from SPI output to 01 end of NEON should not exceed 5' / 1.5M

NOTES RE: DRGB

- DRGB can be controlled only using DRGB-specific controls
- Control Method: SPI, no clock
- Chip Set: UCS 2903

Product Image	Product Code	Dimensions
	Hardwire to Female Quick Connect Adapter NF-C-F	Available Lengths: 6in, 1ft, 2ft, 3ft, 4ft, 5ft, 6ft, & 10ft
	Hardwire to Male Quick Connect Adapter NF-C-M	Available Lengths: 6in, 1ft, 2ft, 3ft, 4ft, 5ft, 6ft, 8ft & 10ft
	Male to Female Quick Connect Adapter NF-C-MF	Available Lengths: 3ft, 6ft & 10ft
	Y Cable 2 Male, 1 Female NF-C-Y	Total Length: 20.00 in
	Y Cable 4 Male, 1 Female NF-C-Y-4Y	Total Length: 20.00 in
	Y Cable 8 Male, 1 Female NF-C-Y-8Y	Total Length: 17.25 in
	Female Quick Connect to Hardwire Adapter NF-C-F/HW	1.5 x 0.5 x 0.5 in
	Male Quick Connect to Hardwire Adapter NF-C-M/HW	1.5 x 0.5 x 0.5 in