



QUOTES IN HOURS
ORDERS IN DAYS
INSPECTION READY
CUSTOMIZED LINEAR LEDs

Made Easy



NOVA  **FLEX**®

OUR MISSION IS
TO *transform*
THE EXPERIENCE OF
CONFIGURING, ORDERING
AND INSTALLING LINEAR
LED LIGHTING SOLUTIONS.

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FOR THE LATEST RESOURCES, VISIT OUR WEBSITE

WWW.NOVAFLEXLED.COM/RESOURCES





BRIGHTENING LIVES

For A Decade



Nova Flex's vision is to be the lighting manufacturer service leader across the nation.

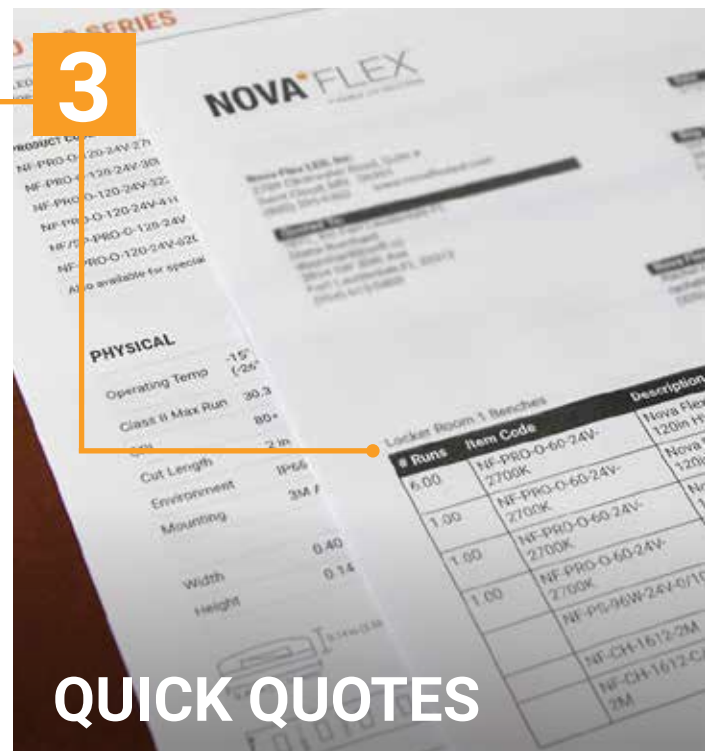
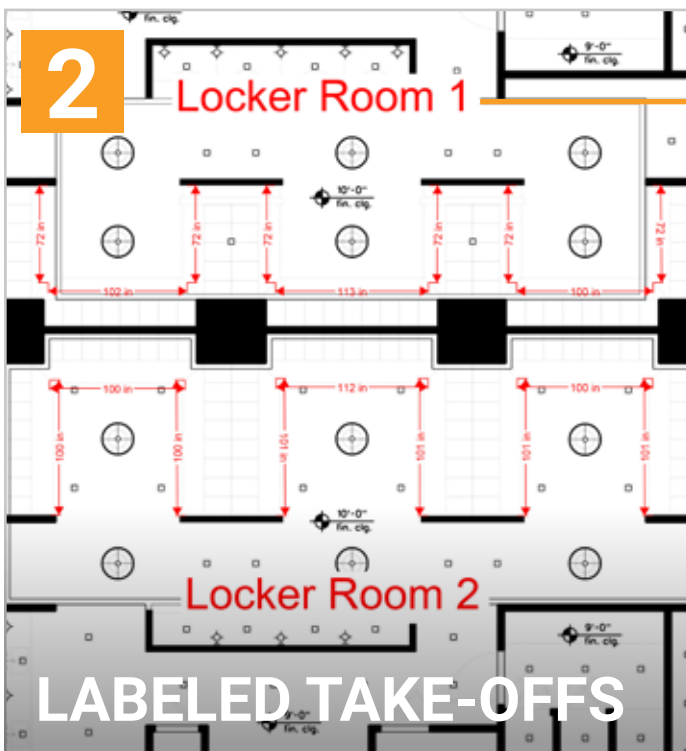
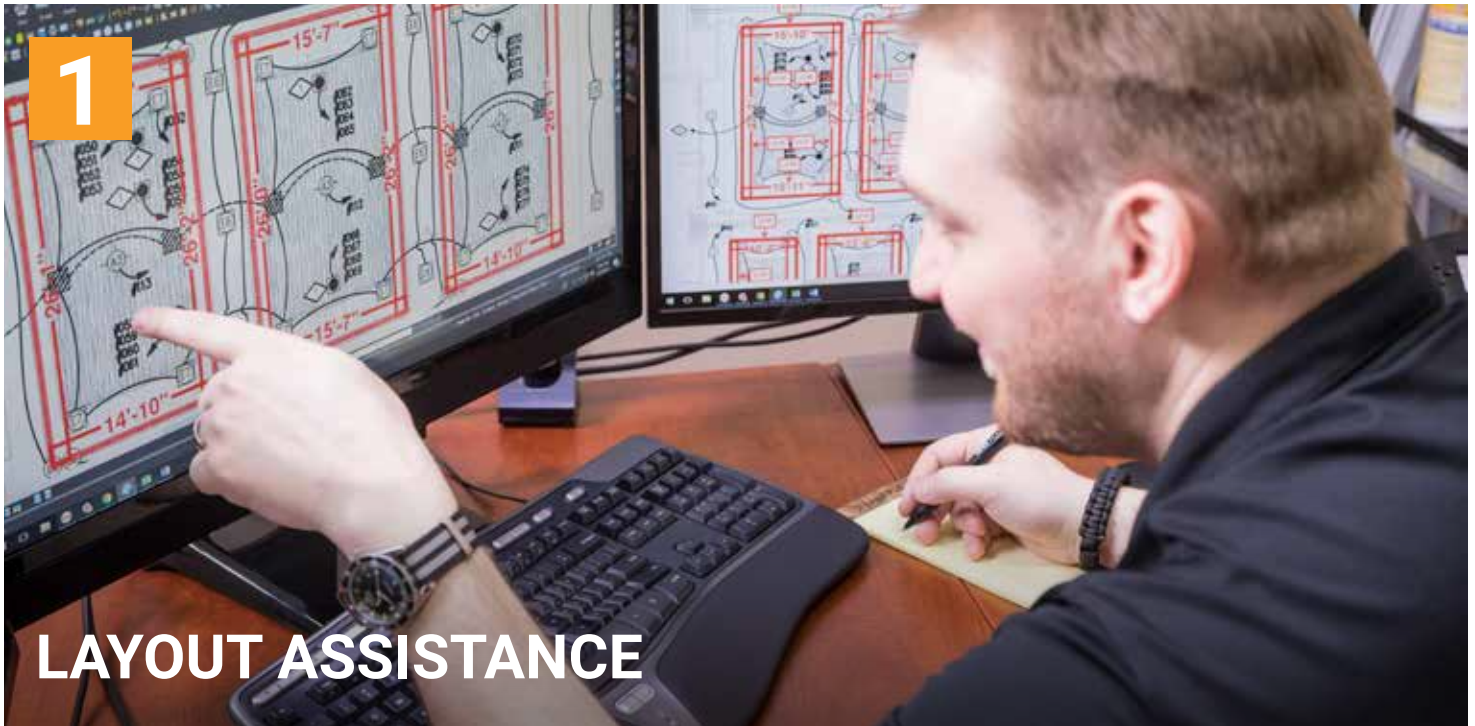
From the beginning, our customers' needs have always come first. After a customer requested a customized LED solution, ready to install, we said "YES". This began the basis of our business model: Custom Configured LED Solutions.

Nova Flex has been brightening lives, with linear LED lighting, for a decade by making it easier to enhance the places people live, work and play.



QUALITY SERVICE *Made Exceptional*

Great personnel with passion and expertise is what makes Nova Flex a leader in service. From layout assistance and labeled take-offs to quick quotes and shipping, our team makes it easy for you! LED ribbon or neon is cut, soldered and assembled with channel, controls or power supplies to deliver a complete, inspection-ready solution in eight steps.



4

DID YOU KNOW:
LED tape cut in the field
voids UL Certification.

UL CERTIFIED CUSTOMIZATION

5

INSPECTION READY

6

LABELED PRODUCT



7

NOVA FLEX

85%

QUOTES IN < 24 HOURS

Up to 48 hours for labeled take-offs

97%

ORDERS IN < 4 DAYS

Quick same-day ship available

PRECISE PACKAGING



8

NOVA FLEX
FLEXIBLE LED SOLUTIONS

QUICK SHIP

10⁺
YEARS

A SERVICE LEADER

Making linear LED lighting easy

QUALITY PRODUCTS *Made Easy*

Quality is one of Nova Flex's core values which means we only sell reliable, top-rated LED solutions. As a UL System Certified Provider, our production facility in Minnesota, is regularly inspected to ensure we deliver the highest quality customized solutions.



Product is shipped, inspection ready, which guarantees:

- All local and federal safety & environmental regulations are met
- Accepted by all electrical inspectors
- Peace of mind knowing employees and customers are safe
- Our commitment to quality and safety



All ribbon and neon is single-bin, 3-step MacAdam Ellipse to ensure color consistency and accuracy. Product comes in Standard IP65 or Rugged IP68 to protect the diodes and ribbon from solids, liquids and the environment.



Assembled in Minnesota, USA.





LED RIBBON

- 12 DESIGN SERIES
- 14 H2 SERIES
- 16 PRO SERIES
- 18 ADJUSTABLE SERIES
- 20 FLEX LINE 120V
- 22 STATIC COLOR & COLOR-CHANGING



DESIGN SERIES *Architectural Grade*



Bobbitt Design Build, Columbia, SC - Product Used: Design 240

The Design Series offers architectural-grade lighting that ensures proper execution of design intentions.

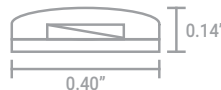
- High performance 90+ CRI
- Accent or ambient lighting
- Single Bin Only: 3 Step MacAdam
- UL Certified



PHYSICAL & ELECTRICAL DATA

Voltage	24V
CRI	90+
Operating Temp	-15° to 140°F (-25° to 60°C)
Environment	Standard IP65 / Rugged IP68*
Mounting	3M Adhesive / Clips / Channels

Design 64 / 128 / 160



Design 240





SERIES	PRODUCT CODE		LUMENS/FT	EFFICACY LM/W	WATTAGE/FT	MAX RUN	CUT MARKS
DESIGN 64	NF/SP-DS-O-64-24V-2200K*	■	164	68	2.4	31.0 ft	4.92 in
	NF-DS-O-64-24V-2500K	■	224	93			
	NF-DS-O-64-24V-2700K	■	309	129			
	NF-DS-O-64-24V-3000K	■	256	107			
	NF-DS-O-64-24V-3500K	■	255	106			
	NF-DS-O-64-24V-4100K	■	243	101			
	NF-DS-O-64-24V-5500K	■	259	108			
DESIGN 128	NF/SP-DS-O-128-24V-2200K*	■	205	57	3.6	22.9 ft	2.46 in
	NF-DS-O-128-24V-2500K	■	234	65			
	NF-DS-O-128-24V-2700K	■	316	88			
	NF-DS-O-128-24V-3000K	■	322	89			
	NF-DS-O-128-24V-3500K	■	328	91			
	NF-DS-O-128-24V-4100K	■	312	87			
	NF-DS-O-128-24V-5500K	■	316	88			
DESIGN 160	NF/SP-DS-O-160-24V-2200K*	■	272	62	4.4	18.0 ft	1.97 in
	NF-DS-O-160-24V-2500K	■	326	74			
	NF-DS-O-160-24V-2700K	■	424	96			
	NF-DS-O-160-24V-3000K	■	397	90			
	NF-DS-O-160-24V-3500K	■	407	93			
	NF-DS-O-160-24V-4100K	■	411	93			
	NF-DS-O-160-24V-5500K	■	384	87			
DESIGN 240	NF/SP-DS-O-240-24V-2200K*	■	444	67	6.6	13.8 ft	1.31 in
	NF-DS-O-240-24V-2500K	■	558	85			
	NF-DS-O-240-24V-2700K	■	577	87			
	NF-DS-O-240-24V-3000K	■	577	87			
	NF-DS-O-240-24V-3500K	■	554	84			
	NF-DS-O-240-24V-4100K	■	581	88			
	NF-DS-O-240-24V-5500K	■	605	92			



APPLICATIONS

- Indoor / Outdoor
- Commercial / Residential
- High End Retail
- Museums / Art

H2 SERIES *High Output & Efficacy*



MIXT, San Ramon, CA - Product Used: H2 128

The Nova Flex H2 Series is an elite ribbon line that offers high output and very high efficacy.

- Direct view lighting with no dotting
- Average 900 lm/ft and 120 lm/w
- Single Bin Only: 3 Step MacAdam
- UL Certified



PHYSICAL & ELECTRICAL DATA

Voltage	24V
CRI	80+
Operating Temp	-40° to 176°F (-40° to 80°C)
Environment	Standard IP65 / Rugged IP68*
Mounting	3M Adhesive / Clips / Channels





SERIES	PRODUCT CODE		LUMENS/FT	EFFICACY LM/W	WATTAGE/FT	MAX RUN	CUT MARKS
H2 128	NF/SP-H2-O-128-24V-2500K*	■	697	104	6.7	13.5 ft	2.46 in
	NF-H2-O-128-24V-2700K	■	771	115			
	NF-H2-O-128-24V-3000K	■	759	113			
	NF-H2-O-128-24V-3500K	■	898	134			
	NF-H2-O-128-24V-4100K	■	935	140			
	NF/SP-H2-O-128-24V-5500K*	■	782	117			



APPLICATIONS

- Indoor / Outdoor
- Commercial / Residential
- Direct Lighting Fixtures
- Signage
- Retail
- Restaurants



PRO SERIES *Energy Efficient*



U of M Athletes Village, Minneapolis, MN - Product Used: Pro 120

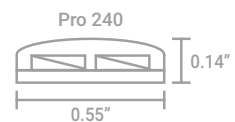
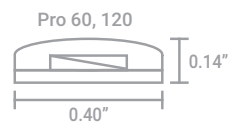
The Pro Series offers energy efficient, economical LED lighting for indoor and outdoor applications.

- Commercial-grade lighting
- Closet-Rated (Pro 60/120)
- Single Bin Only: 3 Step MacAdam
- UL Certified



PHYSICAL & ELECTRICAL DATA

Voltage	24V
CRI	80+
Operating Temp	-15° to 140°F (-26° to 60°C)
Environment	Standard IP65 / Rugged IP68
Mounting	3M Adhesive / Clips / Channels





SERIES	PRODUCT CODE		LUMENS/FT	EFFICACY LM/W	WATTAGE/FT	MAX RUN	CUT MARKS
PRO 60	NF-PRO-O-60-24V-2700K	■	94	63	1.5	48.8 ft	3.93 in
	NF-PRO-O-60-24V-3000K	■	115	77			
	NF-PRO-O-60-24V-3225K	■	103	67			
	NF-PRO-O-60-24V-4100K	■	101	67			
	NF/SP-PRO-O-60-24V-5500K*	■	92	61			
	NF-PRO-O-60-24V-6200K	■	87	58			
PRO 120	NF-PRO-O-120-24V-2700K	■	214	71	3.0	30.3 ft	1.96 in
	NF-PRO-O-120-24V-3000K	■	210	70			
	NF-PRO-O-120-24V-3225K	■	197	66			
	NF-PRO-O-120-24V-4100K	■	212	71			
	NF/SP-PRO-O-120-24V-5500K*	■	208	69			
	NF-PRO-O-120-24V-6200K	■	172	57			
PRO 240	NF-PRO-O-240-24V-2700K	■	384	65	5.9	15.4 ft	0.98 in
	NF-PRO-O-240-24V-3000K	■	368	62			
	NF-PRO-O-240-24V-3225K	■	417	71			
	NF-PRO-O-240-24V-4100K	■	421	71			
	NF/SP-PRO-O-240-24V-5500K*	■	407	69			
	NF-PRO-O-240-24V-6200K	■	381	65			



APPLICATIONS

- Indoor / Outdoor
- Commercial / Residential
- Accent / Back-Lighting
- Pathway / Stairways
- Kitchen / Bathroom
- Cove / Shelving
- Under Bar / Cabinets

ADJUSTABLE SERIES *Versatile & Select*



Beehive Beauty features unique credits of a collaboration.
Interior Designer: Leslie McGwire | Furniture Designer + Manufacturer: Michele Pelafas, Inc.

Beehive Beauty, Duxbury, MA - Product Used: Pro Adjustable 120

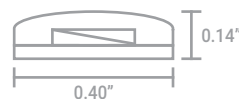
The Adjustable Series offers a wide range of color temps to enhance the places people live, work and play.

- Create different ambiances using 2100K - 5400K
- Adjust intensity independently
- Single Bin Only: 3 Step MacAdam
- UL Certified



PHYSICAL & ELECTRICAL DATA

Voltage	24V
CRI	80+ / 90+
Operating Temp	-15° to 140°F (-26° to 60°C)
Environment	Standard IP65 / Rugged IP68*
Mounting	3M Adhesive / Clips / Channels





SERIES	PRODUCT CODE		RANGE	LUMENS/FT	EFFICACY LM/W	WATTAGE/FT	MAX RUN	CUT MARKS
PRO ADJUSTABLE 120	NF-AS-O-120-24V		3000K - 5000K	90 - 184	30 - 61	1.5 - 3.0	16.4 ft	3.93 in
DESIGN ADJUSTABLE 128	NF/SP-DS-O-128-24V-AS*		2100K - 5400K	109 - 272	68 - 74	1.6 - 3.7	16.0 ft	2.46 in
DESIGN ADJUSTABLE 160	NF-DS-O-160-24V-AS		2100K - 5400K	138 - 343	65 - 84	2.1 - 4.5	13.1 ft	3.93 in



APPLICATIONS

- Indoor / Outdoor
- Commercial / Residential
- Restaurants / Hospitality
- Office Space for higher productivity
- Education to optimize concentration
- Healthcare to expedite healing
- Retail to influence shoppers



FLEX LINE 120V SERIES *Direct Power*



Fair Oaks Farms, Fair Oaks, IN - Product Used: Flex Line 120V - 2700K

The Flex Line 120V is a driverless, outdoor rated ribbon that is great for lighting long runs, up to 164 feet.

- Dimmable with most ELV Dimmers
- One of the Tightest Cut Marks in the Industry
- Single Bin Only: 3 Step MacAdam
- UL Certified



PHYSICAL & ELECTRICAL DATA

Voltage	120V
CRI	80+
Operating Temp	-4° to 113°F (-20° to 45°C)
Environment	Damp / Wet
Mounting	Clips / Channel (Required)





SERIES	PRODUCT CODE		LUMENS/FT	EFFICACY LM/W	WATTAGE W/FT	MAX RUN	CUT MARKS
FLEX LINE 120V	NF-LINE-O-70-120V-2700K	■	309	84	3.7	164 ft	7.87 in
	NF-LINE-O-70-120V-3000K	■	307	84			
	NF-LINE-O-70-120V-3500K	■	333	91			
	NF-LINE-O-70-120V-4000K	■	325	89			
	NF/SP-LINE-O-70-120V-5000K*	■	337	92			
	NF-LINE-O-70-120V-6500K	■	334	91			

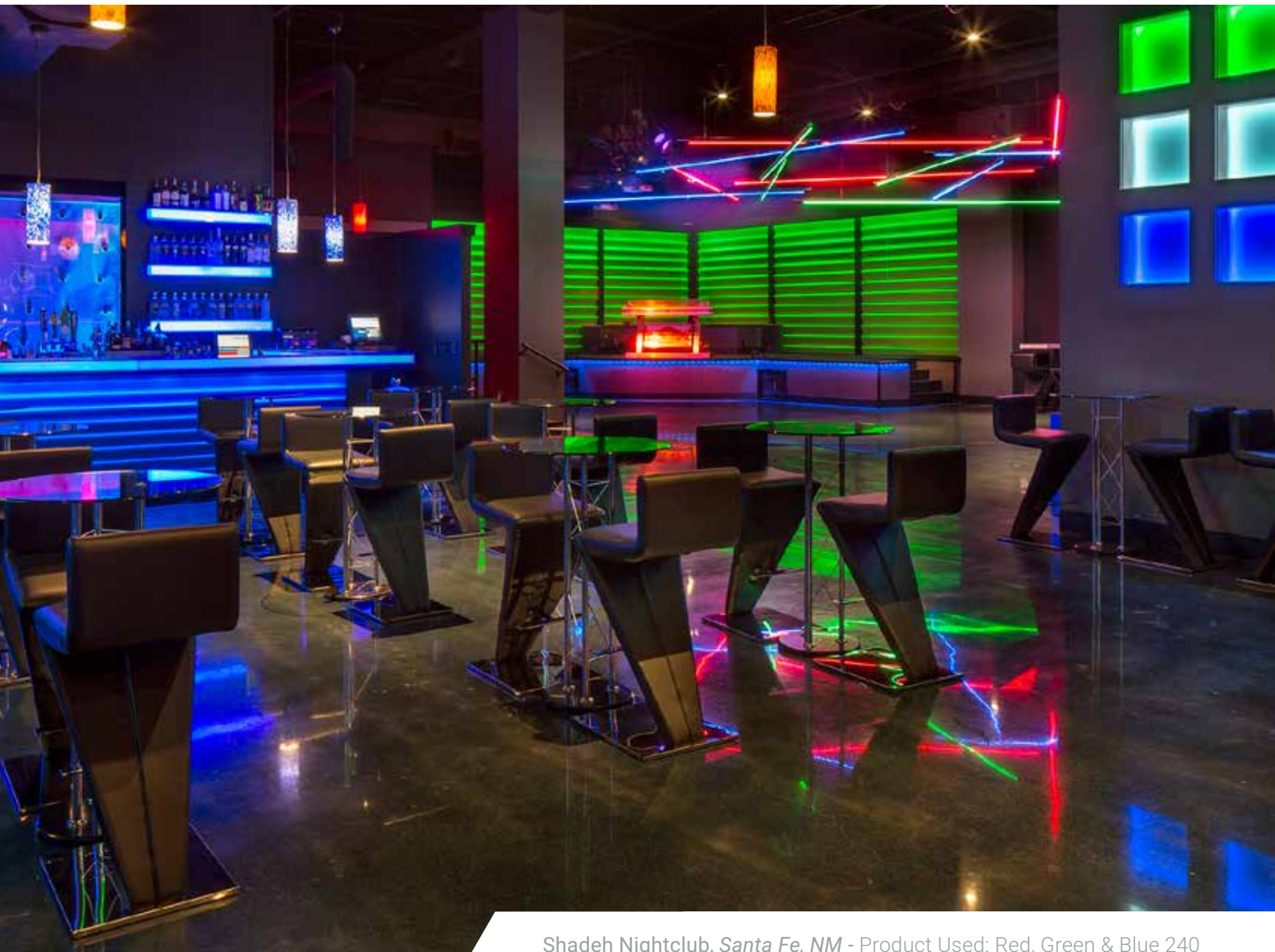
NOTE: Cut marks are approximate, please allow up to an additional 3 inches for end caps.

APPLICATIONS

- Indoor/Outdoor
- Coves
- Outlining Buildings
- Pathways



STATIC COLOR & COLOR-CHANGING *Dynamic*



Shadeh Nightclub, Santa Fe, NM - Product Used: Red, Green & Blue 240

Both Static & Color-Changing Series can be used to create a branded look or unique, fun environment.

- Turtle Certified (Red/Amber IP68)
- Single Bin Only: 3 Step MacAdam
- UL Certified



PHYSICAL & ELECTRICAL DATA

Voltage	24V
Operating Temp	-15° to 140°F (-26° to 60°C)
Environment	Standard IP65 / Rugged IP68*
Mounting	3M Adhesive / Clips / Channels

60, 120, RGB, DRGB



RGBW



Color 240





SERIES	PRODUCT CODE		LUMENS/FT	EFFICACY LM/W	WATTAGE/FT	MAX RUN	CUT MARKS
RGB 60	NF-RGB-O-60-24V		15 - 116	3 - 24	4.9	16.4 ft	3.93 in
RGBW 60	NF-RGBW-O-60-24V-2700K		12 - 189	2 - 39	4.9	15.4 ft	3.93 in
	NF-RGBW-O-60-24V-3225K		12 - 189	2 - 39			
	NF-RGBW-O-60-24V-6500K		12 - 189	2 - 39			
DRGB 48	NF-DRGB-O-48-24V		12 - 189	4 - 63	3.0	16.4 ft	4.93 in
STATIC COLOR 60	NF-R-O-60-24V		43	27	1.6	48.8 ft	3.93 in
	NF-G-O-60-24V		69	43			
	NF-B-O-60-24V		16	9			
	NF-Y-O-60-24V		32	20			
STATIC COLOR 120	NF-R-O-120-24V		86	29	3.0	30.3 ft	1.96 in
	NF-G-O-120-24V		146	49			
	NF-B-O-120-24V		33	11			
	NF-Y-O-120-24V		59	20			
STATIC COLOR 240	NF-R-O-240-24V		173	26	6.6	15.4 ft	0.98 in
	NF-G-O-240-24V		286	43			
	NF-B-O-240-24V		64	11			
	NF-Y-O-240-24V		113	17			



APPLICATIONS

- Indoor / Outdoor
- Commercial / Residential
- Bars / Restaurants
- Retail
- Home Theaters



All RED and AMBER IP68
LED Ribbon is Wildlife Lighting
Certified & Turtle Friendly.





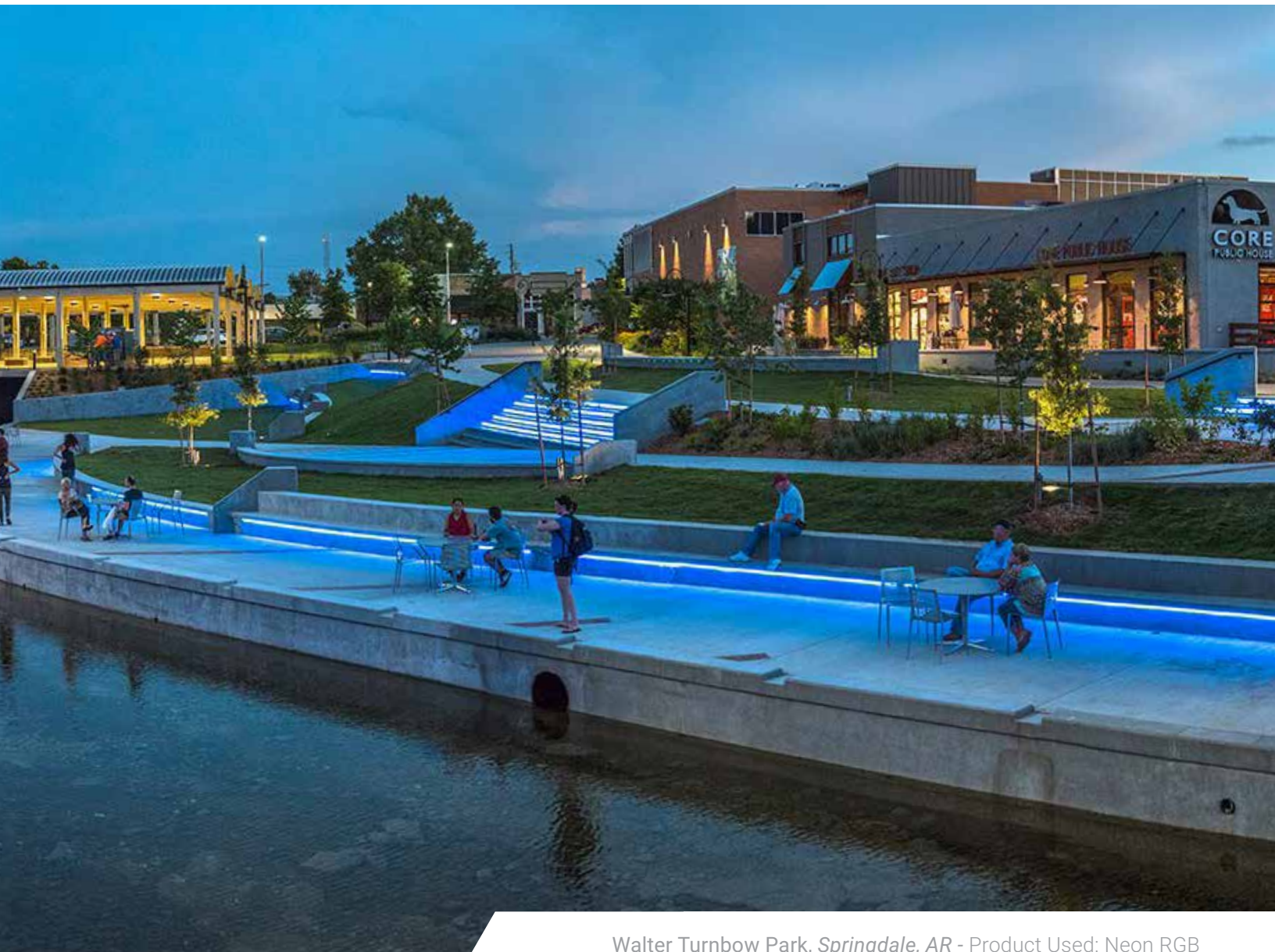
LED NEON

- 26 NEON ROUND SERIES
- 28 MINI NEON SERIES
- 30 AQUEOUS NEON SERIES

LED NEON



NEON ROUND SERIES *Architectural Grade*



Walter Turnbow Park, Springdale, AR - Product Used: Neon RGB

The Neon Round Series offers architectural-grade LED neon in multiple outputs and color options.

- UV, Chemical & Saltwater Resistant
- Single Bin Only: 3 Step MacAdam
- UL Certified



PHYSICAL & ELECTRICAL DATA

Voltage	24V
CRI	80+
Operating Temp	-15° to 140°F (-26° to 60°C)
Environment	Rugged IP68
Mounting	Clips / Channel (Required)





SERIES	PRODUCT CODE		LUMENS/FT	EFFICACY LM/W	WATTAGE/FT	MAX RUN	CUT MARKS
WHITE	NF-NEON-W-ROUND-24V-2700K		145	39	3.7	24.6 ft	3.28 in
	NF-NEON-W-ROUND-24V-3000K		130	35			
	NF-NEON-W-ROUND-24V-3500K		160	43			
	NF-NEON-W-ROUND-24V-5000K		155	42			
STATIC COLOR	NF-NEON-W-ROUND-24V-RED		53	24	3.7	24.6 ft	4.92 in
	NF-NEON-W-ROUND-24V-GREEN		90	24			3.28 in
	NF-NEON-W-ROUND-24V-BLUE		16	4			3.28 in
	NF-NEON-W-ROUND-24V-YELLOW		52	14			4.92 in
RGB/ DRGB	NF-NEON-W-ROUND-24V-RGB		10 - 40	2 - 12	3.7	24.6 ft	3.94 in
	NF-NEON-W-ROUND-24V-DRGB		10 - 40	2 - 12			4.92 in

LED NEON



APPLICATIONS

- Indoor / Outdoor
- Accent Direct Lighting
- Signage
- Theaters
- Hospitality
- Restaurants
- Recreational Areas



Right Side Lead



Bottom Side Lead



Left Side Lead



Back Side Lead

MINI NEON SERIES *Flexible*



ESI, Chicago, IL - Product Used: Mini Neon 2700K

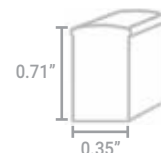
The Mini Neon Series offers architectural-grade LED neon with a tighter radius to allow more flexibility.

- UV, Chemical & Saltwater Resistant
- Single Bin Only: 3 Step MacAdam
- UL Certified



PHYSICAL & ELECTRICAL DATA

Voltage	24V
CRI	80+
Operating Temp	-15° to 140°F (-26° to 60°C)
Environment	Rugged IP68
Mounting	Clips / Channel (Required)





SERIES	PRODUCT CODE		LUMENS/FT	EFFICACY LM/W	WATTAGE/FT	MAX RUN	CUT MARKS
WHITE	NF-NEON-W-MINI-24V-2700K		27	19	1.4	49.2 ft	3.28 in
	NF-NEON-W-MINI-24V-3000K		27	19			
	NF-NEON-W-MINI-24V-3500K		30	22			
	NF-NEON-W-MINI-24V-5000K		30	22			
STATIC COLOR	NF-NEON-W-MINI-24V-RED		13	12	1.0	49.2 ft	4.92 in
	NF-NEON-W-MINI-24V-GREEN		24	22	1.4		3.28 in
	NF-NEON-W-MINI-24V-BLUE		5	4			
	NF/SP-NEON-W-MINI-24V-YELLOW*		15	14			



APPLICATIONS

- Indoor / Outdoor
- Accent Direct Lighting
- Signage
- Theaters
- Hospitality
- Restaurants

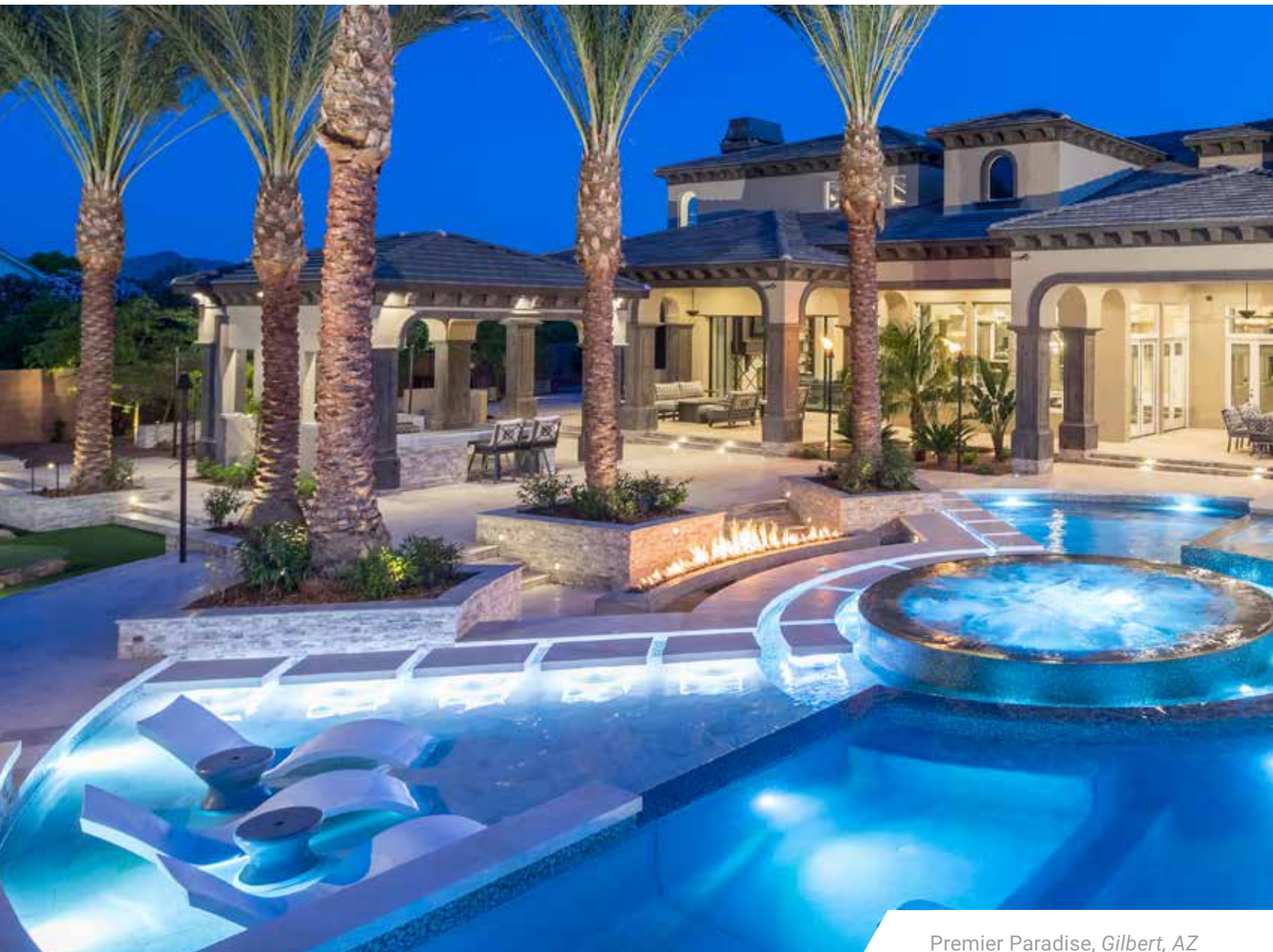


Lead Options Available:
Right Side, Left Side, Back Side and
Bottom Side Lead.



All RED and AMBER Round &
Mini Neon is Wildlife Lighting
Certified & Turtle Friendly.

AQUEOUS NEON SERIES *Submersible & Inhabitable*



Premier Paradise, Gilbert, AZ

The Aqueous Neon Series is certified to the highest standard, UL676, making it safe for use in swimming pools and other inhabitable bodies of water.

- Pool & Spa Rated UL 676
- Single Bin Only: 3 Step MacAdam
- UL Certified



PHYSICAL & ELECTRICAL DATA

Voltage	24V
CRI	80+
Operating Temp	-15° to 140°F (-26° to 60°C)
Environment	Rugged IP68* Inhabitable/Submersible
Mounting	Channel (Required)





SERIES	PRODUCT CODE		LUMENS/FT	EFFICACY LM/W	WATTAGE W/FT	MAX RUN	CUT MARKS
WHITE	NF-NEON-UW-24V-2700K*		153	44	3.4	26.2 ft	2.19 in
	NF-NEON-UW-24V-3000K*		164	49			
	NF-NEON-UW-24V-5000K*		151	45			
STATIC COLOR	NF-NEON-UW-24V-RED*		57	26	2.2	26.2 ft	3.28 in
	NF-NEON-UW-24V-GREEN*		155	46	3.4		2.19 in
	NF-NEON-UW-24V-BLUE*		25	7			



APPLICATIONS

- Indoor / Outdoor
- Pools / Spas
- Aquariums / Marinas
- Bridges / Docks



END CAP: 1.18 x 0.83 x 0.83 in



LEAD END: 1.97 x 0.83 x 0.83 in

Lead Options Available:
Right Side, Left Side, Back Side and
Bottom Side Lead.

NOTE: Cannot have jumpers within the ribbon. Only continuous runs.

521

23





CHANNELS

- 35 SURFACE
- 36 RECESSED
- 36 MUD-IN
- 36 BENDABLE
- 37 SPECIALTY

CHANNELS



SPIN, Chicago, IL - Product Used: Surface 2216, Digital RGB

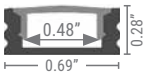
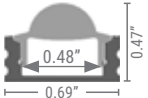
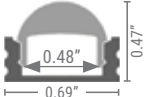
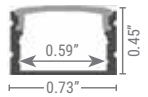
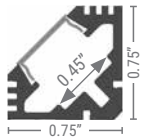
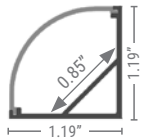
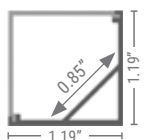
Nova Flex LED channels help achieve the perfect look for any application. Create a fixture, diffuse light with lenses, or add another level of protection. All orders include mounting clips and end caps. Our channels are stocked in anodized aluminum with other colors available as special order.

[Channel compatibility located on page 53.](#)

LIGHT LOSS

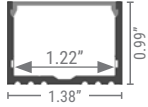
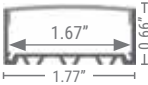
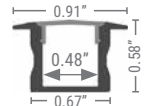
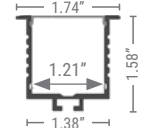
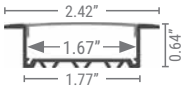
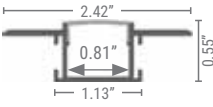
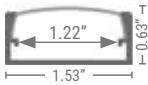
- (CL)** Clear (0% - 5%)
- (SF)** Soft (20% -30%)
- (SL)** Solid (50+%)

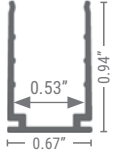
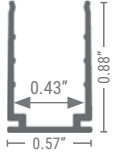
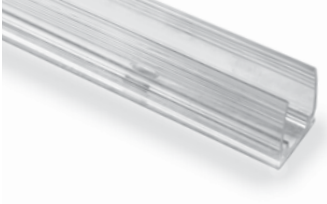
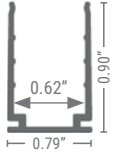
All lens are suitable for outdoor use with exposure to ultraviolet light and water in accordance to UL 746C.

PRODUCT IMAGE	PRODUCT CODE	MATERIAL	LENS TYPE	DIMENSIONS
	Surface 1707 NF-CH-1707-2M	Silver Anodized Aluminum	CL SF SL	 Height with Lens 0.3"
	Surface 1707 - 30° NF-CH-1707-C/CLEAR/30-2M	Silver Anodized Aluminum	CL	
	Surface 1707 - 60° NF-CH-1707-C/CLEAR/60-2M	Silver Anodized Aluminum	CL	
	Surface 1813 NF-CH-1813-2M	Silver Anodized Aluminum	CL SF	 Height with Lens 0.5"
	Surface 1919 NF-CH-1919-2M	Silver Anodized Aluminum	CL SF	
	Surface 2216 NF-CH-2216-2M	Silver Anodized Aluminum	CL SF SL	 Height with Lens 0.65"
	Surface 3030 - CR NF-CH-3030-C/CLEAR/CR-2M NF-CH-3030-C/SOFT/CR-2M	Silver Anodized Aluminum	CL SF	
	Surface 3030 - SQ NF-CH-3030-C/CLEAR/SQ-2M NF-CH-3030-C/SOFT/SQ-2M	Silver Anodized Aluminum	CL SF	

NOTE: Channel comes with soft lens unless otherwise requested.

CHANNELS

PRODUCT IMAGE	PRODUCT CODE	MATERIAL	LENS TYPE	DIMENSIONS
	Surface 3525 NF-CH-3525-2M	Silver Anodized Aluminum	CL SF	 Height with Lens 0.70"
	Surface 4517 NF-CH-4517-2M	Silver Anodized Aluminum	CL SF	 Height with Lens 0.70"
	Recessed 2515 NF-CH-2515-2M	Silver Anodized Aluminum	CL SF	 Height with Lens 0.61"
	Recessed 4540 NF-CH-4540-2M	Silver Anodized Aluminum	SF	 Height with Lens 0.69"
	Recessed 6017 NF-CH-6017-2M	Silver Anodized Aluminum	CL SF	 Height with Lens 0.69"
	Mud-In 6214 NF-CH-6214-2M	Silver Anodized Aluminum	CL SF	 Height with Lens 0.58"
	Bendable 1806 NF-CH-1806-2M	Silver Anodized Aluminum	CL SF	 Height with Lens 0.22"
	Bendable 3916 NF-CH-3916-2M	Silver Anodized Aluminum	CL SF	 Height with Lens 0.69"

PRODUCT IMAGE	PRODUCT CODE	MATERIAL	LENS TYPE	DIMENSIONS
	Channelless Lens NF-CH-2913-C/SOFT-1M	High Grade PMMA	SF	
	120V Self-Locking NF-CH-LINE-2M	Silver Anodized Aluminum	No Lens Available	
	Neon Round Channel & Clip NF-CH-NEON-ROUND-SL-2M NF-CH-NEON-ROUND-SL-CLIP	Silver Anodized Aluminum	No Lens Available	
	Mini Neon Channel & Clip NF-CH-NEON-MINI-SL-2M NF-CH-NEON-MINI-SL-CLIP	Silver Anodized Aluminum	No Lens Available	
	Aqueous Neon NF-CH-UW-1M NF-CH-UW-35MM	Plastic	No Lens Available	

DOTTING LEVELS

	1707	1813	1919	2216	3030	3525	4517	2515	4540	6017	6214	1806	3916	2913
DS 64	3	2	1	1	1	0	1	1	0	1	1	3	1	1
DS 128	2	1	1	0	0	0	1	0	0	1	1	3	1	0
DS 160	2	1	1	0	0	0	0	1	0	0	1	3	0	0
DS 240		1		0	0	0	0		0	1	1		1	0
H2	2	1	1	0	0	0	1	0	0	1	1	3	1	0
PRO 60	3	1	1	1	1	0	2	1	0	2	2	3	1	0
PRO 120	3	2	2	1	0	0	1	0	0	1	1	3	1	0
PRO 240		1		0	0	0	1		0	1	1		1	0

TESTED WITH SOFT LENS

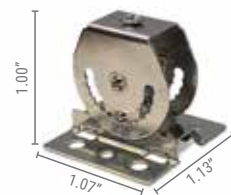


0 No Dotting

1 Slight Dotting

2 Blurred Dotting

3 Clear Dotting



Universal Adjustable Clip

NF-CH-UNV-CLIP/ADJ

Angles 0/15/30/45/60/75/90

The Universal Clip can be used with any of our channel options to create a custom look.





POWER, CONTROLS & ACCESSORIES

- 40 ELECTRONIC 0-10V DIMMABLE
- 41 E-SERIES MLV DIMMABLE
- 42 PLUG & PLAY
- 43 ELECTRONIC NON-DIMMING
- 44 S3I CONTROLS
- 48 LTECH CONTROLS
- 49 ADDITIONAL CONTROLS
- 50 ACCESSORIES

ELECTRONIC 0-10V DIMMABLE

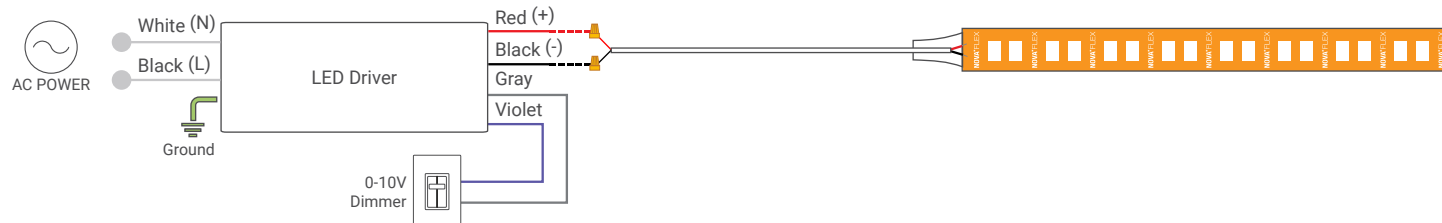


Lake Home, Pelican Lake, MN - Product Used: Pro 120 with 0-10V Driver & Dimmer

The 0-10V Dimmable LED 24V Driver offers smooth, flicker-free dimming down to 0.1% for static LEDs when paired with a 0-10V dimmer. Designed for both indoor and outdoor commercial, industrial and residential applications, it's IP65 rated with overload protection and auto-reset protection for short circuit & over-temperature.

PRODUCT CODE	PRODUCT IMAGE	WATTAGE	INPUT CURRENT	INPUT VOLTAGE	OPERATING TEMP	DIMENSIONS	SAFETY RATINGS
NF-PS-96W-24V-0/10V		96W	0.96A Max	120 - 277 VAC	-13° to 104°F (-25° to 40°C)	11.40 x 2.36 x 1.40 in	UL8750 Class 2 Class P

WIRING DIAGRAM

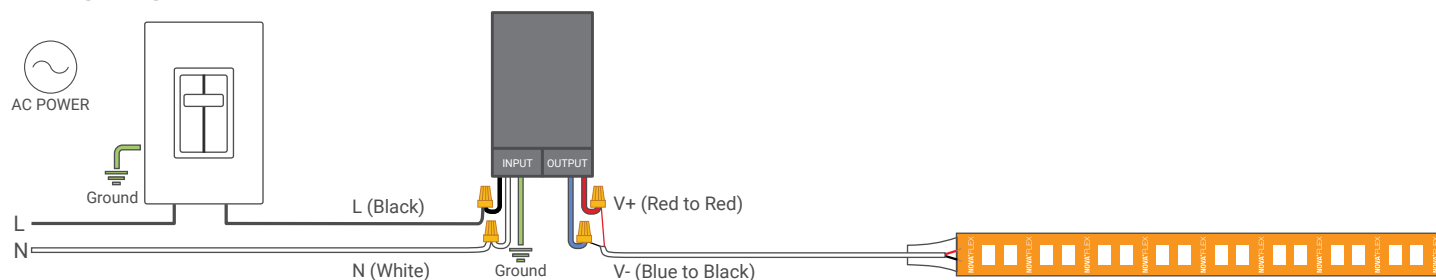


E-SERIES MLV DIMMABLE

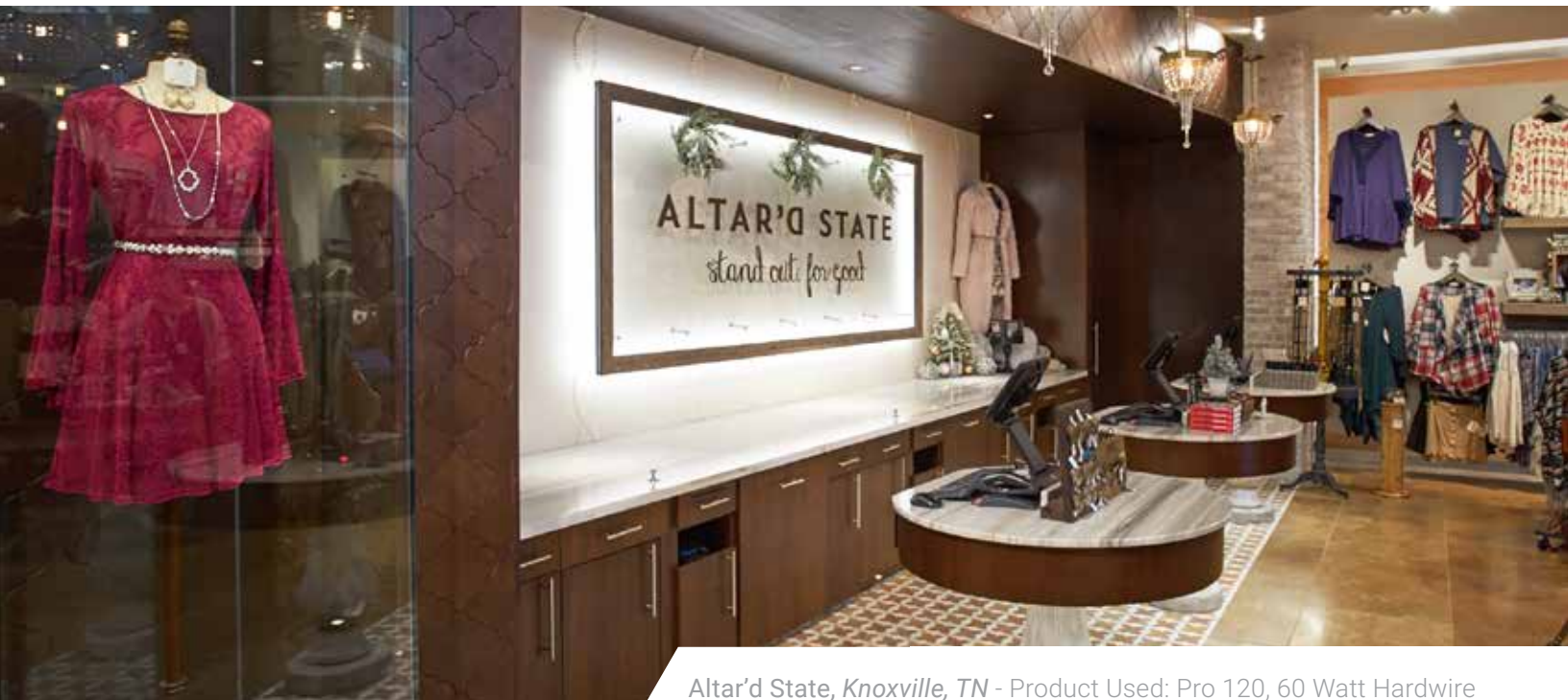
All of our E-Series Power Supplies are UL approved and are dimmable using MLV/Triac dimmers.

PRODUCT CODE	PRODUCT IMAGE	WATTAGE	OUTPUT CURRENT	INPUT VOLTAGE	OPERATING TEMP	DIMENSIONS	SAFETY RATING
NF-PS-E20L24		20W	0.87A	120 VAC	-22° to 122°F (-30° to 50°C)	6.77 x 2.67 x 1.26 in	UL8750 Class 2 Nema 3R
NF-PS-E40L24		40W	1.75A				
NF-PS-E60L24		60W	2.63A				
NF-PS-E75L24		75W	3.30A				
NF-PS-E96L24		96W	4.00A				
NF-PSEZJ192L24		2 X 96W	2.67A	120 VAC	-4° to 122°F (-20° to 50°C)	11.0 x 12.0 x 2.13 in	UL Approved Class 2
NF-PSEZJ288L24		3 x 96W	4.00A				

WIRING DIAGRAM



PLUG & PLAY

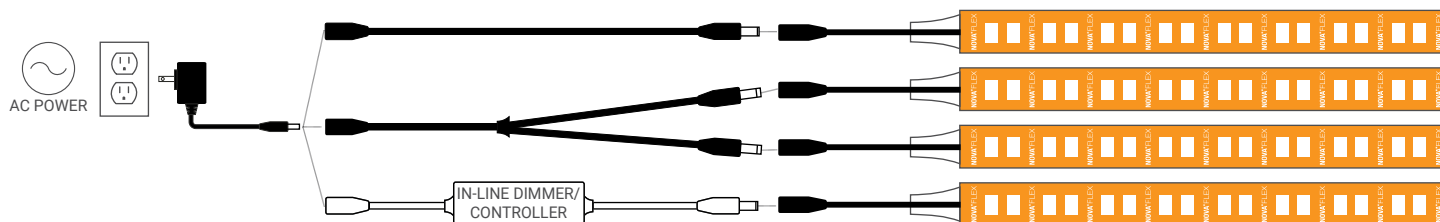


Altar'd State, Knoxville, TN - Product Used: Pro 120, 60 Watt Hardwire

The 24V Plug & Play power supplies are for indoor use only and dimmable using our S3i control series.

PRODUCT CODE	PRODUCT IMAGE	WATTAGE	INPUT CURRENT	INPUT VOLTAGE	OPERATING TEMP	DIMENSIONS	SAFETY RATING
NF-PS-12W-24V-WM		12W	0.25A Max	100 - 240 VAC	0° to 140°F (0° to 40°C)	2.71 x 1.07 x 1.49 in	UL Approved Class 2
NF-PS-24W-24V-WM		24W	0.5A Max			3.06 x 1.79 x 1.28 in	
NF-PS-24W-24V-TT		24W	0.5A Max	100 - 240 VAC	0° to 140°F (0° to 40°C)	3.55 x 1.64 x 1.24 in	UL Approved Class 2
NF-PS-36W-24V-TT		36W	0.9A Max			4.20 x 1.84 x 1.17 in	
NF-PS-60W-24V-TT		60W	1.5A Max			4.56 x 2.08 x 1.31 in	
NF-PS-100W-24V-TT		100W	4.0A Max			5.95 x 2.27 x 1.44 in	

WIRING DIAGRAM

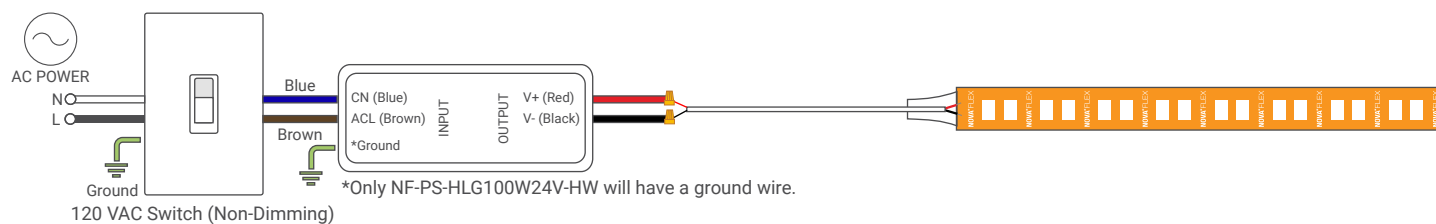


ELECTRONIC NON-DIMMING

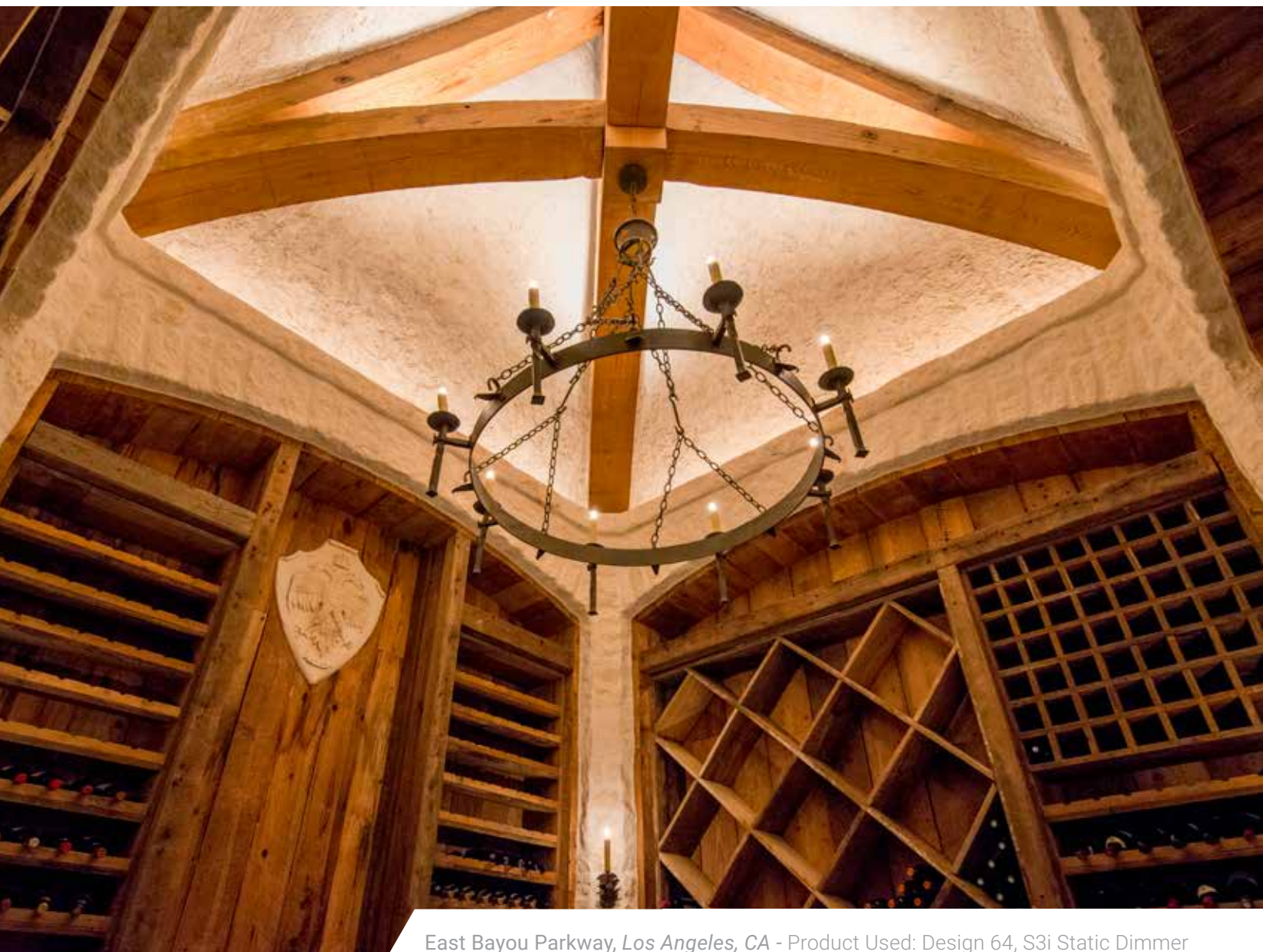
Our Electronic Non-Dimming drivers offer constant voltage and are dimmable using a 0-10V dimming module or our S3i Series controllers.

PRODUCT CODE	PRODUCT IMAGE	WATTAGE	CURRENT	INPUT VOLTAGE	OPERATING TEMP	DIMENSIONS	SAFETY RATING
NF-PS-35W-24V-HW		35W	Input 1.1A Max Output 1.5A / 24V	100 - 240 VAC	-22° to 149°F (-30° to 65°C)	5.83 x 1.57 x 1.18 in	UL Approved Class 2
NF-PS-60W-24V-HW		60W	Input 1.2A Max Output 2.5A / 24V	100 - 240 VAC	-22° to 158°F (-30° to 70°C)	6.40 x 1.67 x 1.26 in	UL Approved Class 2
NF-PS-96W-24V		96W	Input 0.96A Max Output 4.1A / 24V	120 - 277 VAC	-13° to 104°F (-25° to 40°C)	11.4 x 2.36 x 1.40 in	UL Approved Class 2
NF-PS-HLG100W24V-HW		100W	Input 1.2A Max Output 4.0A / 24V	100 - 277 VAC	-22° to 167°F (-30° to 75°C)	8.63 x 2.67 x 1.53 in	UL Approved Class 2

WIRING DIAGRAM



S3i CONTROL SERIES



East Bayou Parkway, Los Angeles, CA - Product Used: Design 64, S3i Static Dimmer

The S3i Control Series is Smart, Simple and Seamless. Controls are available in full glass in-wall touch panels, wireless hand-held remotes, push button wall mounts, and WiFi controls via a Mobile App that all sync with one wireless receiver offering both on/off, color control, and dimming functions without any flickering.



S3i WIRELESS RECEIVER NF-S3i-WR-1009

Input Voltage	12 - 36V DC
Output Current	4CH, 5A/CH
Output Power	240 - 720W
Dimension	7.00 x 1.81 x 0.71 in

NOTE: Pair with NF-A-UNV for a complete system, located on page 49.

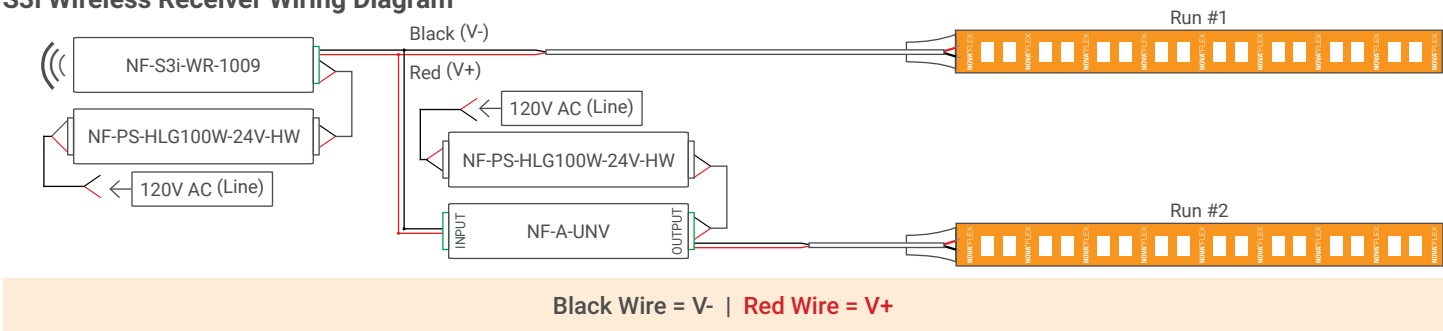
PRODUCT CODE	PRODUCT IMAGE
S3i TOUCH STATIC DIMMER NF-S3i-TP-D Controls up to 4 zones	
S3i TOUCH ADJUSTABLE DIMMER NF-S3i-TP-AS Controls up to 4 zones	
S3i TOUCH RGB DIMMER NF-S3i-TP-RGB Controls up to 4 zones	
S3i TOUCH RGBW DIMMER NF-S3i-TP-RGBW Controls 1 zone	
S3i ROTARY WALL DIMMER NF-S3i-RC-D Controls 1 zone Battery Operated (Included)	

PHYSICAL & ELECTRICAL DATA	
Voltage	12 - 24V - Excludes NF-S3i-RC-D
Power Consumption	200 mA
Operating Temp	32° to 104°F (0° to 40°C)
Dimming Range	0 - 100%
Dimension	4.72 x 2.95 x 1.61 in
Requires S3i Receiver: NF-S3i-WR-1009	



POWER / CONTROLS

S3i Wireless Receiver Wiring Diagram



S3i CONTROL SERIES *continued*

PRODUCT CODE

PRODUCT IMAGE

PHYSICAL & ELECTRICAL DATA

**S3i HANDHELD
STATIC DIMMER**
NF-S3i-WC-D
Controls up to 6 zones



**S3i HANDHELD
ADJUSTABLE DIMMER**
NF-S3i-WC-AS
Controls up to 6 zones



**S3i HANDHELD
RGB/W DIMMER**
NF-S3i-WC-RGB/W
Controls up to 6 zones



Power

Battery - 3 AAA

Operating Temp

32° to 104°F (0° to 40°C)

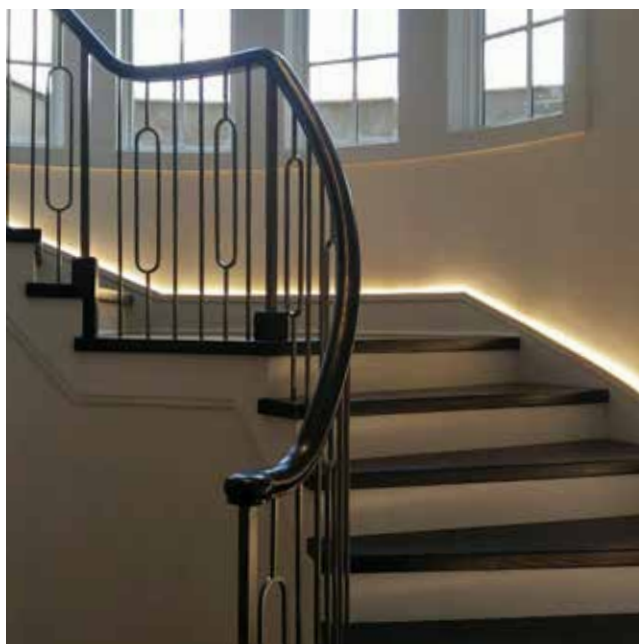
Dimming Range

0 - 100%

Dimension

5.51 x 1.89 x 0.67 in

Requires S3i Receiver: NF-S3i-WR-1009



SERIES	PRODUCT IMAGE
S3i PUSH BUTTON WALL MOUNT STATIC DIMMER NF-S3i-PB-D Controls 1 zone	
S3i PUSH BUTTON WALL MOUNT ADJUSTABLE DIMMER NF-S3i-PB-AS Controls 1 zone	
S3i PUSH BUTTON WALL MOUNT RGB/W DIMMER NF-S3i-PB-RGB/W Controls 1 zone	

PHYSICAL & ELECTRICAL DATA

Power	3V(CR2025 Battery)
Operating Temp	32° to 104°F (0° to 40°C)
Dimming Range	0 - 100%
Dimension	2.59 x 1.28 x 0.35 in
Requires S3i Receiver: NF-S3i-WR-1009	



S3i WIFI RF CONVERTER NF-S3i-WC-WIFI

Output	RF Signal
Operating Frequency	2.4G
Dimension	3.35 x 4.33 x 0.95 in
Controls up to 8 zones	
Requires S3i Receiver: NF-S3i-WR-1009	



Download application from the "App Store" or "Google Play" by searching "Easy Lighting"



LT CONTROL SERIES

The LT Control Series is an economical remote and receiver option to control a variety of LED options.

RECEIVER

Voltage	12 - 24V DC
Power Capacity	216W (24V)
Operating Temp	-22° to 131°F
Dimension	5.31 x 1.18 x 0.79 in
Compatible with 6 different remote functions	

REMOTE

Voltage	3V
Working Frequency	433.92 MHz
Remote Distance	98 ft
Dimension	4.09 x 2.28 x 0.35 in
Automatic sleep mode to extend battery life	
Battery Operated: Included	



PRODUCT CODE

PRODUCT IMAGE

STATIC DIMMER
NF-WC-D
Controls 1 zone



RGB DIMMER
NF-WC-RGB
Controls 1 zone



RGBW DIMMER
NF-WC-RGBW
Controls 1 zone



DIGITAL RGB
NF-WC-MINI-DRGB
Controls 1 zone



ADDITIONAL CONTROL OPTIONS

PRODUCT CODE	PRODUCT IMAGE	PHYSICAL & ELECTRICAL DATA	
UNIVERSAL AMPLIFIER NF-A-UNV		Input Voltage	12 - 36V DC
		Input Signal	PWM
		Max Load Current	4CH, 5A/CH
		Max Output Power	240 - 720W
		Operating Temp	-4° to 122°F (-20° to 50°C)
		Dimension	4.17 x 2.09 x 2.56 in
LED DMX DECODER NF/SP-DMX-5A- 4CH		Input Voltage	12 - 24V DC
		Max Output Power	480W
		Max Load Current	20A (5 Amps/4 Channel)
		Protection	Short Circuit / Over Load Recover Automatically
		Control Method	DMX512 RJ45
		Operating Temp	-22° to 149°F (-30° to 65°C)
		Dimension	6.89 x 1.65 x 1.30 in
DMX-SPI PIXEL DECODER NF-DMX-Pixel- Decoder		Input Signal	DMX512
		Input Voltage	5 - 24V DC
		Output Signal	SPI (Compatible with WS2811/2812, UCS1903/1909/1912/2903/2909/2912, TM1803/1804/1809/1812 driving IC)
		Decoding Channels	512 Channels/Unit
		Dimming Range	0 - 100%
		Operating Temp	-22° to 149°F (-30° to 65°C)
		Dimension	4.92 x 2.52 x 1.57 in
0-10V - 12/24V DIMMER NF-D-0/1-10V		Input Signal	0-10V, 1-10V, 10V PWM, Push Button
		Input Voltage	12 - 24V DC
		Max Load Current	10A x 1CH Max 10A
		Max Output Power	120W/288W (12V/24V)
		Dimming Range	0 - 100%
		Operating Temp	-22° to 149°F (-30° to 65°C)
		Dimension	4.49 x 1.38 x 2.64 in

ACCESSORIES

SERIES

PRODUCT IMAGE

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 & 10ft



MALE TO FEMALE QUICK CONNECT EXTENSION NF-C-MF

Available Lengths:
3ft, 6ft & 10ft



FEMALE QUICK CONNECT TO HARDWIRE ADAPTER NF-C-F/HW

Dimensions:
1.5 x 0.5 x 0.5 in



HARD CLIPS 20 PER PACK NF-CLIPS-H

Dimensions:
1.125 x 0.25 in

Clips add 0.125" to
height of lights



SERIES

PRODUCT IMAGE

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



MALE QUICK CONNECT TO HARDWIRE ADAPTER NF-C-M/HW

Dimensions:
1.5 x 0.5 x 0.5 in



SOFT CLIPS 20 PER PACK NF-CLIPS-S

Dimensions:
1.125 x 0.25 in

Clips add 0.125" to
height of lights





RESOURCES

- 52 PRODUCT GUIDE
- 53 CHANNEL COMPATIBILITY
- 54 VOLTAGE DROP CHART

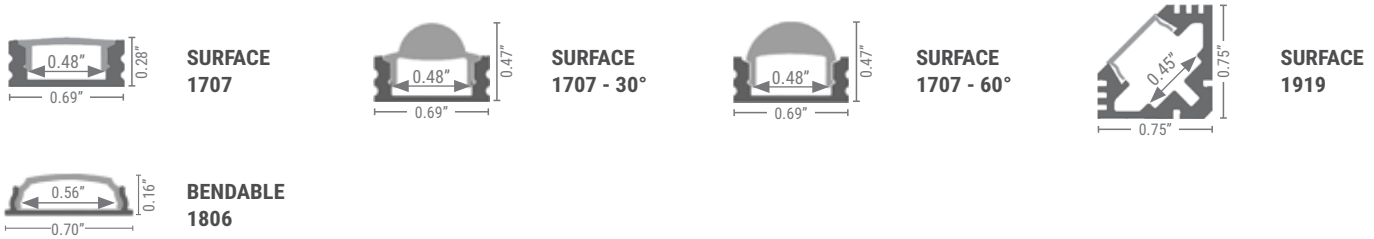
PRODUCT GUIDE

		DESIGN				H2	PRO			120V	NEON			ADJUSTABLE		
		64	128	160	240	128	60	120	240	FLEX LINE	ROUND	MINI	AQUEOUS	DS 128	DS 160	PRO 120
MAX RUN (ft)	ALL CCT	31.0	22.9	18.0	13.8	13.5	48.8	30.3	15.4	164.0	24.6	49.2	26.2	16.0	13.1	16.4
CUT LENGTH (in)	ALL CCT	4.92	2.46	1.97	1.31	2.46	3.93	1.96	0.98	7.87	3.28	3.28	2.19	2.46	3.93	3.93
WATTAGE (w/ft)	ALL CCT	2.4	3.6	4.4	6.6	6.7	1.5	3.0	5.9	3.7	3.7	1.4	3.4	1.6 - 3.7	2.1 - 4.5	1.5 - 3.0
LUMENS (lm/ft)	2200K	164	205	272	444	x	x	x	x	x	x	x	x	109 - 272 (2100K-5400K)	138-343 (2100K-5400K)	90 - 184 (3000K-5000K)
	2500K	224	234	326	588	697	x	x	x	x	x	x	x			
	2700K	309	316	424	577	771	94	214	384	309	145	27	153			
	3000K	256	322	397	577	759	115	210	368	307	130	27	164			
	3225K	x	x	x	x	x	103	197	417	x	x	x	x			
	3500K	255	328	407	554	898	x	x	x	333	160	30	x			
	4000K	x	x	x	x	x	x	x	x	325	x	x	x			
	4100K	243	312	411	581	935	101	212	421	x	x	x	x			
	5000K	x	x	x	x	x	x	x	x	337	155	30	x			
	5500K	259	316	384	605	782	92	208	407	x	x	x	x			
	5700K	x	x	x	x	x	x	x	x	x	x	x	151			
	6200K	x	x	x	x	x	87	172	381	x	x	x	x			
	6500K	x	x	x	x	x	x	x	x	334	x	x	x			
EFFICACY (lm/w)	2200K	68	57	62	67	x	x	x	x	x	x	x	x	68 - 74 (2100K-5400K)	65 - 84 (2100K-5400K)	30 - 61 (3000K-5000K)
	2500K	93	65	74	85	104	x	x	x	x	x	x	x			
	2700K	129	88	96	87	115	63	71	65	84	39	19	44			
	3000K	107	89	90	87	113	77	70	62	84	35	19	49			
	3225K	x	x	x	x	x	67	66	71	x	x	x	x			
	3500K	106	91	93	84	134	x	x	x	91	43	22	x			
	4000K	x	x	x	x	x	x	x	x	89	x	x	x			
	4100K	101	87	93	88	140	67	71	71	x	x	x	x			
	5000K	x	x	x	x	x	x	x	x	92	42	22	x			
	5500K	108	88	87	92	117	61	69	69	x	x	x	x			
	5700K	x	x	x	x	x	x	x	x	x	x	x	45			
	6200K	x	x	x	x	x	58	57	65	x	x	x	x			
	6500K	x	x	x	x	x	x	x	x	91	x	x	x			

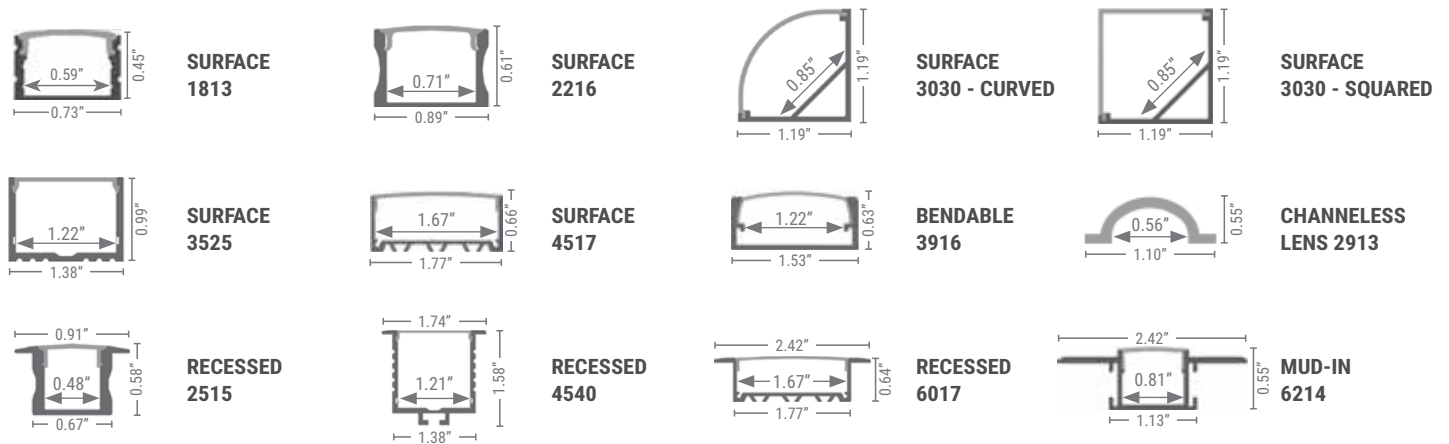
CHANNEL COMPATIBILITY

All channels available in aluminum, additional colors available as special order. Refer to website for IP68 compatibility.

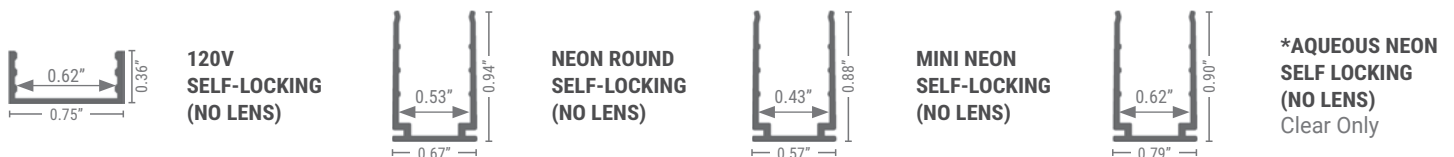
CHANNEL OPTIONS THAT FIT DESIGN (64, 128, 160) H2, PRO (60, 120) & STATIC COLOR (60,120)



CHANNEL OPTIONS THAT FIT ALL LED RIBBON



120V & NEON CHANNELS



DOTTING LEVELS

	1707	1813	1919	2216	3030	3525	4517	2515	4540	6017	6214	1806	3916	2913
DS 64	3	2	1	1	1	0	1	1	0	1	1	3	1	1
DS 128	2	1	1	0	0	0	1	0	0	1	1	3	1	0
DS 160	2	1	1	0	0	0	0	1	0	0	1	3	0	0
DS 240		1		0	0	0	0		0	1	1		1	0
H2	2	1	1	0	0	0	1	0	0	1	1	3	1	0
PRO 60	3	1	1	1	1	0	2	1	0	2	2	3	1	0
PRO 120	3	2	2	1	0	0	1	0	0	1	1	3	1	0
PRO 240		1		0	0	0	1		0	1	1		1	0

TESTED WITH SOFT LENS



VOLTAGE DROP CHART

Voltage drop is the amount of voltage loss that occurs in wire due to resistance. It is important to calculate drop when configuring your LED system. This is done as a standard practice when requesting a quote. Using the incorrect gauge wire can lead to issues such as flickering, light loss and altered color temp. The chart below shows an approximation of gauge wire needed for a 100W system.

24 VOLT STATIC RIBBON & NEON

WIRE MATERIAL	# OF CONDUCTORS	AMPS	VOLTAGE	PHASE	WIRE GAUGE	MAX DISTANCE (FT)	VOLTAGE LOSS
Copper	2	4	24	DC	20*	29	4.91%
					18	47	5.00%
					17	59	4.98%
					16	75	5.02%
					15	94	4.99%
					14	119	5.01%
					13	150	5.01%
					12	189	5.00%
					11	238	5.00%
					10	300	4.98%

24 VOLT RGB RIBBON & NEON

WIRE MATERIAL	# W CONDUCTORS	AMPS	VOLTAGE	PHASE	WIRE GAUGE	MAX DISTANCE (FT)	VOLTAGE LOSS
Copper	4	4	24	DC	20*	59	4.99%
					18	86	4.52%
					17	115	4.85%
					16	150	5.02%
					15	185	4.91%
					14	230	4.84%
					13	285	4.76%
					12	360	4.76%
					11	445	4.67%
					10	550	4.58%

*20 Gauge not used for Neon

This chart gives general guidelines for determining wire gauge based on total distance from driver to LED ribbon.

CONTACT US

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