

NEON APEX DUAL

The Neon Apex Dual is a unique flexible LED neon fixture that offers both top-bending and side-bending capabilities. Create stunning neon lines that curve around difficult shapes! Available in four brilliant Static White CCTs, Variable White, Warm Dim, color changing RGBW and Pixel programmable RGBW.

- Top-bending AND side-bending LED neon
- Rated IP67 for dry, damp and wet locations
- 120° beam angle
- Max length: 32 ft 9.7 in. (10 m)
- Static White (2700K, 3000K, 3500K, 4000K):
5.3 W/ft (17.28 W/m)
363.4 lm/ft (1192 lm/m), 69 lm/W at 4000K
- Variable White (2700K-6000K):
4.4 W/ft (14.4 W/m)
219.5 lm/ft (720 lm/m), 50 lm/W all on
- Warm Dim (1800K-3500K):
4.4 W/ft (14.4 W/m)
Up to 106.7 lm/ft (350 lm/m), 24.3 lm/W all on
- RGBW (2700K, 3000K, 3500K, 4000K):
6.0 W/ft (19.58 W/m)
179 lm/ft (587 lm/m), 30 lm/W all on with RGBW (4000K)
- Pixel RGBW (2700K, 3000K, 3500K, 4000K):
5.5 W/ft (18 W/m)
109.8 lm/ft (360 lm/m), 20 lm/W all on with RGBW (4000K)
Pixel length: 1.97 in. (50 mm)
IC type: UCS7604



ORDERING GUIDE

Category	Wattage & Color	Power Feed Direction
NLAD		
NLAD - Neon Apex Dual	5.327 - 5.3 W/ft (17.28 W/m) 2700K 5.330 - 5.3 W/ft (17.28 W/m) 3000K 5.335 - 5.3 W/ft (17.28 W/m) 3500K 5.340 - 5.3 W/ft (17.28 W/m) 4000K 6.0RGB27 - 6.0 W/ft (19.58 W/m) RGB+White (2700K) 6.0RGB30 - 6.0 W/ft (19.58 W/m) RGB+White (3000K) 6.0RGB35 - 6.0 W/ft (19.58 W/m) RGB+White (3500K) 6.0RGB40 - 6.0 W/ft (19.58 W/m) RGB+White (4000K)	4.4WD - 4.4 W/ft (14.4 W/m) Warm Dim (1800K-3500K) 4.4VW - 4.4 W/ft (14.4 W/m) Variable White (2700K-6000K) 5.5RGB27ADD - 5.5 W/ft (18 W/m) Pixel RGB+White (2700K) 5.5RGB30ADD - 5.5 W/ft (18 W/m) Pixel RGB+White (3000K) 5.5RGB35ADD - 5.5 W/ft (18 W/m) Pixel RGB+White (3500K) 5.5RGB40ADD - 5.5 W/ft (18 W/m) Pixel RGB+White (4000K)
		E - End Feed B - Bottom Feed S - Side Feed

MOUNTING OPTIONS

Stainless Steel Mounting Clip
Recommended for curved applications with 6 in. (150 mm) center-to-center spacing (Part #: NLADCLIPSS)

Aluminum Mounting Clip
Recommended for curved applications with 6 in. (150 mm) center-to-center spacing (Part #: NLADCLIP)

Aluminum Mounting Channel
Recommended for all straight run applications Sold by the foot, up to 39.37 in. / 1000 mm (Part #: NLADCHANNEL)

Recessed Aluminum Mounting Clip
Recommended for recessed, curved applications with 6 in. (150 mm) center-to-center spacing (Part #: NLADCLIPR)

Recessed Aluminum Mounting Channel
Recommended for recessed, straight applications Sold by the foot, up to 39.37 in. / 1000 mm (Part #: NLADCHANNELR)

S-type Track
Recommended for curved applications Sold by the foot, up to 19.69 in. / 500 mm (Part #: NLADCHANNELS)

AVAILABLE COLOR TEMPERATURES

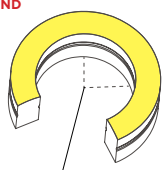


SPECIFICATIONS

SPECIFICATIONS	NEON APEX DUAL				
Operating Voltage	24 VDC				
Protection Rating	IP67				
Beam Angle	120°				
Color Temperatures / Colors	2700K, 3000K, 3500K, 4000K	Variable White (2700K-6000K)	Warm Dim (1800K-3500K)	RGBW (2700K, 3000K, 3500K, 4000K)	Pixel RGBW (2700K, 3000K, 3500K, 4000K)
Power Consumption	5.3 W/ft (17.28 W/m)	4.4 W/ft (14.4 W/m)	4.4 W/ft (14.4 W/m)	6.0 W/ft (19.58 W/m)	5.5 W/ft (18 W/m)
Lumens	363.4 lm/ft (1192 lm/m) @ 4000K	219.5 lm/ft (720 lm/m) all on	Up to 106.7 lm/ft (350 lm/m)	179 lm/ft (587 lm/m) all on @ RGBW (4000K)	109.8 lm/ft (360 lm/m) all on @ RGBW (4000K)
Efficacy	69 lm/W	50 lm/W	24.3 lm/W	30 lm/W	20 lm/W
LED Pitch	36 LEDs/ft (120 LEDs/m)	20 LEDs/ ft (168 LEDs/m)	20 LEDs/ ft (168 LEDs/m)	21 LEDs/ft (72 LEDs/m)	18 LEDs/ft (60 LEDs/m)
IC Type	--	--	--	--	UCS7604
Incremental Length (NOT FIELD CUTTABLE)	0.66 in. (16.67 mm)	0.94 in. (23.81 mm)	0.94 in. (23.81 mm)	1.64 in. (41.67 mm)	1.97 in. (50 mm)
Min. Top Bending Radius	3.94 in. (100 mm)	3.94 in. (100 mm)	3.94 in. (100 mm)	5.91 in. (150 mm)	5.91 in. (150 mm)
Min. Side Bending Radius	5.91 in. (150 mm)	9.84 in. (250 mm)	9.84 in. (250 mm)	15.75 in. (400 mm)	15.75 in. (400 mm)
Max Length	32 ft 9.7 in. (10 m)				
Dimming	ELV / MLV / 0-10 Volt / DMX / SPI				
Operating Temperature	-4 – 140 °F (-20 – 60 °C)				
Storage Temperature	-4 – 158 °F (-20 – 70 °C)				
Lifetime (L70 reported)	50,000 hours				
Power Cable Length	Standard: 12 in (304.8 mm) / Custom: up to 20 ft (6 m)				
UV Resistant	UV tested in accordance with ISO 4892-3 with no visible change on the appearance of the sample				
Warranty	5 years				

WARNINGS

- DO NOT OVER BEND**

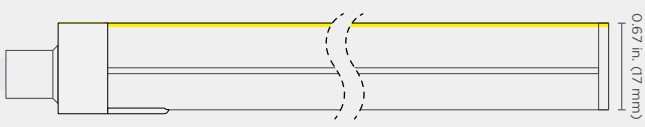
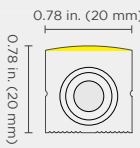
Min. top bending radius
 Static White: 3.94 in. (100 mm)
 Variable White: 3.94 in. (100 mm)
 Warm Dim: 3.94 in. (100 mm)
 RGBW: 5.91 in. (150 mm)
 Pixel RGBW: 5.91 in. (150 mm)
- DO NOT TWIST OR DISTORT**

Min. side bending radius
 Static White: 5.91 in. (150 mm)
 Variable White: 9.84 in. (250 mm)
 Warm Dim: 9.84 in. (250 mm)
 RGBW: 15.75 in. (400 mm)
 Pixel RGBW: 15.75 in. (400 mm)
- DO NOT THROW OR PULL**

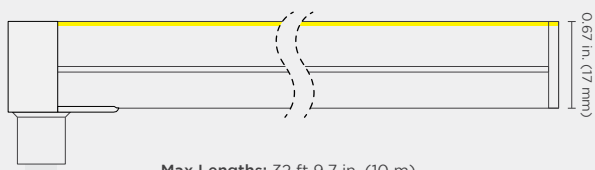
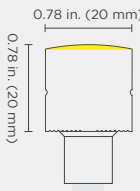

USAGE GUIDELINES

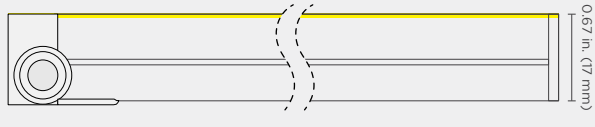
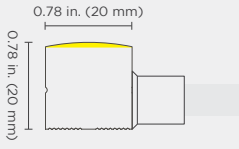
- Neon Apex Dual cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a void warranty.
- When installing this product, consider the surface temperature of the material where it will be mounted. Many building surfaces which are exposed to direct sunlight exceed the 140 °F (60 °C) maximum for which this product is rated. High-risk locations like this should be avoided.
- This product can be used in wet, outdoor locations, but is not intended to be submerged in pools and fountains and does not carry UL 676 certification for submersion.
- Compatible with a wide variety of controls.
- For use with Acolyte drivers, Triac dimming modules, and 0-10 V modules.
- Use with non-Acolyte Triac, MLV or ELV drivers is not supported or warranted.
- Due to the cuttable points inside, this product's cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, this product is factory cut at the shorter cuttable point.

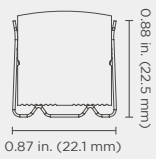
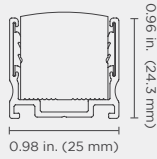
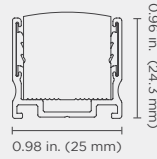
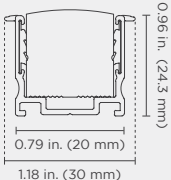
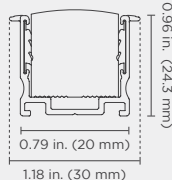
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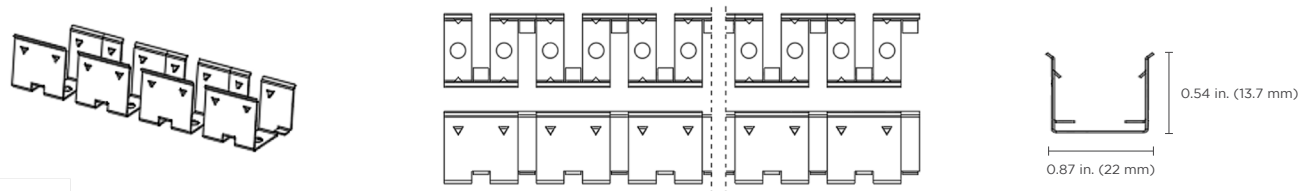
DIMENSIONS / DIAGRAMS

NEON APEX DUAL	
End Feed - Side View  Max Lengths: 32 ft 9.7 in. (10 m)	End Feed - End View  Width: 0.78 in. (20 mm) Height: 0.78 in. (20 mm)

Bottom Feed - Side View  Max Lengths: 32 ft 9.7 in. (10 m)	Bottom Feed - End View  Width: 0.78 in. (20 mm) Height: 0.78 in. (20 mm)
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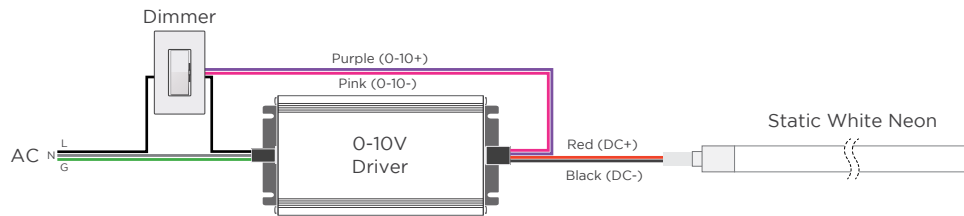
Side Feed - Side View  Max Lengths: 32 ft 9.7 in. (10 m)	Side Feed - End View  Width: 0.78 in. (20 mm) Height: 0.78 in. (20 mm)
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Stainless Steel Mounting Clip	Aluminum Mounting Clip	Aluminum Mounting Channel	Recessed Aluminum Mounting Clip	Recessed Aluminum Mounting Channel
Recommended for curved applications with 6 in. (150 mm) on center spacing.	Recommended for curved applications with 6 in. (150 mm) on center spacing.	Recommended for all straight run applications.	Recommended for recessed, curved applications with 6 in. (150 mm) on center spacing.	Recommended for recessed, straight run applications.
Part #: NLADCLIPSS	Part #: NLADCLIP	Part #: NLADCHANNEL	Part #: NLADCLIPR	Part #: NLADCHANNELR
 Length: 0.98 in. (35 mm)	 Length: 0.98 in. (35 mm)	 Length: 39.37 in. (1 m)	 Length: 0.98 in. (35 mm)	 Length: up to 39.37 in. (1 m)

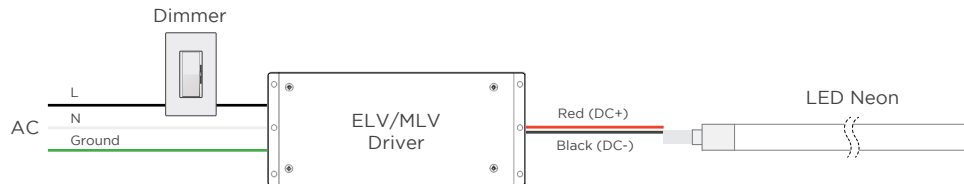
S-TYPE TRACK	
Recommended for curved applications Sold by the foot, up to 39.7 in. (1 m) (Part #: NLADCHANNELS) 	

WIRING DIAGRAMS - STATIC WHITE, WARM DIM & RGBW / USAGE GUIDELINES

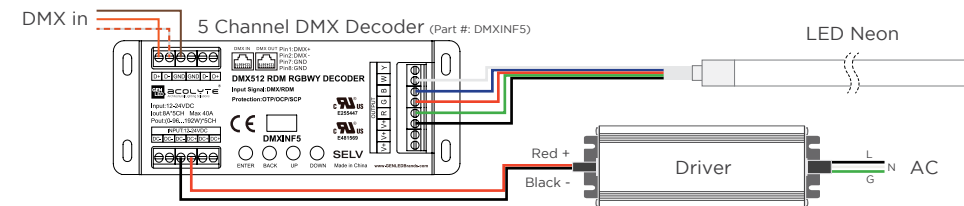
0-10V



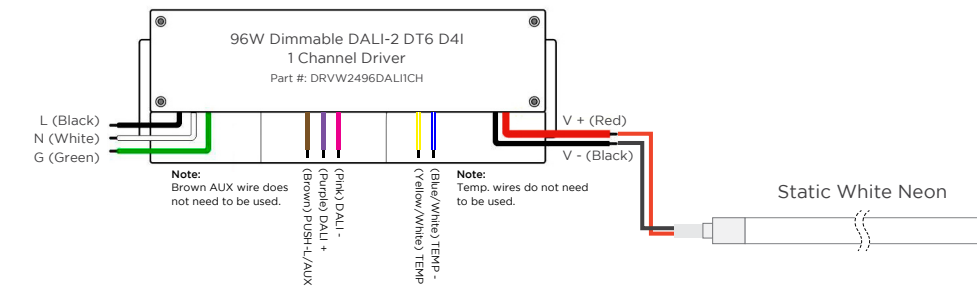
MLV / ELV



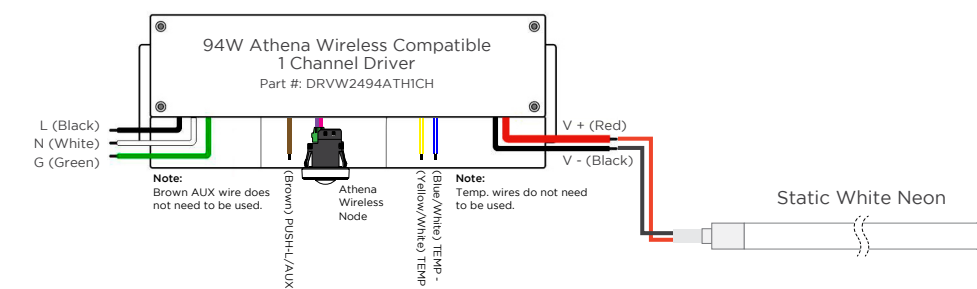
DMX



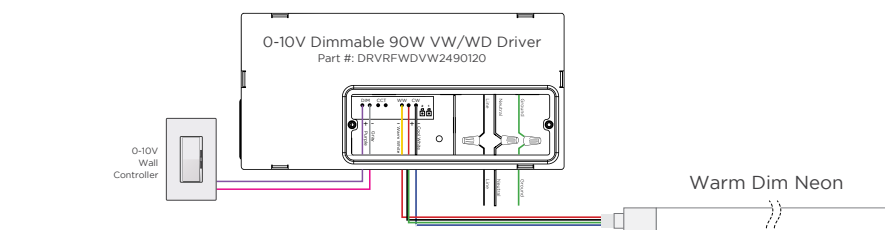
DALI-2 WIRING WITH STATIC WHITE NEON APEX



STATIC WHITE NEON APEX WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



WARM DIM



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE

Red Wire (+) Positive
Black Wire (-) Negative

RGBW

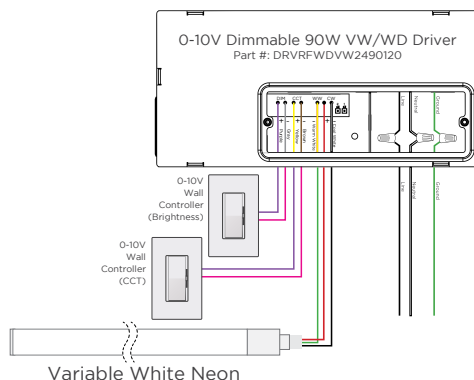
White Wire (+) Positive
Red Wire (-) goes to Red Channel
Green Wire (-) goes to Green Channel
Blue Wire (-) goes to Blue Channel
Grey Wire (-) goes to White Channel

WARM DIM

Red Wire (-) goes to Warm White Channel
Blue Wire (-) goes to Cool White Channel
Black Wire (+) goes to Warm White Channel
Green Wire (+) goes to Cool White Channel

WIRING DIAGRAMS - VARIABLE WHITE

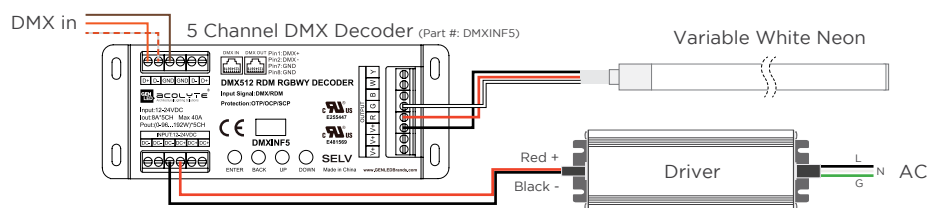
2-CHANNEL VARIABLE WHITE DIMMING



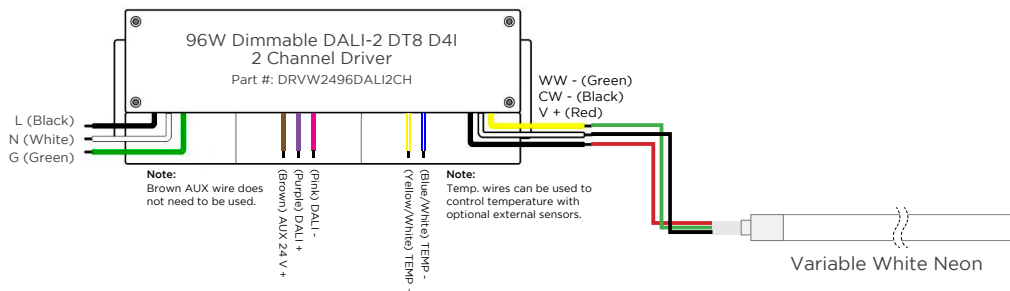
WIRE COLORS PER RIBBONLYTE COLOR

VARIABLE WHITE
Red Wire (+) Positive
Green Wire (-) goes to Warm White Channel
Black Wire (-) goes to Cool White Channel

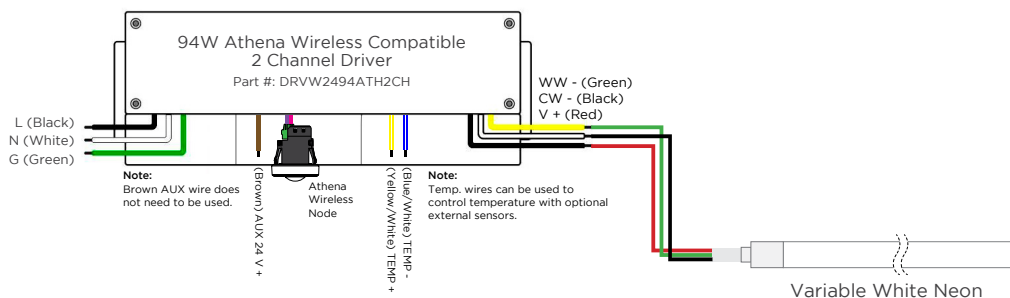
DMX WIRING DIAGRAM - COMPATIBLE WITH ALL MODELS OF VARIABLE WHITE NEON



DALI-2 WIRING WITH VARIABLE WHITE NEON



ATHENA WIRELESS COMPATIBLE DRIVER WIRING WITH VARIABLE WHITE NEON



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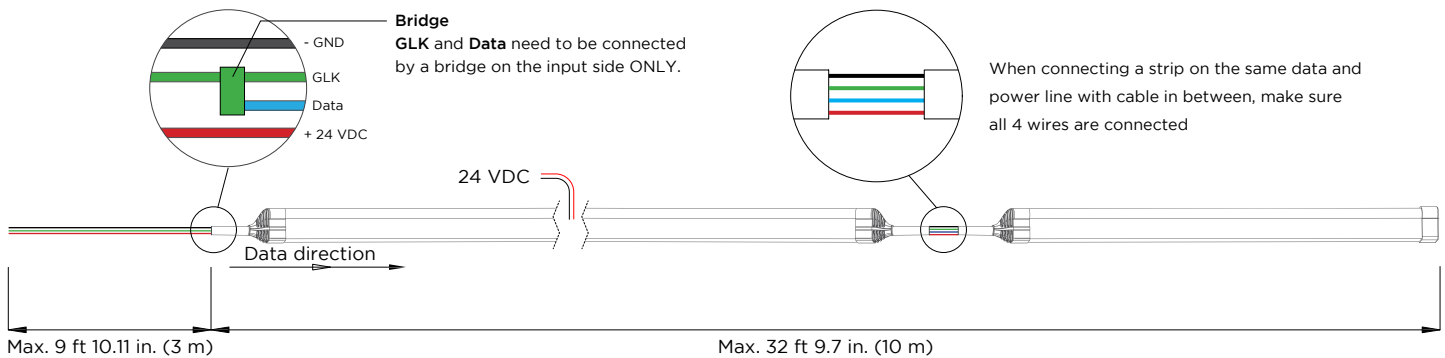
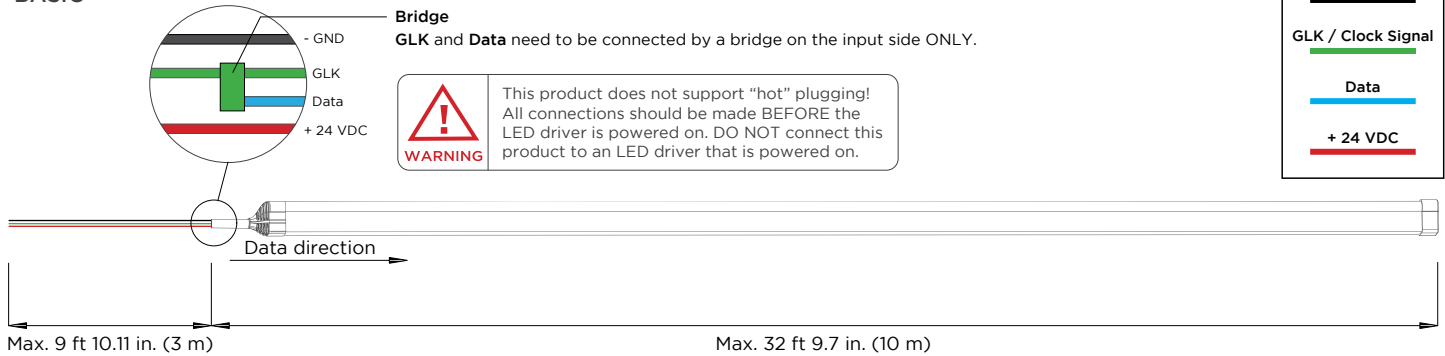
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WIRING DIAGRAMS - VARIABLE WHITE

SPI

BASIC



ADVANCED

