



STATIC COLOR FLEXRAYZ NEON

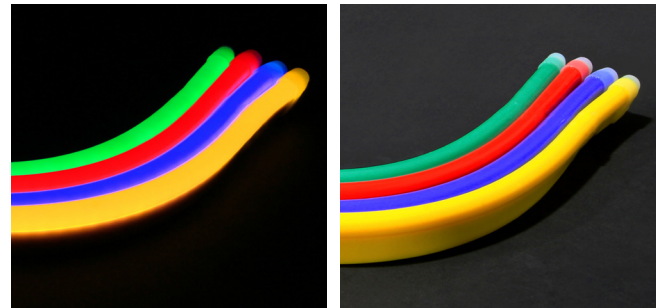
FlexRayz Neon from AgiLight offers a versatile approach to border tube that eliminates light gaps. A side-bending LED neon that provides an excellent solution for linear façade lighting in curved or straight runs, Static Color FlexRayz uses a constant current design to provide consistent brightness throughout each run. Rated IP67 for use in damp and wet locations. FlexRayz products are designed to bend; use Aluminum Mounting Channel for straight run applications.

Applications:

- Borders and edges in signs and facades
- Neon replacements
- Cove and Accent lighting

Features:

- Available in pre-assembled 2 ft (0.61 m) or 8 ft (2.44 m) lengths or sold in full reels of 49 ft (15 m)
- Full reels can be cut and finished with an end cap; new power feeds cannot be introduced in the field
- 3 W/ft (9.84 W/m), 24 VDC
- Four Static Colors (Red, Green, Blue, Yellow)
- 2 in. (50 mm) cut lengths



RoHS LM-80 IP67

- 110x250° beam angle
- Use Aluminum Mounting Channel for straight runs
- Use S-type Track or Aluminum Mounting Clips for curves
- UV protected; saltwater, solvent & flame resistant
- IP67; IK08 impact protection
- Consistent brightness with constant current design
- Minimum bend radius of 1 in. (25 mm)

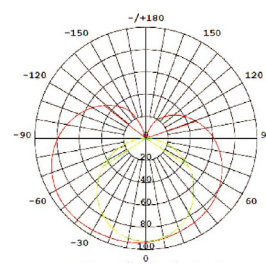
ORDERING GUIDE

Part Number	Length	Color	Wavelength	Lumens / Foot	Lumens / Meter
LB-FRN-RED-2-A	2 ft / 0.61 m	Red	620 nm	45 lm/ft	147.6 lm/m
LB-FRN-RED-8-A	8 ft / 2.44 m	Red	620 nm	45 lm/ft	147.6 lm/m
LB-FRN-RED-49-A	49 ft / 15 m	Red	620 nm	45 lm/ft	147.6 lm/m
LB-FRN-GRN-2-A	2 ft / 0.61 m	Green	518 nm	40 lm/ft	131.2 lm/m
LB-FRN-GRN-8-A	8 ft / 2.44 m	Green	518 nm	40 lm/ft	131.2 lm/m
LB-FRN-GRN-49-A	49 ft / 15 m	Green	518 nm	40 lm/ft	131.2 lm/m
LB-FRN-BLU-2-A	2 ft / 0.61 m	Blue	462 nm	5 lm/ft	16.4 lm/m
LB-FRN-BLU-8-A	8 ft / 2.44 m	Blue	462 nm	5 lm/ft	16.4 lm/m
LB-FRN-BLU-49-A	49 ft / 15 m	Blue	462 nm	5 lm/ft	16.4 lm/m
LB-FRN-YLW-2-A	2 ft / 0.61 m	Yellow	585 nm	145 lm/ft	475.6 lm/m
LB-FRN-YLW-8-A	8 ft / 2.44 m	Yellow	585 nm	145 lm/ft	475.6 lm/m
LB-FRN-YLW-49-A	49 ft / 15 m	Yellow	585 nm	145 lm/ft	475.6 lm/m

SPECIFICATIONS

Input Voltage	24 VDC
Power Consumption	3 W/ft (9.84 W/m)
Cuttable Length	2 in. (50 mm)
Max. Length	49 ft (15 m)
Available Lengths	2 ft (0.61 m) 8 ft (2.44 m) 49 ft (15 m)
Min. Bending Radius	1 in. (25 mm)
Ingress Protection	IP67
Impact Protection Rating	IK08
Lifetime (L70 reported)	50,000 hours @ 60 °C
Warranty	5-year limited warranty

LUMINOUS INTENSITY DISTRIBUTION

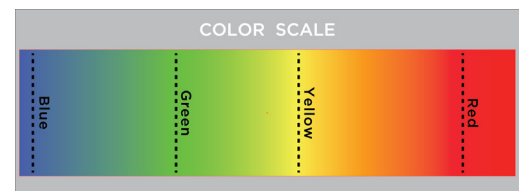


Average Beam Angle (50%): 131.2°

Unit: cd

— C0/180, 148.4°

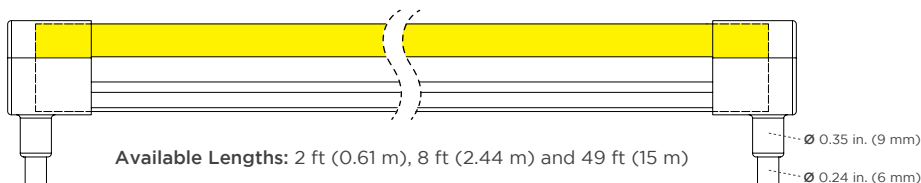
— C90/270, 114.1°





DIMENSIONS

	FlexRayz Neon	Front Bottom Feed End Cap	Closing End Cap (part #: LB-FRN-CAP)
Length	2 ft (0.61 m), 8 ft (2.44 m), and 49 ft (15 m)	0.94 in. (24 mm)	0.94 in. (24 mm)
Width	0.55 in. (14 mm)	0.55 in. (14 mm)	0.55 in. (14 mm)
Height	1.06 in. (27 mm)	1.54 in. (39 mm)	1.06 in. (27 mm)



Static Color FlexRayz Neon if cut						
Standard Length (ft)	Actual Light Length		Actual Length with End Caps		Channel Cut Length	
	(ft)	(m)	(ft)	(m)	(ft)	(m)
Single End Feed						
2	1.97	0.6	2.05	0.63	1.82	0.55
8	7.87	2.4	7.96	2.42	7.72	2.35
49	48.88	14.9	48.97	14.92	48.73	14.85
Double End Feed						
2	1.97	0.6	2.13	0.65	1.82	0.55
8	7.87	2.4	8.04	2.45	7.72	2.35
49	48.88	14.9	49.05	14.95	48.73	14.85
Minimum Bending Radius			Bending Direction			

ACCESSORIES

	Closing End Cap	Aluminum Mounting Clip for mounting in curved sections only	S-type Track for mounting in curved sections	Aluminum Channel for mounting in straight sections	0.5 in. Standoff for mounting above facade surface
Part No.	LB-FRN-CAP	LB-FRN-CLIPMNT	LB-FRN-CRVMNT	LB-FRN-CHMNT-2	LB-FRN-STDOFF
Length	0.63 in. (16 mm)	0.98 in. (25 mm)	19.7 in. (500 mm)	78.7 in. (2000 mm)	0.38 in. (9.5 mm)
Width	0.67 in. (17 mm)	0.6 in. (15.3 mm)	0.6 in. (15.3 mm)	0.48 in. (12.3 mm)	0.38 in. (9.5 mm)
Height	1.24 in. (31.5 mm)	0.83 in. (21 mm)	0.83 in. (21 mm)	0.67 in. (17 mm)	0.5 in. (12.7 mm)

TO ATTACH END CAPS: When sealing FlexRayz Neon end caps, use a neutral cure (non-acetoxo) silicone adhesive that is non-corrosive and safe for LEDs and electronic circuitry. **DO NOT** use acetoxo (acid-cure) silicone to seal end caps. Acetoxo silicone releases acetic acid that can damage LEDs and electronic components.



POWER SUPPLY LOADING

Product	Power Supply (W)	Max. # of ft/m in a continuous run	Total # of ft/m per power supply NOT in a continuous run
Static Color FlexRayz Neon	60	18 / 5.49	18 / 5.49
	100	30 / 9.14	30 / 9.14
	300	3 outputs: 30 / 9.14 per output	90 / 27.43 (3 outputs: 30 / 9.14 per output)

AVAILABLE POWER SUPPLIES



**30W 24V
POWER SUPPLY**
Part #: PS24-30W-GN
Article #: 28000516A



**100W 24V
POWER SUPPLY**
Part #: PS24-100W-GN
Article #: 28000513A



**60W 24V
POWER SUPPLY**
Part #: PS24-60W-GN
Article #: 28000512A



**300W 24V
POWER SUPPLY**
Part #: PS24-300W-3-GN
Article #: 28000514A

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