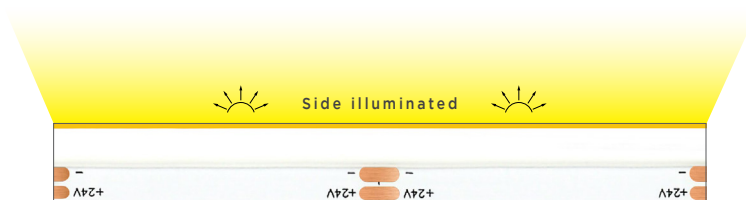## 3.0 STATIC WHITE LINEA EDGE RIBBONLYTE

Static White Linea Edge RibbonLyte is a top-bending, side-illuminated LED ribbon that features a "chip on board" design and a special raised coating that delivers diode-free light even without a diffuser lens. A tight pitch of 12 LED chips per inch (480 LEDs/m) ensures that high-CRI Static White Linea Edge RibbonLyte won't show individual diodes in any of four dimmable CCTs (2700K, 3000K, 4000K, 6000K). Optimal uses for Static White Linea Edge RibbonLyte include architectural accent lighting, backlighting for curved surfaces, installations under bars and counters, mirror edges and custom coves.

- Side-illuminating LED ribbon
- Diode-free without a fixture
- 3.0 W/ft (9.8 W/m)
- 2700K, 3000K, 4000K, 6000K
- 1.31 in. (33.3 mm) cut lengths
- 65 lm/W
- 189 lm/ft (620 lm/m)
- 45° beam angle
- 90+ CRI
- TM66 assessed

c(UL)us LISTED   CE   RoHS   IP20   Declare.   TM66 ASSESSED

Side illuminated

ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage & Color
RB	**90**	**LINEAE20**	
RB - RIBBONLYTE	**90** - 90+ CRI Static White	**LINEAE20** - Linea Edge RibbonLyte IP20	**3.027** - 3.0 W/ft (9.8 W/m) 2700K
			3.030 - 3.0 W/ft (9.8 W/m) 3000K
			3.040 - 3.0 W/ft (9.8 W/m) 4000K
			3.060 - 3.0 W/ft (9.8 W/m) 6000K

CONNECTION OPTIONS

1. End Feed Bare Wire Connection (**Default Option**)
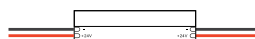
2. IP67 Connector Input

3. Soldered Daisy Chain

4. Daisy Chain with IP67 Connectors
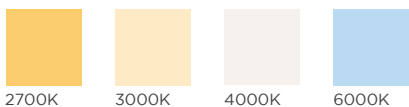
5. Bare Wire on Both Ends

Standard cable length if not specified:
1. 12 in. (30 cm) cable with bare wire (custom length up to 20 ft / 6 m)
2. Standard 12 in. (30 cm) cable with IP67 connectors (custom length up to 10 ft / 3 m)
3. Daisy chain with 3 in. (75 mm) cable between runs (custom length up to 36 in. / 90 cm)
4. 3 in. (75 mm) cable between IP67 connector and RibbonLyte (custom length up to 18 in. / 45 cm)
5. Standard 12 in. (30 cm) cable with bare wire (custom length up to 10 ft / 3 m on both ends)
Note: IP67 connectors are used for IP20 RibbonLyte

AVAILABLE COLOR TEMPERATURES

2700K   3000K   4000K   6000K

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

3.0 STATIC WHITE LINEA EDGE RIBBONLYTE	
Operating Voltage	24 V
Power Consumption	3.0 W/ft (9.8 W/m)
LED Pitch	146 LEDs/ft (480 LEDs/m)
Colors Temperatures	2700K, 3000K, 4000K, 6000K
Lumens	189 lm/ft (620 lm/m)
Efficacy	65 lm/W
LED Beam Angle	45°
Protection Rating	IP20
Dimming/Control	MLV / 0-10 Volt / ELV / DALI
Operating Temperature	-4 — 176 °F (-20 — 80 °C)
Storage Temberature	-40 — 212 °F (-40 — 100 °C)
Cuttable Length	1.31 in. (33.33 mm)
Max Run Length	16 ft 4 in. (5 m)
Min. Bending Radius	1.18 in. (30 mm)
CRI - All Color Temp.	90+ CRI
Certifications	UL 2108 Issued: 2016/06/17 Ed: 1 Rev: 2021/10/16 Low Voltage Lighting Systems. CSA C22.2 No. 250.0, General Requirements for Luminaires. RoHS compliant. All RibbonLyte models 3.0 W/ft (9.8 W/m) and lower when used in any Acolyte Channel profile except Piccolo are tested by UL and confirmed 'Suitable for Installation in the Storage Area of a Clothes Closet' in accordance with NFPA 70 and NEC 410.16 and 411.
Warranty	3 years

DIMENSIONS

Top View

IP20

CUTTABLE EVERY: 1.31 in (33.33 mm)

Side View

Dimensions

Width 0.31 in. (8 mm)
Max Length 16 ft 4 in. (5 m)
Height 0.09 in. (2.2 mm)

OPTIONAL ACCESSORY

0.5 in. (12.7 mm) VHB Tape	Flat Mounting Clip
Provides superior holding power in surface mounted applications Part Number: VHBTAPE0.5BK	For mounting IP20 RibbonLyte Part Number: RBMNTSIL

Note: RibbonLyte comes with an adhesive backing, but Acolyte recommends using VHB Tape for extra support in surface mounted applications.
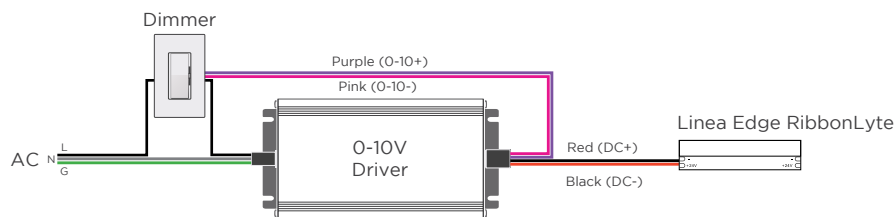
USAGE GUIDELINES

- 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 80 °C / 176 °F maximum for which our product is rated. High-risk locations like this should be avoided.
- IP20 RibbonLyte products are for indoor use in dry areas.
- Please refer to the RibbonLyte Proper Usage Guide in our Application Guide for more information. Available for download at AcolyteLED.com.
- This product is compatible with a wide variety of control products including the entire line of Lutron dimming systems.
- For use with Acolyte drivers, 0-10V dimming modules and interface controllers (DMXINF models).
- Use with non-Acolyte supplied drivers is not supported or warrantied.
- Due to the nature of RibbonLyte products, cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, RibbonLyte is factory cut at the shorter cuttable point.
- We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.
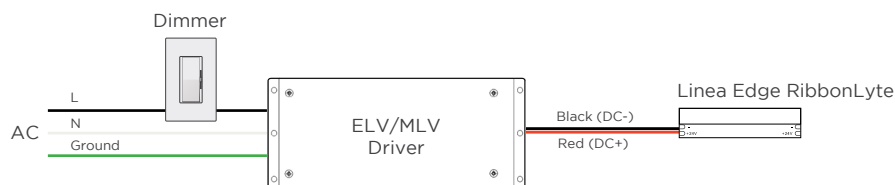
WIRING DIAGRAMS

0-10V

Dimmer

Purple (0-10+)
Pink (0-10-)

0-10V Driver

AC — L N G

Linea Edge RibbonLyte

Red (DC+)
Black (DC-)

MLV / ELV

Dimmer

L
N
Ground

ELV/MLV Driver

AC

Linea Edge RibbonLyte

Black (DC-)
Red (DC+)

DMX

5 Channel DMX Interface
Part #: DMXINFOLED5

DMX in

Linea Edge RibbonLyte

Red +
Black -

Driver

L N G AC
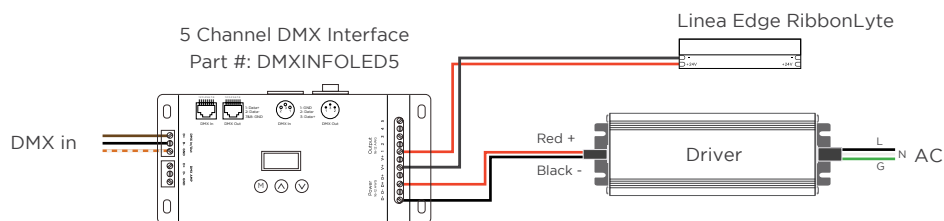
WIRE COLORS PER RIBBONLYTE COLOR

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

ACTUAL POWER CONSUMPTION

Length (ft)	Length (m)	Actual Power Consumed (W)	Average Wattage (W/ft)	Average Wattage (W/m)	Actual Current Drawn (A)
5	1.52	14.71	2.94	9.65	0.613
10	3.05	29.08	2.91	9.54	1.212
15	4.57	42.76	2.85	9.35	1.782
20	6.10	55.43	2.77	9.09	2.310
21.3	6.49	56.92	2.67	8.77	2.372

NOTE: Quotes use nominal values. We highly recommend using nominal wattages for all customer calculations. Allow for a 15% buffer (10% driver, 5% fixture) in these calculations as performance may vary. Acolyte is not liable for product performance if these tables are used instead of nominal values when orders are placed.