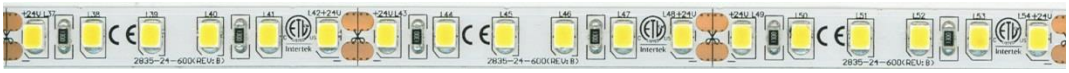
FLLA 5L Flexible Linear Lighting Arrays - **Monochrome**



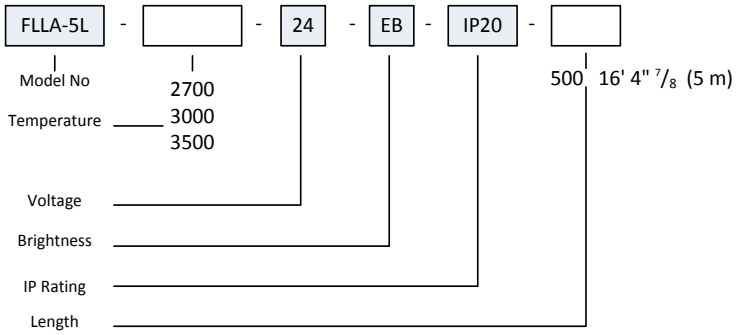
Description

The FFLA **5L (**Flexible Linear Lighting Array) family integrates premium LED elements to create 90+ CRI in a variety of factory configured color temperatures. The formulation of the LED luminaires with accurate binning, and other precision components provides remarkable color consistency, with high CRI and precise correlated color temperature. When used with the Converging Systems ILC-x00 family of advanced lighting controllers, the light intensity can be dimmed from 100% to .001% with gamma correction across the entire spectrum.

Key Features

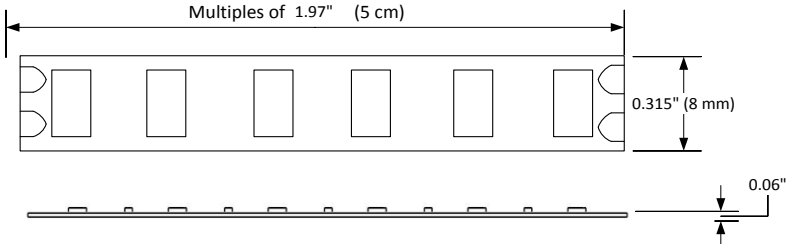
- Professional grade LED Energy saving lighting elements
- Available color temperatures: 2700K, 3000K, 3600K Other temperatures available factory order
- Dimmable from 100% to .001% with ILC LED controllers
- Precision gamma correction when driven with ILC-x00 family of LED controllers
- Color consistency within a 3 step MacAdam ellipse
- EB-Enhanced Brightness (>250 lumens/ft.)
- IP rating: IP 20. IP 54 and IP 67 available.
- 24vDC input voltage (through ILC family controllers)
- Low-voltage system does not require a commercial electrical license for installation
- 3M™ adhesive backing (silicon fastening straps available for moist locations)
- Can be mounted in 3rd party extrusions
- Available in standard sizes from .1m to 5m (maximum run per discrete leader cable-5M)
- Configured with positive fit clamp power 2-pin power connecter.

Ordering Instructions



Ordering Example:
FLLA - 5L - 2700 - 24 - EB – IP20 – 500
One section 16' 4" long (5 meters), 2700K CCT

Dimensions



Type	

CONVERGING SYSTEMS

Converging Systems Inc 32420 Nautilus Drive Rancho Palos Verdes, CA 90275 310 544 2628 www.convergingsystems.com

Revised 7.19.2016 Specifications subject to change without notice

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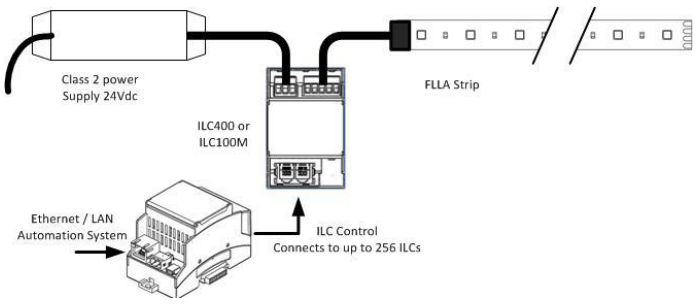
Qty.	
Project	
Company	
Notes:	

Specifications

	FLLA-5L-2700-EB-24
Input Voltage	**24vdc**
Nominal Power	**3.7W /ft.** (12w/m)
LED Density	**36.5 /ft.** (120/m)
Luminous flux	**256 lm / ft.** (840 lm / m)
Max Beam angle	**160°**
CCT	**2700K ANSI C78-377-2015**
Dimensions	**8 mm x 2.0 mm x (s)100mm**
IP rating	**IP-20**
CRI	**>90**
R9	**>50**
Chromaticity	**x 0.4563 y 0.4124 (CIE 1931)**
Accuracy	**Within 3 step MacAdam**
Duv	**< 0.002**
Connection	**2 pin clamp connector**
Min Cut lengths	**50 mm**

Wiring Diagram

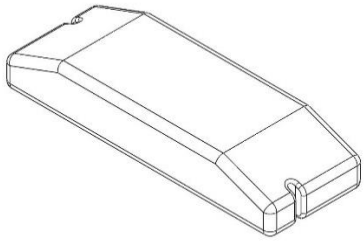
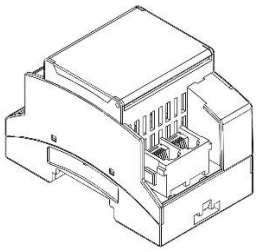
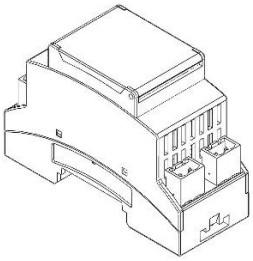
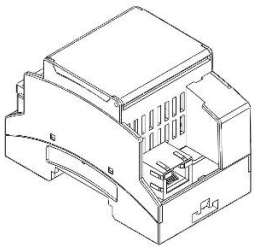


Maximum strip length: 16.4ft
Maximum distance of leader cable:
18ft (22 gauge wire)
30ft (20 gauge wire)
48ft (18 gauge wire)
80ft (16 gauge wire)

MAXIMUM POWER SUPPLY 100W FOR CLASS 2 INSTALLATION
1. BASED ON MAX PSU DE-RATED 75%
2. LONGER LENGTHS POSSIBLE WITH LARGER GAUGE

FLLA 5L Flexible Linear Lighting Arrays - **Monochrome**

Associated Components

Power supply **120V AC 100W 24V Class 2** Order: 21-1033-000		• 120/240V AC input • 24V DC 100W output • UL Class 2 Pass LPS • 2 Year warranty • IP64 • UL1310/UL8750/CSA C22.2 • CE
IMC-400M **4-channel Monochrome Controller** Order: 99-1099-000		• 4 separate monochrome dimming channels • Dimmabe to 0.001% • Built in Gamma correction • Supports up to 65,000 Individually addressable controllers. • Network up to 256 on one e-node
IMC-100M **Single channel Monochrome Controller** Order: 99-1101-001		• Single monochrome dimming channels • Dimmabe to 0.001% • Built in Gamma correction • Supports up to 65,000 Individually addressable controllers. • Network up to 256 on one e-node
Leader Cable **Mono 2-wire clamp connector** Order: 19-1102-105		• Connects FLLA strip to ILC-x00 family Controllers
E-Node 2010 **Ethernet / LAN Gateway** Order: 99-1062-000 Order: 21-1027-000 (Aux Power supply)		• Gateway form Ethernet LAN to CS-BUS to control ILC-family lighting controllers • Works with all major automation/lighting systems (i.e. Control4, Crestron, Elan, Leviton, Lutron, RTI, Savant, Vantage,etc.) • UPnP and SDDP (Control4) • Built-in web page access