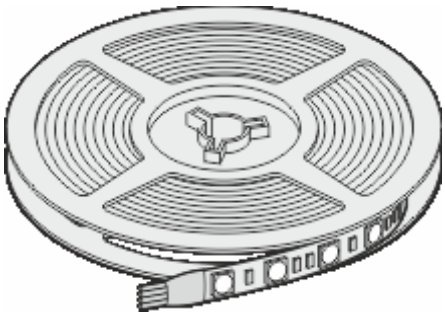
Flex Eco Interior™

ACCLAIM LIGHTING



Client:	
Project:	
Type:	
Order Code:	
Quantity:	

Flex Eco Interior is an ultra low power, thin and flexible LED circuit strip in a 16.4' spool. It's low wattage and high efficacy make it the perfect compliment to green energy projects. It can be cut every four inches to create the exact length needed for your specific application. The combination of it's high output and low profile allows for a wide variety of cove, millwork, signage, and many other interior applications.

Specifications

Color Temperature	2400K, 2700K, 3000K, 3500K, 4000K
Spool Length + Cut Points	16.4' (5m), Cut points every 4" (102mm)
Beam Angle	120º
Max Fixture Runs	16.4' (5m) - 1 spool maximum
Photometrics	106 lumens per foot, 105 l/pw, >80 CRI (4000K - See page 5 for other color data)
Available Dimming Protocols	Symmetric forward phase control (MLV), TRIAC, 0-10V, DMX, DALI
Mounting	3M™ VHB adhesive backing included, optional aluminum channels
Power Consumption	16W @ 16.4' (1 Spool), minimum 0.97W per foot
Operating Voltage	24VDC
Lumen Maintenance	L70 @ 50,000 Hours (25º C)
Finish	White
Housing Material	Copper strip
Ambient Operating Temperature	32°F to 104°F (0°C to 40°C)
IP Rating	IP20, Dry Location
Fixture Connectors	3.28' (1m) Attached feed cable included
Warranty	3 Years Standard, 5 Years Optional (additional charge)
Weight	1 lbs (0.5 kg)
Dimensions	W 0.4" x H 0.12" x L 16.4' (10 x 3 x 5000mm)
Certifications	ETL, CE, RoHS 2002/95/EC

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Order Codes

* Indicates Special Order

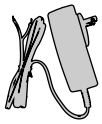
Model

FLEXEI_

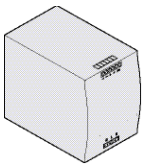
Color:
24 = 2400K
27 = 2700K
3 = 3000K
35 = 3500K
4 = 4000K

Related Components

Multi-Voltage Power Supplies (Non-dim or with DMX)

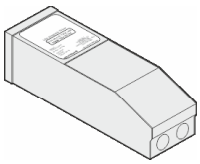


APS-30-24
1 Spool Maximum
30W, 24VDC, Dry location, Wall Mount Plug
100-240VAC (47-63Hz) Input

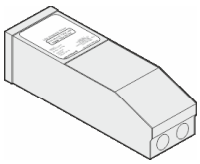


APS-240-24
12 Spools Maximum
240W, 24VDC, Dry location, DIN Rail
115-230VAC (47-63Hz) Input

120V Power Supplies (Magnetic Low Voltage / TRIAC Dimming)

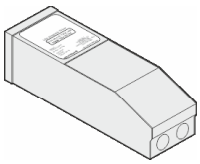


E40L24DC-KO
2 spools maximum
40W, Class 2, 24VDC, Wet location
120VAC Input, 8W minimum load

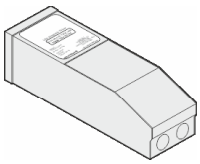


E96L24DC-KO
5 spools maximum
96W, Class 2, 24VDC, Wet location
120VAC Input, 8W minimum load

277V Power Supplies (Magnetic Low Voltage Dimming) *APPROVED DIMMER MUST BE USED IN LINE*



M60L24DC-277
3 spools maximum
60W, Class 2, 24VDC, Wet location
277VAC Input

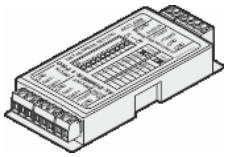


M150L24DC-277
8 spools maximum
150W, 24VDC, Wet location
277VAC Input

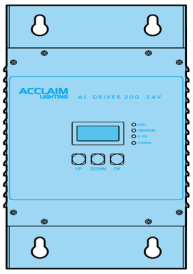
Specifications subject to change without notice

Related Components (Con't)

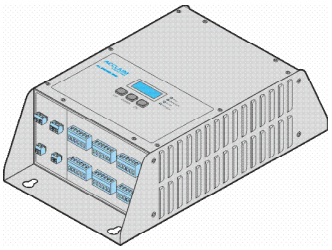
DMX Drivers



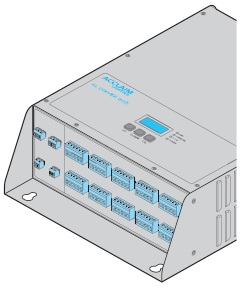
AL Driver 1
AL Driver 1, 2 spools max
Single channel DMX driver
Use in conjunction with APS Series PSUs



ALD-200-24
AL Driver 200 24V, 6 spools max
200W 24V power supply + DMX,
0-10V (sink & source) & DALI driver
4 output ports, 100-277VAC input



ALD-400-24
AL Driver 400 24V, 12 spools max
400W 24V power supply + DMX,
0-10V (sink & source) & DALI driver
6 output ports, 100-277VAC input



ALD-800-24
AL Driver 800 24V, 20 spools max
800W 24V power supply + DMX,
0-10V (sink & source) & DALI driver
10 output ports, 100-277VAC input

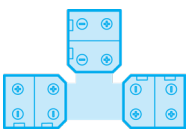
Connection Cables

FLEXOI-FC
Features SecureLock connector
Flex Eco Interior feed cable
3.28' (1m)

FLEXOI-LC1
Features SecureLock connectors
Flex Eco Interior link cable
1' (305mm)

FLEXOI-LC
Features SecureLock connectors
Flex Eco Interior link connector

FLEXOI-L90
Features SecureLock connector
Flex Eco 90º link connector

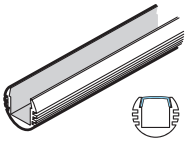


FLEXOI-LT
Features SecureLock connectors
Flex Eco T link connector

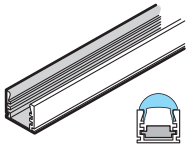
Specifications subject to change without notice

Related Components (Con't)

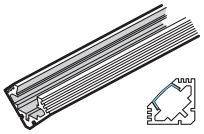
Flex Channels (See individual channel spec sheets for accessory details)



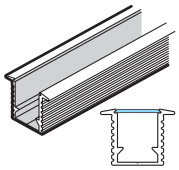
FLK PEN
Flex pendant channel
3.28' (1m)



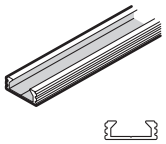
FLK GRZ
Flex graze channel
3.28' (1m)



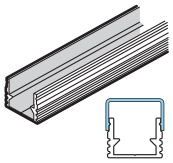
FLK 45D
Flex 45 degree channel
3.28' (1m)



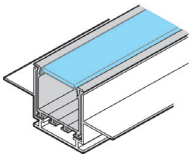
FLX777
Flex channel recessed
4' (1.21m)



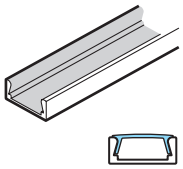
FLX444
Flex channel low profile
4' (1.21m)



FLX888
Flex channel tall profile
4' (1.21m)



FLK DWM+DWC/DWF
Flex dry wall channel
3.28' (1m)



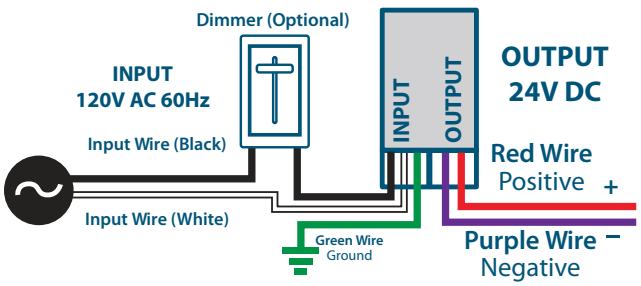
FLK MIN
Flex mini channel
3.28' (1m)

Wiring

Wire size guide

Gauge	Cond.	Max feet to flex
18 AWG	2	40
14 AWG	2	100
12 AWG	2	180

Wiring with E40L24DC-KO or E96L24DC-KO



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ACCLAIM LIGHTING

Photometrics

For additional color data and IES files, please visit acclaimlighting.com

Color Temp	Lumens (p/foot)	Center Candela	Efficacy (l/pw)	CRI (Ra)	CRI (r9)
2700K	97.6	33	98.6	82.1	7.6
3000K	99.9	33	101	82.7	8.2
3500K	106.9	35	106.9	82.2	4.4
4000K	106.6	35	105.5	82.1	2.3