

THE FLEX SERIES

DECORATIVE LIGHT

Flexible Tube Light | Surface/Pendant Mount

The Flex series is a revolutionary lighting solution designed to illuminate spaces with unparalleled adaptability. Engineered with precision, this innovative lighting system boasts 360-degree light dispersion. The Flex series is ideal for any space where differentiation and uniqueness are key!



DYNAMIC MENU

Order Information	Page 2
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[Install Instruction link](#)

SPECIFICATIONS

Input Voltage	120-277V
Power Factor	>0.7
Total Harmonic Distortion	<20%
Dimming	0-10V
CRI	90 CRI 80 CRI
CCT	30K 35K 40K RGB
Efficacy	~350-510 lm/ft
Length	16FT 65FT Custom
Power	4.3W/ft
Ambient Temperature Range	-20°C to 45°C
Mounting Options	Surface mount
	Suspended

eralux®

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				



PRODUCT FEATURES



PRODUCT CERTIFICATIONS



SYSTEM WARRANTY – 3 YEARS

Eralux will warrant defective drivers, LEDs and boards for 3 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE – L80 at 54,000 hours

Rated for 80% initial lumen output at 54,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

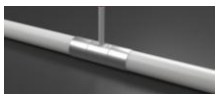
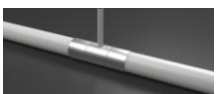
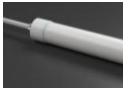
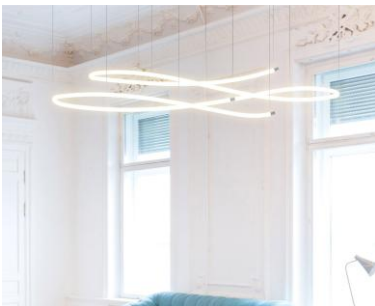
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COMPARISON

	FLEXA	FLEXY	FLEXO
DISTRIBUTION	360° 	360° 	255° 
CRI	90	80	90
EFFICACY	Flexa: ~360lm/Ft 4.3W/Ft Flexa RGB: RED; 38lm/ft Green; 120lm/ft Blue; 24lm/ft RGB; 176lm/ft	~510lm/Ft 4.3W/Ft	~350lm/Ft 4.3W/Ft
LENGTHS	16FT	16FT 65FT (optional) – IP65	Custom length and Design
MATERIAL	Aluminum end caps Silicon housing Silicon end caps – Flexa RGB Metal insert	Aluminum end caps – 16FT Silicon end caps – 65FT Silicon housing	Silicon housing Aluminum Profile (Assembled Onsite) 
DESIGNS	Specific and desired shapes Holds the design	Flexible, wavy shapes Random designs	Single-plane design Straight runs Fixed arc and shapes Non-bendable fixture
FEATURES	Cut every 2-in using high strength cutter Solder the wire after cutting Holds the shape after bent RGB; Red, Green & Blue light 	Easily cut to any length without dark zones Easily connect with solder-free connector	Aluminum profiles available in multiple rigid shapes enabling customizable designs Easy to install
CONNECTION	Visible silver T-connector between Flexa 	Visible silver T-connector between Flexy 	Seamless connection No dark spot 
PROTECTION	IP20 IP65 - RGB - Silicon end caps IK 08 FLAME RESISTANCE Anti-UV Grade : UVA-340	IP20 - 16FT IP65 - 65FT - Silicon end caps IK 08 FLAME RESISTANCE Anti-UV Grade : UVA-340 	IP20 IK 08 FLAME RESISTANCE Anti-UV Grade : UVA-340
PICTURE			

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ORDERING GUIDE – BASE FIXTURE

DC-FX	-16		90	
DC-FX ERALUX Flexa Decorative Flexible Tube	-16 16ft Straight Run	-30 3000K -35 3500K -40 4000K -RGB Red, Green, and blue lights	90 90 CRI	-SMT Surface Mount -AIR Suspended -AIR-LINK ¹ Suspended with Link

Fixture Family	Size	CCT	CRI	Mounting
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NOTES

- Not Available for RGB option
- Comes with 12ft DC power cord and must be connected to the remote driver on site
- Comes with 150W driver and driver enclosure.
- For the RGB option; contact factory for availability
- For the RGB option; Remote control must be ordered separately to control the light

DC-FXY			80	
DC-FXY ERALUX Flexy Decorative Flexible Tube	-16 16ft Straight Run Aluminum End Cap IP20 -65 65ft Straight Run Silicone End Cap IP65	-30 3000K -35 ¹ 3500K -40 4000K	80 80 CRI	-SMT Surface Mount -SMT-LINK ¹ Surface Mount -SMT-U ¹ Surface Mount -AIR Suspended -AIR-LINK ¹ Suspended with Link

Fixture Family	Size	CCT	CRI	Mounting
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NOTES

- Not Available for 65FT
- Comes with 3ft DC power cord preinstalled and 15ft DC power cord packed separately (DC-FX-ACC-SOLDER FREE CONNECTOR) and must be connected to the remote driver on site
- 16ft comes with 150W driver. 65ft comes with 500W driver. Driver enclosure included.

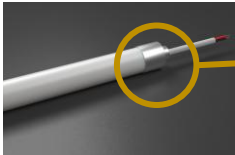
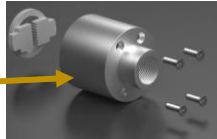
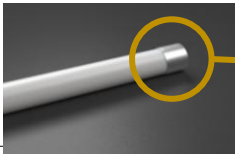
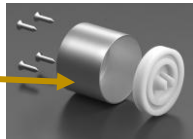
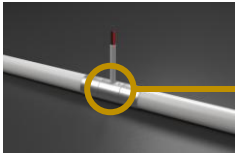
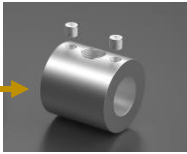
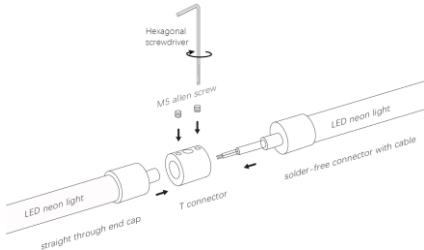
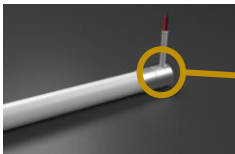
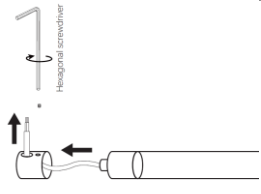
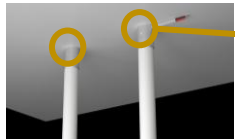
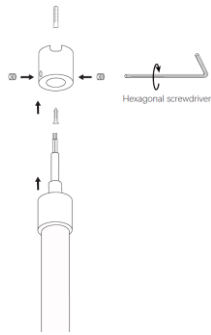
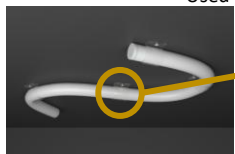
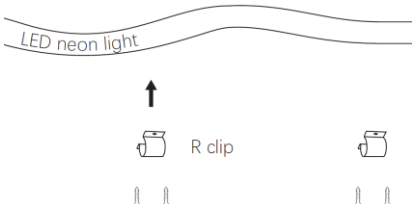
DC-FXO	-XX		90	
DC-FXO ERALUX Flexo Decorative Flexible Tube	-XX Custom Length and Design	-30 3000K -35 3500K -40 4000K	90 90 CRI	-SMT Surface Mount -AIR Suspended

Fixture Family	Size	CCT	CRI	Mounting
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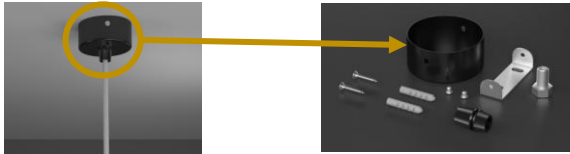
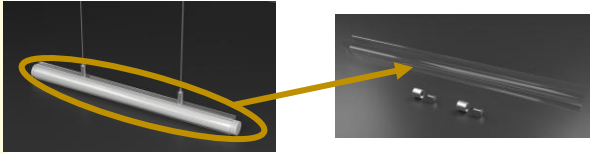
NOTES

- Comes with 15ft DC power cord and must be connected to the remote driver on site

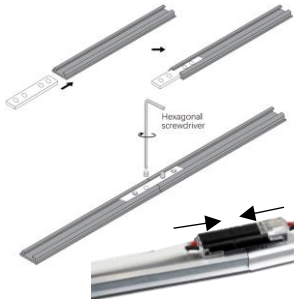
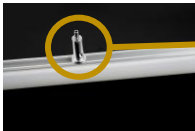
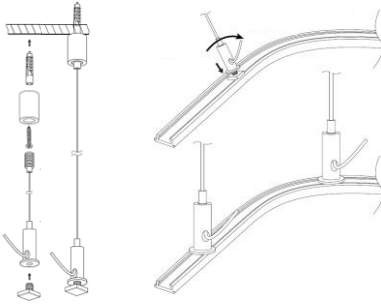
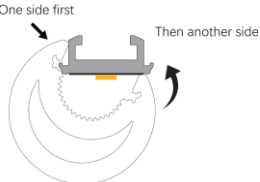
ACCESSORIES – FLEXA & FLEXY

ORDERING CODE	DESCRIPTION	INSTALLATION
FX-ACC-ALEC-STRAIGHT THROUGH	Straight through end cap 	 Screwed directly to the Flexa. Each Flexa comes pre-installed with 1× straight-through cap and 1× tail end cap, unless specified otherwise.
DC-FX-ACC-ALEC-TAIL	Tail end cap 	
DC-FX-ACC-ALEC-TCONNECTOR	T-connector Used for continuous runs  	
DC-FX-ACC-ALEC-SIDE THROUGH	Side through end cap Used to pass the wire through the side  	 Side through end cap
DC-FX-ACC-ALEC-CEILING FIXED BOLT	Fixed bolt For surface mount at the end cap allows for the cable to pass through the ceiling or at the side  	
DC-FX-ACC-IN-U BRACKET	U-Bracket Used for surface mount  	

ACCESSORIES – FLEXA & FLEXY

ORDERING CODE	DESCRIPTION	INSTALLATION
DC-FX-ACC-IN-SUS-CLIP-WIRE	Suspension Kit Comes with pendant clip and 6ft suspension cable used for pendant mount 	Screw the top of the suspension cable to the ceiling Screw the bottom of the suspension Cable to the clip using the square screw Insert the Flexa through the clip and close it 
DC-FX-ACC-IN-CANOPY	Canopy for pendant mount Used if the driver is installed in the ceiling or mechanical room 	Screw the silver bracket to junction box. Insert the wire through grip and tighten. Screw the canopy to bracket from the side.
DC-FX-ACC-STEM	1-4ft Adjustable stem Used to pass the power cord or for pendant mount can be mounted to a canopy or the driver box 	Screw to side through end cap or T-connector. 
DC-FX-ACC-6FT-TUBE-AIR DC-FX-ACC-3FT-TUBE-AIR	3 or 6ft tube used for straight runs and for pendant installation Comes with 6ft suspension cables 	Screw suspension cable to the tube using square screws. Insert the Flexa.
DC-FX-ACC-SOLDER FREE CONNECTOR	Solder free connector Comes with straight through end cap and 15ft power cord. Available for Flexy only 	After cutting the Flexa Y, plug the solder free connector into the LED board. (+ to + and - to -)

ACCESSORIES – FLEXO

ORDERING CODE	DESCRIPTION	INSTALLATION
Electrical Connector preinstalled on the aluminum profile	Used to link two aluminum profiles for continuous runs 	
DC-FXO-MECH-LINK	 	
DC-FXO-SMT-KIT	Used for ceiling or wall mount  	Push the bracket into the aluminum profile, then insert it into the screw preinstalled on the ceiling.
DC-FXO-SUS-KIT	Used for pendant mount  	
DC-FXO-AL-PRF-XFT	Aluminum profile comes in different shapes and lengths, with preinstalled LED strip. The silicone housing is installed on the profile onsite.	
DC-FXO-SIL-HS-XFT		
DC-FX-ACC-ALEX-STRAIGHT THROUGH DC-FX-ACC-ALEX-TAIL	Tail and straight through end caps  	

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DRIVERS

ELG-150-24	
Parameters	Output
DC Voltage	24V
Rated current	6.25A
Rated power	150W
Quantity	1 every 16ft
Compatible Fixtures	Flexa Flexy (16ft)

ELG-500-48	
Parameters	Output
DC Voltage	48V
Rated current	10.4A
Rated power	500W
Quantity	1 every 65ft
Compatible Fixtures	Flexy (65ft)

ELG-200-24	
Parameters	Output
DC Voltage	24V
Rated current	8.4A
Rated power	200W
Quantity	1 every 50ft
Compatible Fixtures	Flexo



DRIVER ENCLOSURE

The driver enclosure can be surface mounted to hide the driver next to the fixture. The enclosure can fit up to two drivers and is ordered separately.



DC-FX-ACC-IN-DRIVER BOX

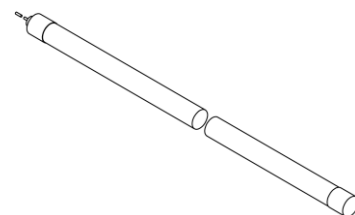
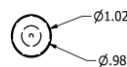
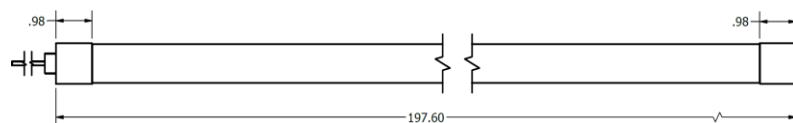
Driver Enclosure
Used as a housing for the driver and it is surface installed
20x4x2 in



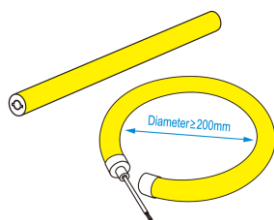
Screw the black plate on the junction box.
Attach the driver to the silver plate and screw
the silver plate to the black plate.
Screw the cover to the plate from the sides.



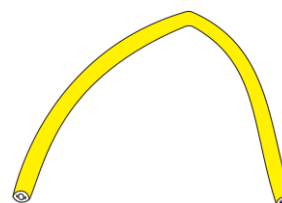
DIMENSIONS



WARNINGS

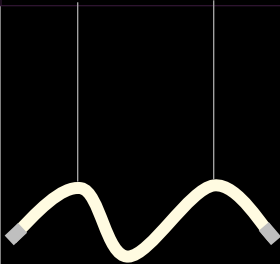
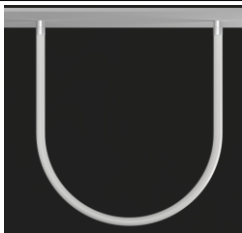


Correct bending direction and bending radius.

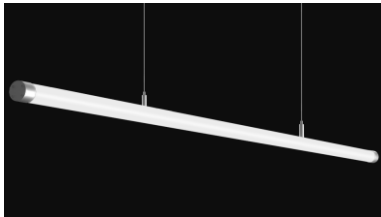


Do not twist it or bend in wrong direction.

MOUNTING OPTIONS – FLEXA & FLEXY – 16FT

ORDERING CODE	INCLUDED ACCESSORIES	PICTURE	ADDITIONAL ACCESSORIES (Ordered separately if needed)
FX-AIR	6 x 6FT suspension cables (per 16ft fixture, 1 every 2.5ft) 1x side through end cap Driver and driver enclosure		DC-FX-ACC-STEM DC-FX-ACC-IN-CANOPY Extra suspension kit: DC-FX-ACC-IN-SUS-CLIP-WIRE
FX-SMT	6 x surface mount brackets (per 16ft fixture, 1 every 2.5ft) 1x side through end cap Driver and driver enclosure		
FX-AIR-LINK	6 x 6FT suspension cables (per 16ft fixture, 1 every 2.5ft) T-connector Driver and driver enclosure Create O-shape (ordered on its own) or link to another Flexa (ordered with FX-AIR)		DC-FX-ACC-STEM DC-FX-ACC-IN-CANOPY
FX-SMT-U	2x ceiling fixed bolt Driver and driver enclosure		

MOUNTING OPTIONS – FLEXO – CUSTOM

ORDERING CODE	INCLUDED ACCESSORIES	PICTURE	
FXO-AIR	1 x 6FT suspension cables every 3ft Driver and driver enclosure		
FXO-SMT	1 x surface mount brackets every 3ft Driver and driver enclosure		

Flexa | Flexo RGB

ORDERING CODE	DESCRIPTION	PICTURE
DC-FX-ACC-RGB-CONTROLLER	3 Channels (RGB) controller - Wireless remote control	
DC-FX-ACC-RGB-REMOTE	4 zone RGB remote control - Create up to 4 zones (different room or application) - Add unlimited light to each zone - Ultra sensitive color adjustment touch wheel. - Independent dimming function of each R, G, & B channel to achieve millions of colors. - Each remote can match one or more receiver.	

Flexa RGB Remote



: Short press turn on/off all zone light.



: Touch to change current zone static RGB color.



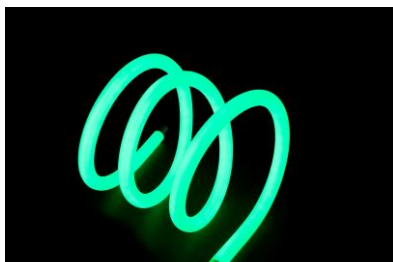
: Short press select and turn on zone light,
long press 2s turn off zone light.
Short press multiple zone key fastly,
will select multiple zone synchronously.



: Short press get red, green or blue color directly.
long press 1-6s adjust R/G/B brightness continuously
to achieve millions of colors.



: Adjust dynamic mode for current selected zone,
Short press run next dynamic mode, long press 2s run mode-cycle.



PHOTOMETRIC DATA – FLEXO

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY
AE-FC-FXO		Zone	Lumens	% Fixture	Direct Light
Wattage	4.39W	0-20°	24.89	5.7	
CCT	4000K	0-30°	54.4	12.5	
Distribution	255°	0-40°	92.65	21.3	
Length	1ft	0-60°	183.46	42.2	
		0-80°	272.79	62.8	
		0-90°	311.31	71.7	

PHOTOMETRIC DATA – FLEXY AND FLEXA

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY
AE-DC-FX-16-40-90-XX		Zone	Lumens	% Fixture	Direct Light
Wattage	6W	0-20°	22.95	3.9	
CCT	4000K	0-30°	49.93	8.6	
Distribution	360°	0-40°	84.72	14.5	
Length	1ft	0-60°	167.5	28.8	
		0-80°	251.99	43.3	
		0-90°	291.13	50	

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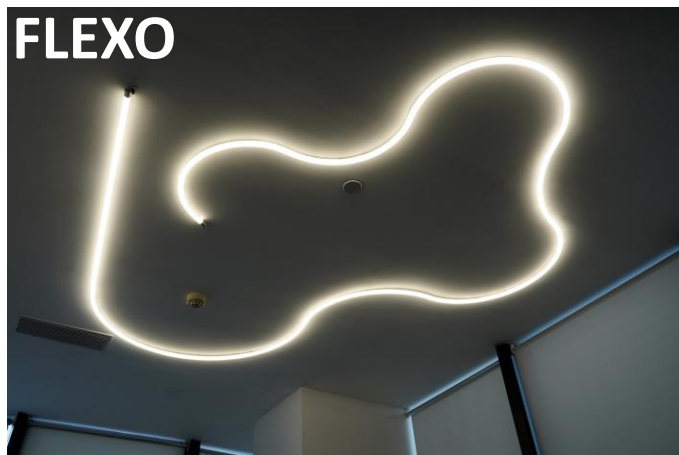
OVERVIEW



Innovative Design

- Silicone diffuser
- Aluminum profile – Flexo
- Metal insert – Flexa
- No dark spots

FLEXO



Customizable

- Custom length
- Custom design
- 30, 35, 40K CCTs



FLEXY



Features

- Holds the shape (FLEXA)
- Easy to cut (FLEXY)
- Fixed shapes, no dark spot (FLEXO)
- RGB option (FLEXA)



FLEXA



FLEXO



Tests And Certifications



Mounting Options

- Surface mount
- Suspended
- Surface to suspended mount