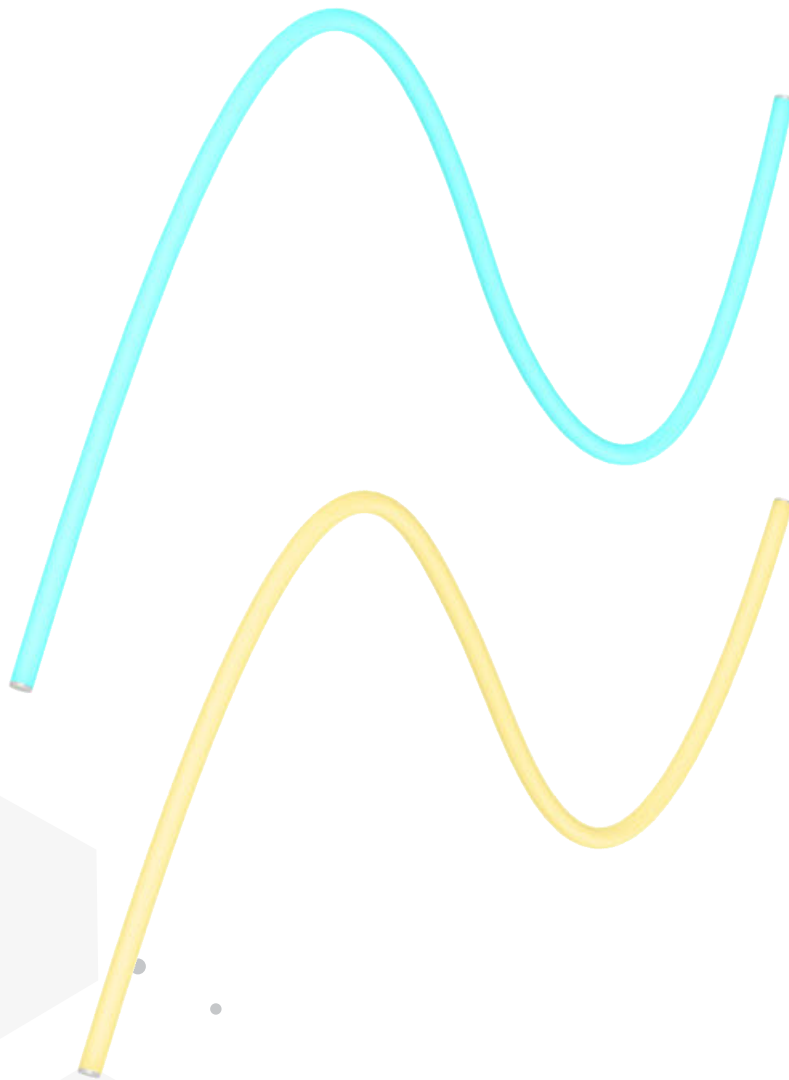




Engineered Lighting Solutions

23S SUPERFLEX SERIES

BENDABLE AND HERMETICALLY SEALED LED LIGHT ENGINE



3D Bending

- Dot-free run lengths up to 32 feet
- Wet rated for outdoor applications (IP65)
- Beautifully smooth mono-color or RGB LED lighting

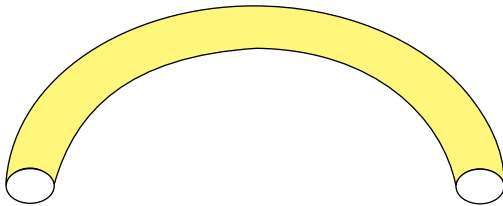
23S SUPERFLEX SERIES



BENDABLE AND HERMETICALLY SEALED LINEAR LED LIGHT ENGINE | ARCHITECTURAL

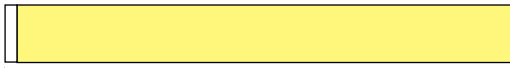
Our SUPERFLEX Series provides beautifully diffused LED lighting in tight spaces at only ~1 inch wide with run lengths up to 32 feet.

This hermetically sealed light engine can be bent in any direction to fit many design applications, giving maximum flexibility to your projects. They are suitable for indoor and outdoor use in residential and commercial applications. Contact a U Technology representative for any project design requirements or assistance.

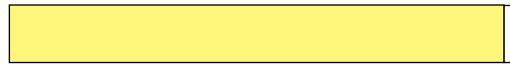


BENDING

Max. 4.72" (120mm) diameter



Up to 32 ft (10.0 m)



D:0.91"
(23 mm)

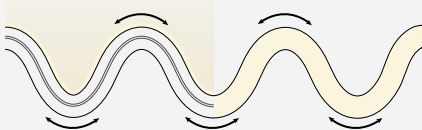


Up to 32 ft (10.0 m)

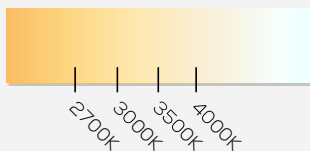


D:0.91"
(23 mm)

3-DIMENSIONAL BENDING



CCT OPTIONS



RGB

BEAM ANGLE



23S SUPERFLEX SERIES

BENDABLE AND HERMETICALLY SEALED LINEAR LED LIGHT ENGINE | ARCHITECTURAL



Part #:	UT-SF23-24V-	Quantity:	
Project:			
Type:		Custom Wire Lead Length:	

PRODUCT SPECIFICATIONS:

Input Voltage	24V DC	CCT	2700K, 3000K, 3500K, 4000K, RGB
Watts per Foot	Mono: 2.5 W/ft RGB: 4.0W/ft	Dimming Levels	<1%
Delivered Lumens	Mono: 225 Lm/ft* RGB: 150Lm/ft	Expected Life	+50,000 hrs
Cut Distance	Mono: 1.40 inches (35.71 mm) RGB: 1.64 inches (41.66 mm)	Protection	Solvent, UV, and salt water resistant
Beam Angle	360°	Mounting	Aluminum and plastic hardware
Dimensions (inches)	D: 0.91 inch (23mm)	Certification	cUL to CSA Standards, RoHS
Max. Run Length**	~16.4 ft (5 m / single injection)	Warranty	5 years***
Temperature Rating	-40 to +60°C	Supplies (sold separate)	U Technology LED Power Supplies and Control Options
CRI	90+	LED Selection	3-Step MacAdam Ellipse

* Based on 4000K CCT at 2.5 W/ft

** Based on Mono CCT at 2.5W/ft

*** Must meet U Technology Terms and Conditions and be properly installed with UT-PS 24V Power Supplies

ORDERING INFORMATION / PART #:

Part #:	IP Rating:	CCT:				
UT-SF23-24V-	IP65	27K	30K	35K	40K	RGB

Wire Connection:		Mounting Type (see page 4 for details)							
Perpendicular	In-Line	M1	M2	M3	M4	M5	M6	M7	M8

* Please provide diagram(s) to a U Technology team member for BOM. More than one Installation method can be selected.



ARCHITECTURAL



BENDABLE



MONO-COLOR



RGB



DIMMABLE



WET-RATED

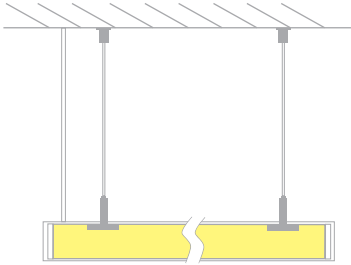
23S SUPERFLEX SERIES

BENDABLE AND HERMETICALLY SEALED LINEAR LED LIGHT ENGINE | ARCHITECTURAL

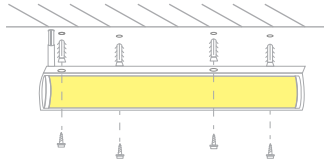


INSTALLATION METHODS

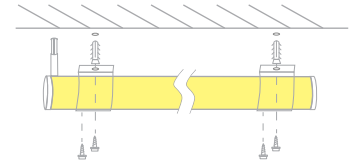
M1. Linear Pendant



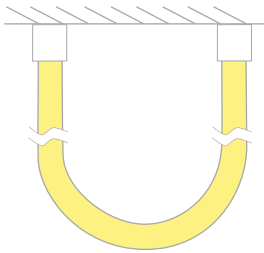
M2. Surface Linear with channel



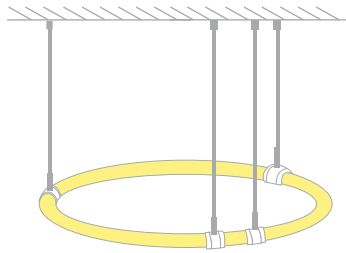
M3. Surface Linear with clips



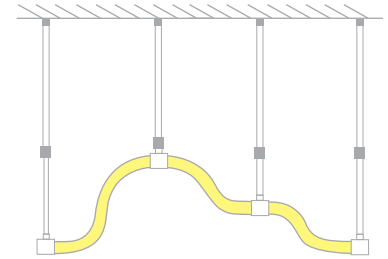
M4. Surface U Shape



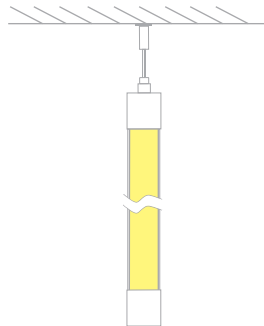
M5. Circular Pendant



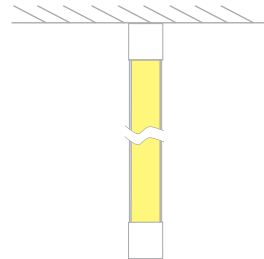
M6. Custom Pendant



M7. Pendant



M8. Surface Pendant



23S SUPERFLEX SERIES

BENDABLE AND HERMETICALLY SEALED LINEAR LED LIGHT ENGINE | ARCHITECTURAL



TABLE 1.0 - LED POWER SUPPLIES

Driver / Power Supply	Number of Class 2 Isolated Channels	Wattage (W)	Output Voltage (VDC)	Input Voltage (VDC)	Dimming Protocol	Dim Level	Power Factor	Min. Load
UT-PS-ELA-24W	1	24	24	120 - 277	Universal*	10%	0.90	4.0W
UT-PS-ELA-52W		52						6.0W
UT-PS-ELX-60W	1	60	24	120 - 277	Universal*, Dim-to-Dark**	<0.1%	0.95	N/A
UT-PS-ELX-96W		96						
UT-PS-ELE-96W	1	1 x 96	24	120 - 277	Universal*, Dim-to-Warm	<1.0%	0.98	N/A
UT-PS-ELE-192W	2	2 x 96						
UT-PS-ELE-288W	3	3 x 96						
UT-PS-ELE-384W	4	4 x 96						
UT-PS-ELE-288W-48V***	3	3 x 96	48	120 - 277	Universal*	<1.0%	0.98	N/A

* Universal: Dimmer compatible with Forward Phase, Reverse Phase, TRIAC, MLV, ELV dimmers and 0-10V dimmers.

** Dim-to-Dark: Ability to dim to 0.1% light output.

*** Available for custom projects.

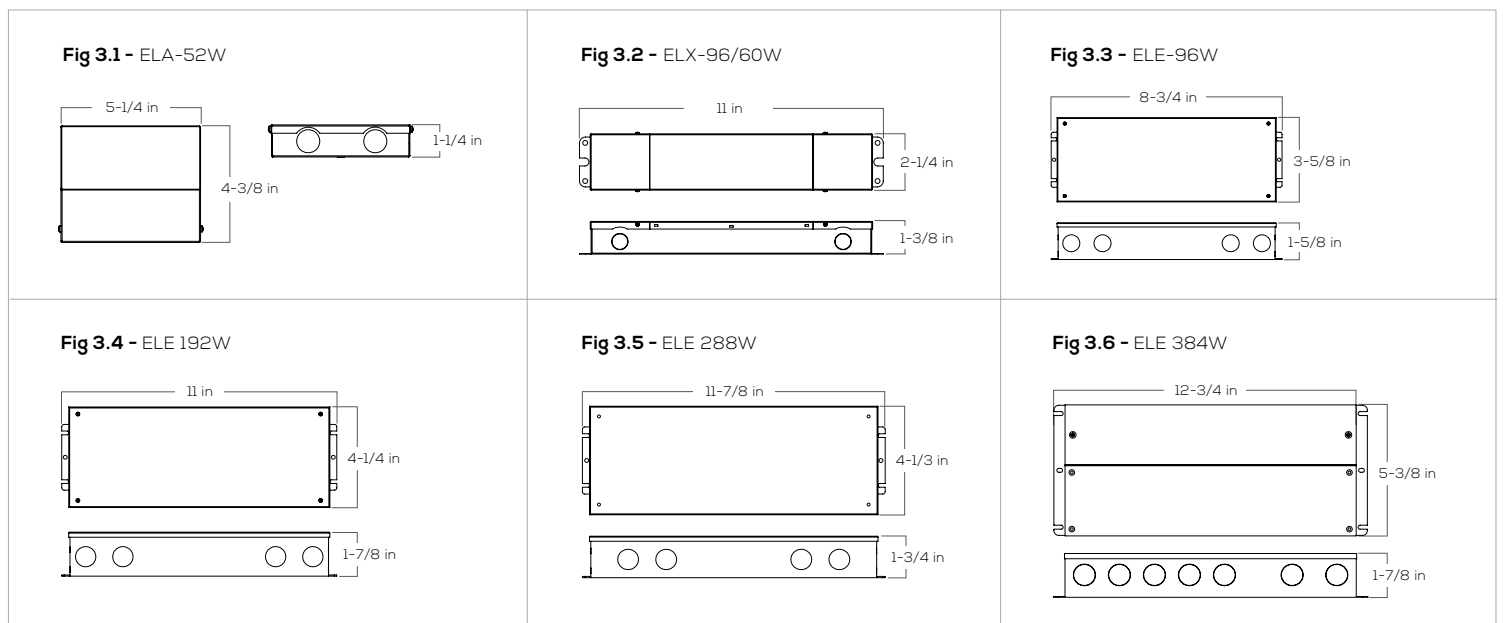
U TECHNOLOGY POWER SUPPLY FEATURES

- CSA to cUL Standards Certification | Class 2, Class P, Type HL
- Rated for Temperatures -40°C to +40°C | Dry Location
- All isolated channels are below 100W and in accordance with Class 2 Certification



Class 2

TABLE 2.0 - POWER SUPPLY DIMENSIONS



23S SUPERFLEX SERIES

BENDABLE AND HERMETICALLY SEALED LINEAR LED LIGHT ENGINE | ARCHITECTURAL



TABLE 3.0 - CABLES AND CONNECTORS






	Connector	Description	Model	Dimensions	Part #
Hardwire	 <p>Power Input/Output 2 conductors Bare wire Silicone jacket</p>	<p>Default connection: Connect driver to fixture or to connect one fixture to another via bare-wire to bare-wire standard connection per local electrical code requirements</p>	2 wire Mono	20 AWG - 3 ft / Custom length	UT-WIRE-MONO-3FT UT-WIRE-MONO-CUSTOM
Quick Connect	 <p>Female Power Input 2 Pin Female Connector IP67</p>	Connect DC Power into fixture	2 Pin Mono	20 AWG - 10 in	UT-WIRE-QC67-2P-FW-10IN
	 <p>Male Power Output 2 Pin Male Connector IP67</p>	Connect driver DC output to fixture OR Connect a fixture DC output to another	2 Pin Mono	20 AWG - 10 in	UT-WIRE-QC67-2P-MW-10IN
	 <p>Power Extension 2 Pin Male/Female Extension IP67</p>	Connect DC Power into fixture	2 Pin Mono	20 AWG - 10 ft	UT-WIRE-QC67-2P-MF-10FT

TABLE 4.0 - WIRE COLOR CODE

LED Type	Color Code	Wire
MONO	+ RED Positive - BLACK Negative	

23S SUPERFLEX SERIES

BENDABLE AND HERMETICALLY SEALED LINEAR LED LIGHT ENGINE | ARCHITECTURAL







GLOSSARY

Mono	Mono-Color - Single-CCT, flicker-free, dimmable to 0.10% and engineered to last and exceed all expectations. Available in high CRI and high R9 values.
TW	Tunable White - Designed for precise CCT blending control for the perfect circadian rhythm design from 5000K to 2700K.
DTW	Dim-to-Warm - Automatic 3000K to 1800K dimming and CCT change to mimic halogen light bulbs using simple simple and robust dimming technology.
Solid	Continuous Solid Mono-Color - Designed to allow for dot-free lighting in any space with any lens.
RGB	Combination of Red + Green + Blue. Advanced 3-in-1 LED technology maximizes rich vivid color blending with 16.7 million possible color combinations.
RGBW	Combination of Red + Green + Blue + pure White. Advanced 4-in-1 LED technology maximizes rich vivid color blending without compromising the pure White experience.

GENERAL SUPPORT AND ORDERING:

Our specification-grade products and project support are available via your local authorized U Technology Representatives.

COMPATIBLE U TECHNOLOGY PRODUCTS

 <p>Door Sensor Up to 2" detection Part #: UT-SEN-DOR-BK</p>	 <p>Proximity Sensor Up to 5' detection Part #: UT-SEN-PIR-BK</p>	 <p>Touch Dimmer Light touch control Part #: UT-SEN-TDM-SL</p>	 <p>Invisible Switch Completely hidden control Part #: UT-SEN-INV-WH</p>
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