



Engineered Lighting Solutions

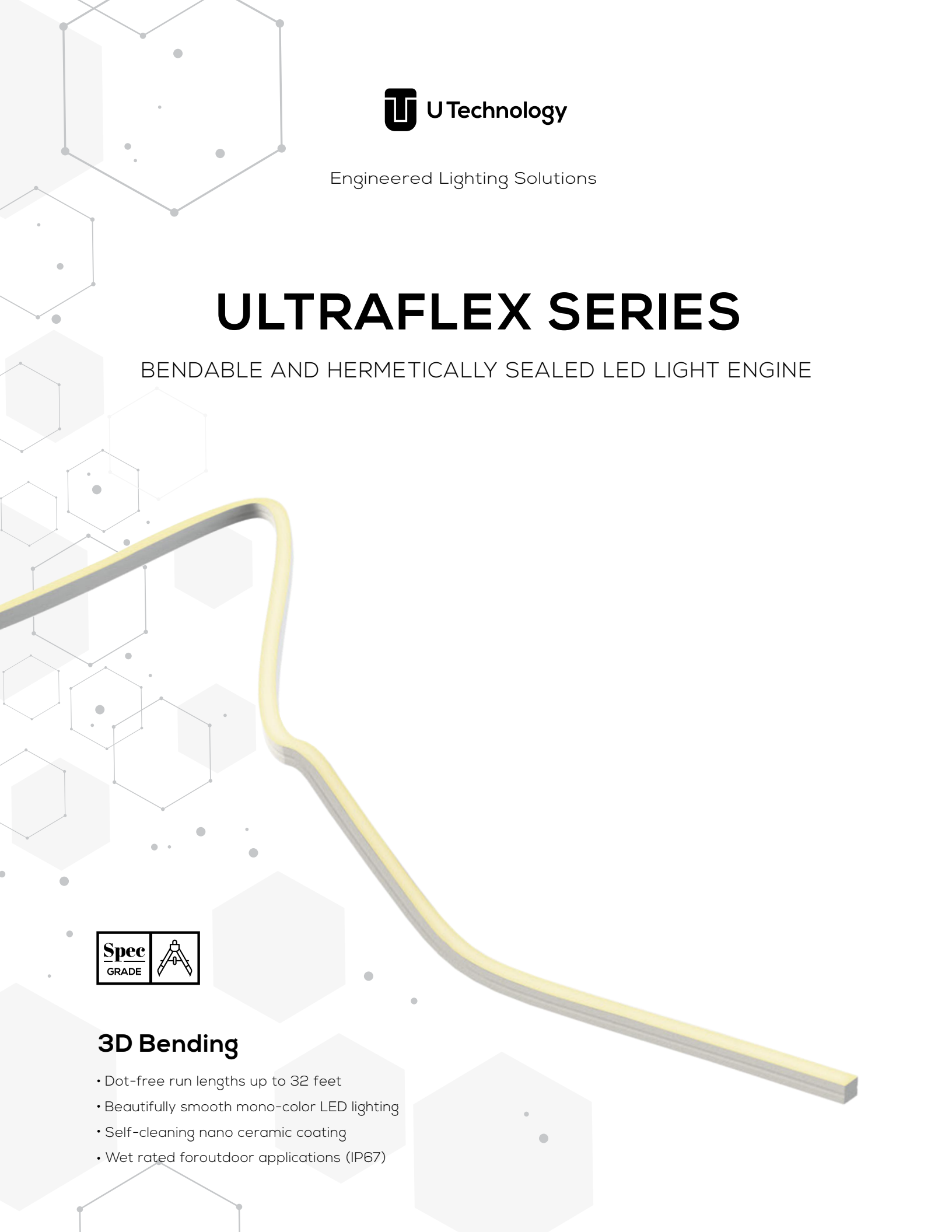
ULTRAFLEX SERIES

BENDABLE AND HERMETICALLY SEALED LED LIGHT ENGINE



3D Bending

- Dot-free run lengths up to 32 feet
- Beautifully smooth mono-color LED lighting
- Self-cleaning nano ceramic coating
- Wet rated for outdoor applications (IP67)



ULTRAFLEX SERIES - 3D BENDING

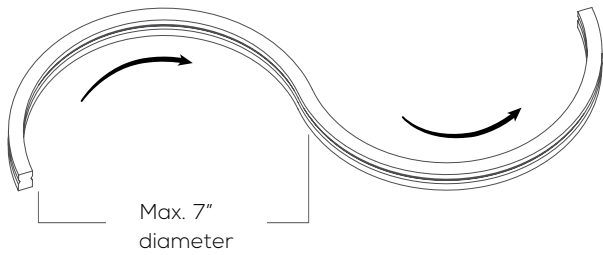


BENDABLE AND HERMETICALLY SEALED LINEAR LED LIGHT ENGINE | ARCHITECTURAL

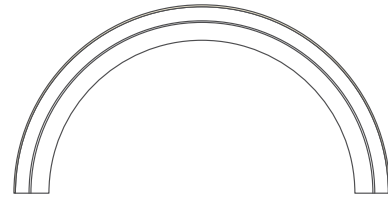
Our ULTRA FLEX 3D Series provides beautifully diffused LED lighting. This hermetically sealed light engine can be bent all directions to fit many design applications, in turn giving maximum flexibility to your projects. The Nano Ceramic Coating formulation will attract water (hydrophilic) and encapsulate dust or other debris and then the hydrophobic portion will repel the combined dirt and water from the UltraFlex. 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.

HORIZONTAL BENDING - Maximum 7" (178 mm) diameter

VERTICAL BENDING - Maximum 6" (153 mm) diameter



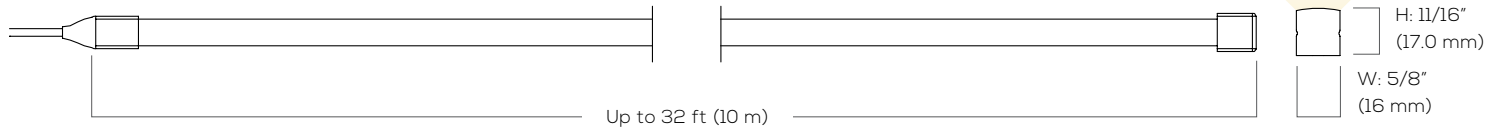
HORIZONTAL BENDING



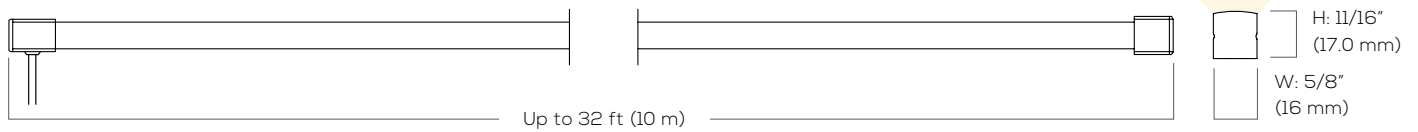
VERTICAL BENDING

Max. 6" diameter

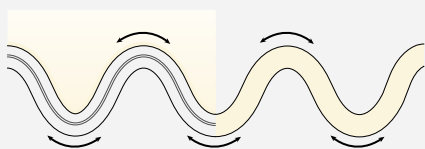
IN-LINE:



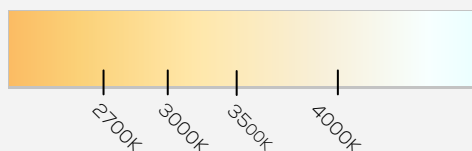
PERPENDICULAR:



3-DIMENSIONAL BENDING



CCT OPTIONS



BEAM ANGLE



ULTRAFLEX SERIES - 3D BENDING

BENDABLE AND HERMETICALLY SEALED LINEAR LED LIGHT ENGINE | ARCHITECTURAL



Part #:	UT-UF3D-24V-	Quantity:	
Project:			
Type:		Custom Wire Lead Length:	

PRODUCT SPECIFICATIONS:

Input Voltage	24V DC	Delivered CCT**	2700K, 3000K, 3500K, 4000K
Watts per Foot	3.0 W/ft	Dimming Levels	<1%
Delivered Lumens	250 Lm/ft*	Expected Life	+50,000 hrs
Cut Distance	2.18 inches (55.6 mm)	Protection	Solvent, UV, nano ceramic coating and salt water resistant
Beam Angle	150°	Mounting	Aluminum mounting channel Clips
Dimensions (inches)	H: 11/16 (17.5mm) x W: 3/4 (19mm)	Certification	cUL to CSA Standards, RoHS
Max. Run Length	~32 ft (10 m / single injection)	Warranty	5 years***
Temperature Rating	-40 to +40°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 3.0 W/ft

** The CCT tolerances occur in IP67 products due to the encapsulation of the fixture.

*** 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-UF3D-24V-	IP67	27K	30K	35K	40K

Installation Method:		Wire Connection:	
Mounting Clips	Mounting Channel	Perpendicular	In-Line

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



ARCHITECTURAL



BENDABLE



MONO-COLOR



DIMMABLE



WET-RATED

ULTRAFLEX SERIES - 3D BENDING

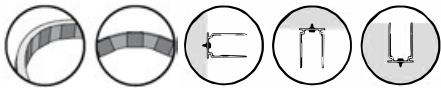
BENDABLE AND HERMETICALLY SEALED LINEAR LED LIGHT ENGINE | ARCHITECTURAL



INSTALLATION METHODS



Mounting Clip



The mounting clips are approx 1.4" long and have two screw holes for mounting.

They can be surface or recess mounted in any position.

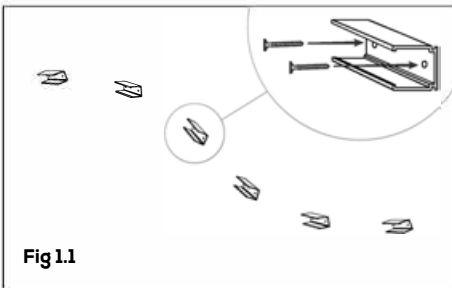


Fig 1.1

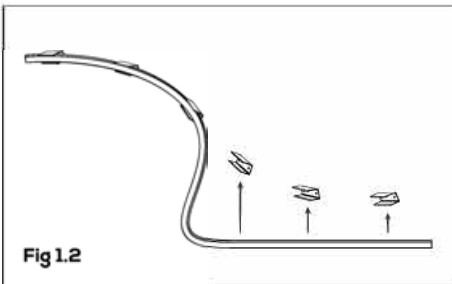


Fig 1.2

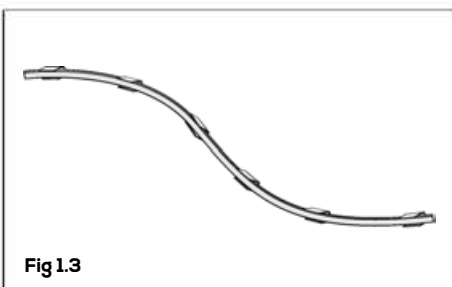
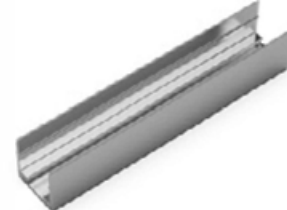


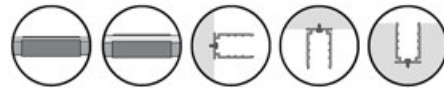
Fig 1.3

DIMENSIONS:

L: 35.0mm x W: 21.2mm x H: 19.0mm



Mounting Channel



The mounting channels are approx 3' long and have three screw holes for mounting.

They can be surface or recess mounted in any position.

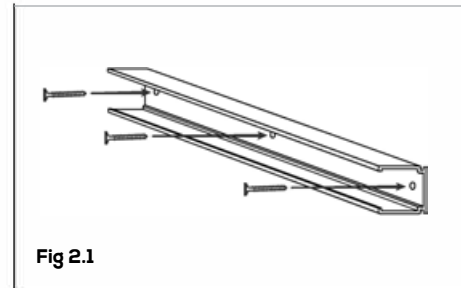


Fig 2.1

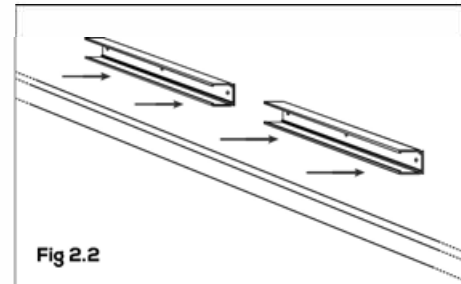


Fig 2.2

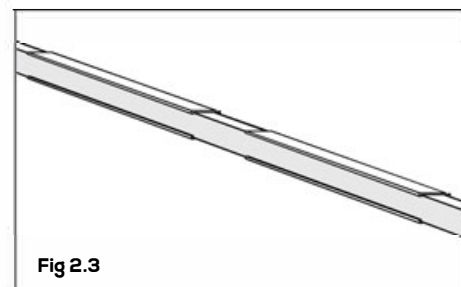


Fig 2.3

DIMENSIONS:

L: 1000mm x W: 19.3mm x H: 18.7mm

ULTRAFLEX SERIES - 3D BENDING

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

<p>Fig 3.1 - ELA-52W/24W</p>	<p>Fig 3.2 - ELX-96/60W</p>	<p>Fig 3.3 - ELE-96W</p>
<p>Fig 3.4 - ELE 192W</p>	<p>Fig 3.5 - ELE 288W</p>	<p>Fig 3.6 - ELE 384W</p>

ULTRAFLEX SERIES - 3D BENDING

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	

ULTRAFLEX SERIES - 3D BENDING

BENDABLE AND HERMETICALLY SEALED LINEAR LED LIGHT ENGINE | ARCHITECTURAL



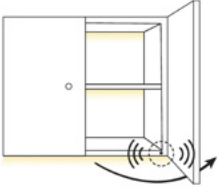


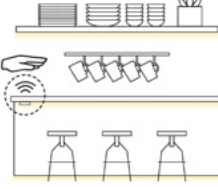
GLOSSARY

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>
--	---	---	--