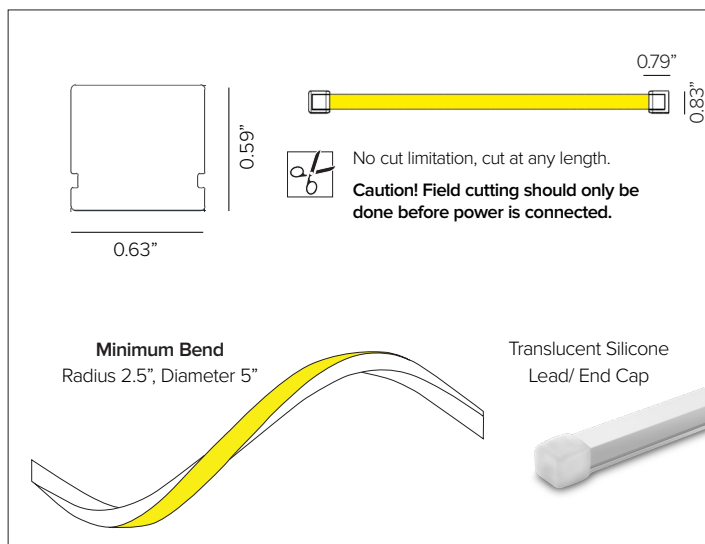
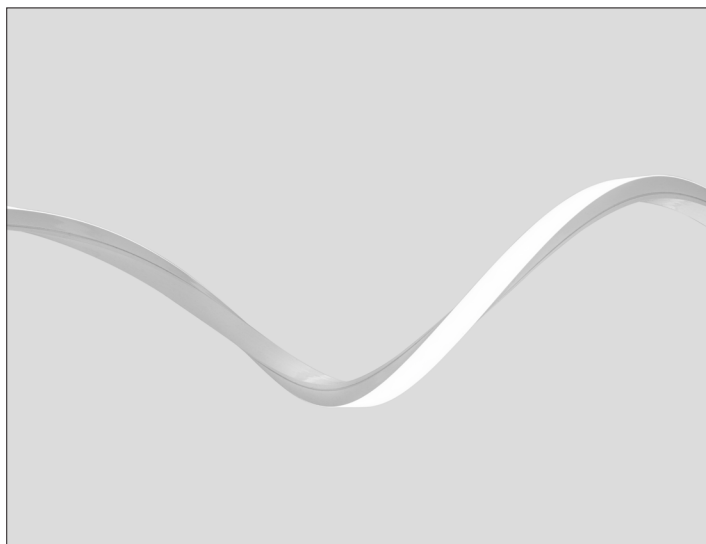


DURAFLEX ARCH TWIST

Twistable Light Strip for Continuous Light Effects



CONCEPT

DURAFLEX ARCH TWIST is the best tool for following the fluid shapes of contemporary architecture or creative lighting, obtaining unprecedented effects. A light strip that can be twisted both vertically and horizontally.

MECHANICAL CHARACTERISTICS

Materials	Extruded silicone with LED strip and milky white diffusion lens.
Functionality	Fully twistable. Field cuttable at any length can be cut at any point to create the exact length required for the project and without approximation.
Installation	Factory manufactured lengths with 12" IP65 connection lead with 12" power feed. To be completed with clip or channel mountings. Suitable for MRI installations. Driver to be mounted outside of MRI room and to be use with PVC or aluminum profiles only. To be installed with adhesive or MRI safe hardware only, no factory provided mounting hardware to be used.
Protection	IP65

CERTIFICATIONS

cULus Class 2 Listed
 Tested in accordance with LM-79-08
 Energy efficient for California installations.
 RoHS compliant

WARRANTY

5 year limited warranty

ELECTRICAL CHARACTERISTICS

Power Connection	Manufactured to specified lengths with factory attached translucent silicone end preps and various connector options for project requirements and efficient power configurations.
Wattage	2.7W/ft
Voltage	Listed Class 2 output, 24V DC power supply required
Trigger Time	< 0.2s
Number of cycles	100,000
Operating Temp.	-25°C / +35°C
Max Continuous Length	Field cuttable at any length. 16ft / 2.7W/ft

SOURCE

TM30	CCT (Nominal)	CRI	Rf	Rg	R9	DUV	SDCM
	2700K	82	85	95	10	0.0005	2
	3000K	81	84	94	10	0.0005	2
	3500K	82	83	94	2	0.0010	2
	4000K	82	83	95	5	0.0011	2

Strip & LED Details	Model	W/LED	Delivered Lumens*		Viewing Angle
			3000K	4000K	
TWIST	01W	130Lm/ft	137Lm/ft	113°	

* Meets Title 24 High efficacy rating.

Efficacy	50Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L70/B10 ≥50,000hrs at max TA +25°C

DURAFLEX ARCH TWIST

SPECIFICATION INFORMATION



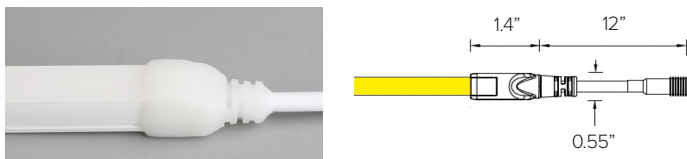
Ex: DFATW27O2724 / KT10UJVL1 / KT12UMS1 / DMLE301242UD

1 - PRODUCT CODE	2 - TYPE	3 - WATTAGE	4 - RATING	5 - KELVIN	6 - VOLTAGE
DFA — DURAFLEX ARCH	TW — Twist	27 — 2.8W/ft	O — IP65	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K	24 — 24V DC

7 - END PREP CONNECTION	8 - MOUNTING	9 - POWER SUPPLY
REQUIRED See section for details	REQUIRED See section for details	REQUIRED See section for details

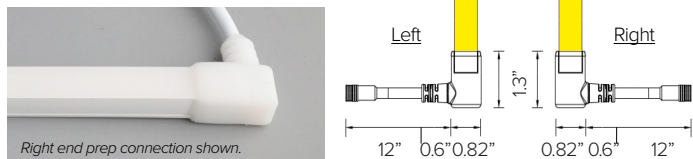
DURAFLEX ARCH TWIST

7 - END PREP CONNECTION (REQUIRED)



DURAFLEX ARCH TWIST straight end feed. Factory attached translucent silicone lead with two piece 12" wire, with IP65 quick disconnect at one end of product and dead end cap at other end. Lead wire/dead end allows for connection to power at lead end and field trim of DuraFlex product at the other end. Completed with translucent silicone factory attached end cap.

Part No. **KT12UL1**



DURAFLEX ARCH TWIST left/right side feed. Factory attached translucent silicone lead with two piece 12" wire, with IP65 quick disconnect at one end of product and dead end cap at other end. Lead wire/dead end allows for connection to power at lead end and field trim of DuraFlex product at the other end. Completed with translucent silicone factory attached end cap.

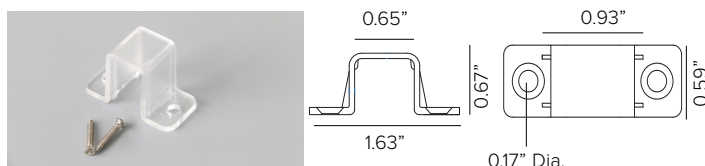
Side	Left	Right
Part No.	KT12UL2L	KT12UL2R



DURAFLEX ARCH TWIST bottom feed. Factory attached translucent silicone lead with two piece 12" wire, with IP65 quick disconnect at one end of product and dead end cap at other end. Lead wire/dead end allows for connection to power at lead end and field trim of DuraFlex product at the other end. Completed with translucent silicone factory attached end cap.

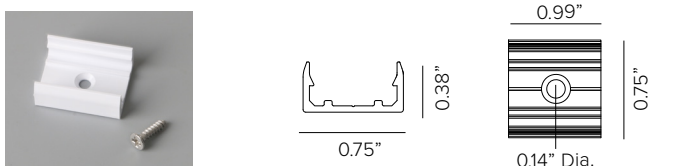
Part No. **KT12UL3**

8 - MOUNTING (REQUIRED)



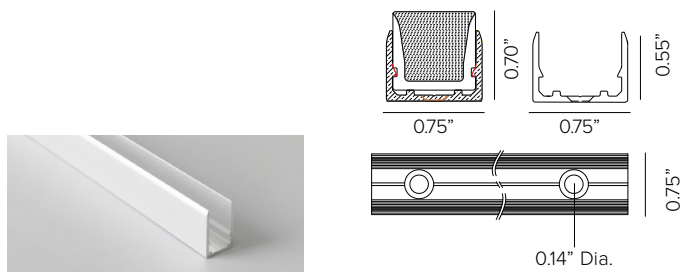
DURAFLEX ARCH TWIST transparent clips kit. Includes 5ea clips and 10ea screws.

Part No. **KT12UMS1**



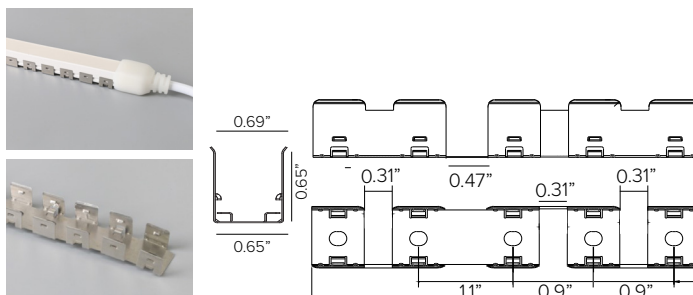
DURAFLEX ARCH TWIST bottom fixing clips. Includes 5ea clips and 5ea screws.

Part No. **KT09UTC1**



DURAFLEX ARCH TWIST aluminum rigid profile with 2ea screws. Note, termination end prep rest to outside of the profile.

Part No. **KT10UTP1**



DURAFLEX ARCH TWIST stamped stainless steel profile secured with screws, 1ea provided per foot. Available in 1ft lengths.

Part No. **KT12UFP2-10M**

DURAFLEX ARCH TWIST

9 - POWER SUPPLY (REQUIRED)

ENCLOSURE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Enclosure)	Description
DMLE301242UD	30W	MLV / ELV / 0-10V / TRIAC	MLV / ELV <10% 0-10V 1%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD electronic driver with wiring compartment.
DELV30124DJBX	30W	0-10V	0.1%	IP65	120-277V / 24V	UL Class 2	12.1" X 2.4" X 1.4"	Magnitude SOLIDrive electronic driver with built in junction box.
DMLE601242UD	60W	MLV / ELV / 0-10V / TRIAC	MLV / ELV <10% 0-10V 1%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD electronic driver with wiring compartment.
DELV60124DJBX	60W	0-10V	0.1%	IP65	120-277V / 24V	UL Class 2	12.1" X 2.4" X 1.4"	Magnitude SOLIDrive electronic driver with built in junction box.
DELX601241CPWM	60W	0-10V	1%	NEMA3R	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
DELX901241CPWM	90W	0-10V	1%	NEMA3R	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
DMLE961242UD	96W	MLV / ELV / 0-10V / TRIAC	MLV / ELV <10% 0-10V 1%	NEMA3R	120-277V / 24V	UL Class 2	5.16" X 7.73" X 1.54	EMCOD electronic driver with wiring compartment.
DELV96124DJBX	96W	0-10V	0.1%	IP65	120-277V / 24V	UL Class 2	12.1" X 2.4" X 1.4"	Magnitude SOLIDrive electronic driver with built in junction box.
DELX1802242CPWM	2X90W	0-10V	1%	NEMA3R	120-277V / 24V	UL Class 2	12" x 12" x 4"	MEANWELL electronic PWM driver.
DMLE1922242UD	2X96W	MLV / ELV / 0-10V / TRIAC	MLV / ELV <10% 0-10V 1%	NEMA3R	120-277V / 24V	UL Class 2	5.04" X 10.94" X 1.81	EMCOD electronic driver with wiring compartment.
DELI2703243CPWM	3X90W	0-10V	1%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	MEANWELL electronic PWM driver.
DMLE2882242UD	3X96W	MLV / ELV / 0-10V / TRIAC	MLV / ELV <10% 0-10V 1%	NEMA3R	120-277V / 24V	UL Class 2	5.04" X 10.94" X 1.81	EMCOD electronic driver with wiring compartment.

STAND ALONE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Standalone)	Description
DELV30124D	30W	0-10V	0.1%	IP65	120-277V / 24V	UR Class 2	7.5" X 2.4" X 1.4"	Magnitude SOLIDrive electronic standalone driver. UL listed enclosure provided by others.
DEL60PWM	60W	0-10V	1%	IP67	120-277V / 24V	UL Class 2	5.9" X 2.09" X 1.38"	MEANWELL electronic PWM driver. UL listed enclosure provided by others.
DELV60124D	60W	0-10V	0.1%	IP65	120-277V / 24V	UR Class 2	7.5" X 2.4" X 1.4"	Magnitude SOLIDrive electronic standalone driver. UL listed enclosure provided by others.
DEL90PWM	90W	0-10V	1%	IP67	120-277V / 24V	UL Class 2	6.73" X 2.48" X 1.48"	MEANWELL electronic PWM driver. UL listed enclosure provided by others.
DELV96124D	96W	0-10V	0.1%	IP65	120-277V / 24V	UR Class 2	7.5" X 2.4" X 1.4"	Magnitude SOLIDrive electronic standalone driver. UL listed enclosure provided by others.

MAX INTERCONNECTED FLEX LENGTHS PER DRIVER

Fixture Wattage	Driver Wattage							
	30W	60W	90W	96W	2X90W	2X96W	3X90W	3X96W
2.7W	8FT	17FT	25FT	27FT	(2) 25FT	(2) 51FT	(3) 48FT	(3) 52FT

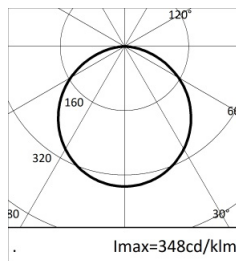
DURAFLEX ARCH TWIST

PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS



2700K		H(m)	D(m)	Emax(lx)
Ra80			113°	
Fixture Power	9W	1	3.03	139
Source Flux	400lm	2	6.06	35
Fixture Flux	400lm	3	9.08	15
Efficacy	44lm/W	4	12.11	9
Imax=348cd/klm		Imax	139cd	5
			15.14	6



3000K		H(m)	D(m)	Emax(lx)
Ra80			113°	
Fixture Power	9W	1	3.03	148
Source Flux	425lm	2	6.06	37
Fixture Flux	425lm	3	9.08	16
Efficacy	47lm/W	4	12.11	9
Imax=348cd/klm		Imax	148cd	5
			15.14	6



3500K		H(m)	D(m)	Emax(lx)
Ra80			113°	
Fixture Power	9W	1	3.03	148
Source Flux	425lm	2	6.06	37
Fixture Flux	425lm	3	9.08	16
Efficacy	47lm/W	4	12.11	9
Imax=348cd/klm		Imax	148cd	5
			15.14	6



4000K		H(m)	D(m)	Emax(lx)
Ra80			113°	
Fixture Power	9W	1	3.03	156
Source Flux	450lm	2	6.06	39
Fixture Flux	450lm	3	9.08	17
Efficacy	50lm/W	4	12.11	10
Imax=348cd/klm		Imax	156cd	5
			15.14	6