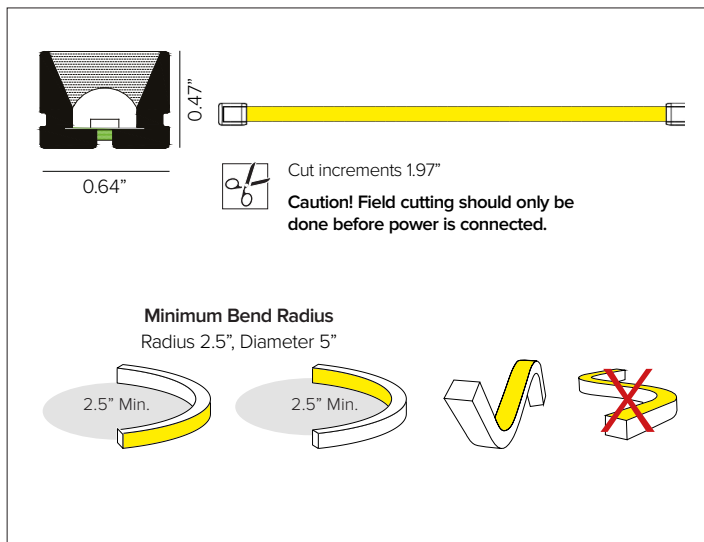


# DURAFLEX ARCH TOP FLEX RGB

## Flexible Light Strip for Continuous Dynamic Light Effects



### CONCEPT

Energy efficient LED flexible flat top “neon” light for linear continuous dynamic color changing applications.

### MECHANICAL CHARACTERISTICS

<b>Materials</b>	Extruded silicone with LED strip and milky white diffusion lens.
<b>Functionality</b>	Extremely flexible and adjustable lengths for varied architectural applications.
<b>Installation</b>	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.
<b>Protection</b>	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

<b>Power Connection</b>	Manufactured to specified lengths with factory attached translucent silicone end preps and various connector options for project requirements and efficient power configurations.
<b>Wattage</b>	4.0W/ft
<b>Voltage</b>	Listed Class 2 output, 24V DC power supply required
<b>Trigger Time</b>	< 0.2s
<b>Number of cycles</b>	100,000
<b>Operating Temp.</b>	-25°C / +35°C
<b>Max Continuous Length</b>	Field trimmable every 1.97”. 20ft / 4.0W/ft

### SOURCE

<b>LEDs</b>	36 LEDs/ft (4.0W/ft)			
<b>Spacing</b>	0.33” O.C. LED Spacing			
<b>TM30</b>	<b>CCT (Nominal)</b>	<b>SDCM</b>		
	RGB	2		
<b>Strip &amp; LED Details</b>	<b>Model</b>	<b>W/LED</b>	<b>Delivered Lumens*</b>	<b>Viewing Angle</b>
	RGB	0.1W	82Lm/ft	113°
	* Meets Title 24 High efficacy rating.			
<b>Efficacy</b>	21Lm/W max. Refer to photometric graphs for specific values.			
<b>Lifetime</b>	L70/B10 50,000hrs at max TA +25°C			

# DURAFLEX ARCH TOP FLEX RGB

## SPECIFICATION INFORMATION

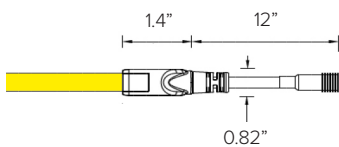
DFA						/		/		/		/		
1	2	3	4	5	6		7		8		9		10	
							<b>REQUIRED</b>		<b>OPTIONAL</b>		<b>REQUIRED</b>			

Ex: DFATB04ORGB24 / KT10UTRGL1 / KT10UTP1 / DEDD1001243CDMX

1 - PRODUCT CODE	2 - TYPE	3 - WATTAGE	4 - RATING	5 - KELVIN	6 - VOLTAGE
DFA — DURAFLEX ARCH	TB — TOP FLEX	04 — 4.0W/ft	O — IP65	RGB — RGB	24 — 24V DC
7 - END PREP CONNECTION	8 - MOUNTING	9 - DRIVER	10 - CONTROL		
<b>REQUIRED</b> <a href="#">See section for details</a>	<b>REQUIRED</b> <a href="#">See section for details</a>	<b>REQUIRED</b> <a href="#">See section for details</a>	<b>OPTIONAL</b> <a href="#">See section for details</a>		

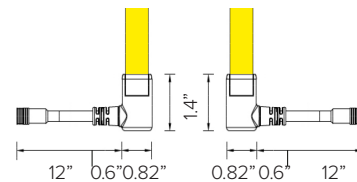
# DURAFLEX ARCH TOP FLEX RGB

## 7 - END PREP CONNECTION (REQUIRED)



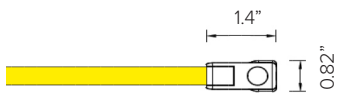
DURAFLEX ARCH TOP RGB straight end feed. Factory attached translucent silicone lead with two piece 12" wire, with IP65 quick disconnect at one end of product and dead end cap at other end. Lead wire/dead end allows for connection to power at lead end and field trim of DuraFlex product at the other end.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

Part No. **KT10UTRGBL1**



DURAFLEX ARCH TOP RGB 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.

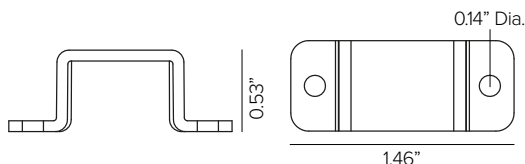
Side	Left	Right
Part No.	<b>KT10UTRGBL2</b>	<b>KT10UTRGBL2R</b>



DURAFLEX ARCH TOP RGB 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.

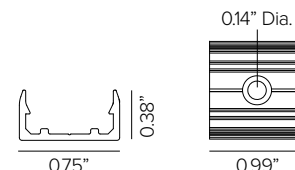
Part No. **KT10UTRGBL3**

## 8 - MOUNTING (REQUIRED)



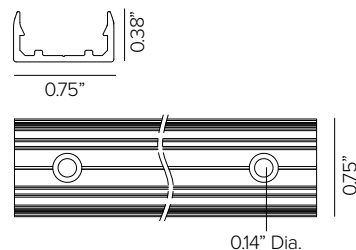
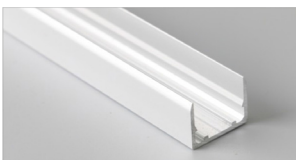
DURAFLEX ARCH TOP transparent clips kit. Includes 5 clips and 10 screws.

Part No. **KT10UTS1**



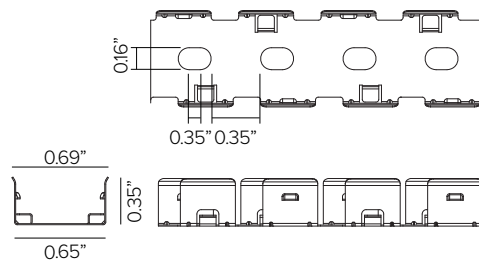
DURAFLEX ARCH TOP bottom fixing clips. Includes 5 clips and 5 screws.

Part No. **KT10UTC1**



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

Part No. **KT10UTP1**



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

Part No. **KTUTFP2**

# DURAFLEX ARCH TOP FLEX RGB






## 9 - POWER SUPPLY (REQUIRED)

ENCLOSURE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Enclosure)	Description
DEDD1001243CDMX	100W	DMX 3 Chan	0%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
DEDDI2002243CDMX	2X100W	DMX 3 Chan	0%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
STAND ALONE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Standalone)	Description
DEDD100DMX3C	100W	DMX 3 Chan	0%	IP20	120-277V / 24V	UR Class 2	9.06" x 3.15" x 1.18"	EldoLED LINEARdrive electronic driver. <b>UL Listed enclosure provided by others.</b>

### MAX INTERCONNECTED TAPE LENGTHS PER DRIVER

Fixture Wattage	100W	2X100W
	4.0W	20FT

## 10 - CONTROL (OPTIONAL)

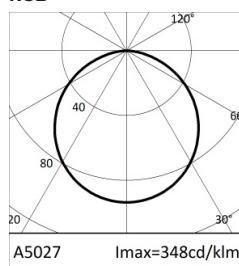
CONTROLLERS									
Part No.		Channels	Scenes	Zones	Rating	Voltage	Certification	Dimensions	Description
SWITCH20		12	1	3	Indoor	12-24V DC	UL	4.7" x 3.0" x 1.2"	RGB touch DMX512 wall control keypad with sensitive glass touch panel, white finish.
TGDMXSLESAU9		256	20	1	Indoor	5.5V DC	ETL, UL	5.3"W x 5.5"H x 1.9D	Nicolaudie Slesa smart DMX 1/2 universe programmable controller with easy to use software interface.
TGDMXSLESAU11		1024	99	5	Indoor	5VDC 120V AC <i>Plug in power supply included</i>	ETL	6.3" x 3.6" x 1.8"	Nicolaudie Slesa smart DMX interface, 2 DMX 512 universes, intuitive backlit keyboard programmable controller with easy to use software interface.
TGDMXSTICKDE3B		1024	500	10	Indoor	6-7V DC 120V AC <i>Plug in power supply included</i>	ETL	5.8" x 4.2" x 0.5"	Nicolaudie intelligent control keypad with glass touch sensitive graphic display, stand-alone DMX 512, 2 universe programmable controller with easy to use software interface. Black finish.
TGDMXSTICKDE3W		1024	500	10	Indoor	6-7V DC 120V AC <i>Plug in power supply included</i>	ETL	5.8" x 4.2" x 0.5"	Nicolaudie intelligent control keypad with glass touch sensitive graphic display, stand-alone DMX 512, 2 universe programmable controller with easy to use software interface. White finish.

# DURAFLEX ARCH TOP FLEX RGB

## PHOTOMETRY

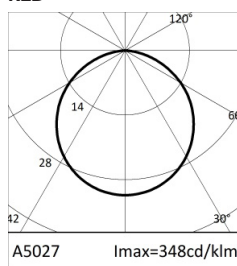
IES FILES SHOWN AT 1M (3.28FT) LENGTHS

### RGB



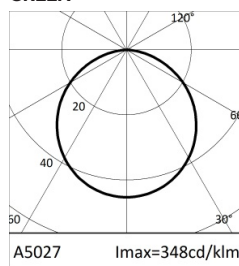
		H(m)	D(m)	E <sub>max</sub> (lx)
	-			113°
Fixture Power	14W	1	3.03	93
Source Flux	269lm	2	6.06	23
Fixture Flux	269lm	3	9.08	10
Efficacy	19lm/W	4	12.11	6
A5027	I <sub>max</sub> =348cd/klm	I <sub>max</sub>	93cd	5
			15.14	4

### RED



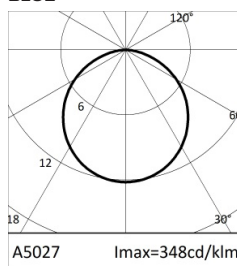
		H(m)	D(m)	E <sub>max</sub> (lx)
	-			113°
Fixture Power	4W	1	3.03	31
Source Flux	90lm	2	6.06	8
Fixture Flux	90lm	3	9.08	3
Efficacy	22lm/W	4	12.11	2
A5027	I <sub>max</sub> =348cd/klm	I <sub>max</sub>	31cd	5
			15.14	1

### GREEN



		H(m)	D(m)	E <sub>max</sub> (lx)
	-			113°
Fixture Power	7W	1	3.03	45
Source Flux	130lm	2	6.06	11
Fixture Flux	130lm	3	9.09	5
Efficacy	19lm/W	4	12.11	3
A5027	I <sub>max</sub> =348cd/klm	I <sub>max</sub>	45cd	5
			15.14	2

### BLUE



		H(m)	D(m)	E <sub>max</sub> (lx)
	-			113°
Fixture Power	3W	1	3.03	12
Source Flux	35lm	2	6.05	3
Fixture Flux	35lm	3	9.08	1
Efficacy	12lm/W	4	12.10	1
A5027	I <sub>max</sub> =348cd/klm	I <sub>max</sub>	12cd	5
			15.13	0