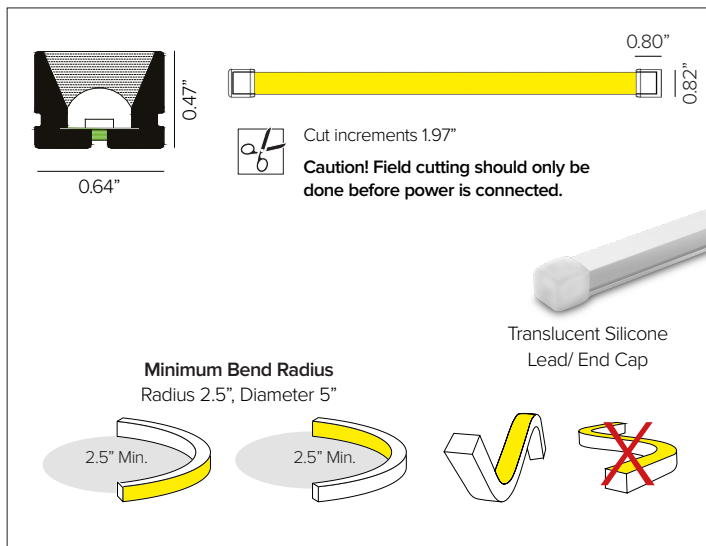
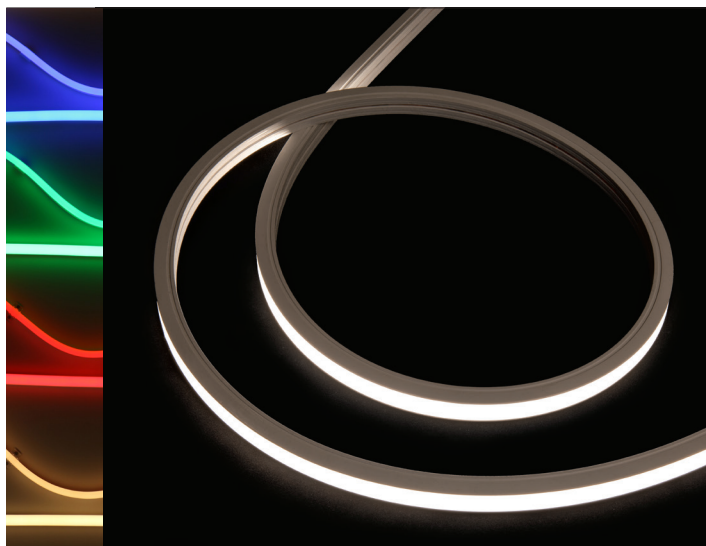


# DURAFLEX ARCH TOP FLEX

## Flexible Light Strip for Continuous Light Effects



### CONCEPT

Energy efficient LED flexible flat top neon light for linear continuous static white and monochromatic color 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>               | 2.8W/ft / 4.2W/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".<br>30ft / 2.8W/ft<br>20ft / 4.2W/ft  |

### SOURCE

|                |                        |            |           |           |           |            |             |
|----------------|------------------------|------------|-----------|-----------|-----------|------------|-------------|
| <b>LEDs</b>    | 36 LEDs/ft             |            |           |           |           |            |             |
| <b>Spacing</b> | 0.33" O.C. LED Spacing |            |           |           |           |            |             |
| <b>TM30</b>    | <b>CCT (Nominal)</b>   | <b>CRI</b> | <b>Rf</b> | <b>Rg</b> | <b>R9</b> | <b>DUV</b> | <b>SDCM</b> |
|                | 2700K                  | 82         | 85        | 95        | 5         | 0.0004     | 2           |
|                | 3000K                  | 82         | 84        | 94        | 2         | 0.0008     | 2           |
|                | 3500K                  | 82         | 84        | 95        | 5         | 0.0009     | 2           |
|                | 4000K                  | 82         | 84        | 95        | 8         | 0.0005     | 2           |
|                | Red 630nm              | -          | -         | -         | -         | -          | 2           |
|                | Green 530nm            | -          | -         | -         | -         | -          | 2           |
|                | Blue 470nm             | -          | -         | -         | -         | -          | 2           |
|                | Yellow 590nm           | -          | -         | -         | -         | -          | 2           |
|                | Orange 605nm           | -          | -         | -         | -         | -          | 2           |

| Strip & LED Details | Model | W/LED    | Delivered Lumens* |       | Viewing Angle |
|---------------------|-------|----------|-------------------|-------|---------------|
|                     |       |          | 3000K             | 4000K |               |
| 2.8W/FT             | 0.08W | 130Lm/ft | 137Lm/ft          | 113°  |               |
| 4.2W/FT             | 0.13W | 192Lm/ft | 201Lm/ft          | 113°  |               |

\* Meets Title 24 High efficacy rating.

|                 |  |
|-----------------|--|
| <b>Efficacy</b> | 47Lm/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

## SPECIFICATION INFORMATION

|     |   |   |   |   |   |   |   |   |
|-----|---|---|---|---|---|---|---|---|
| DFA |   |   |   |   |   |   |   |   |
| 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

**REQUIRED**

Ex: DFATB42O2724 / KT10UVL1 / KT10UTS1 / DMLE301242UD

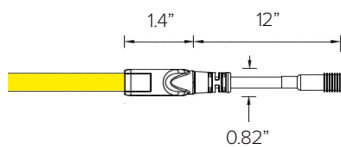
| 1 - PRODUCT CODE   | 2 - TYPE   | 3 - WATTAGE   | 4 - RATING | 5 - KELVIN  | 6 - VOLTAGE        |
|--|--|---|------------|---|--------------------|
| DFA — DURATFLEX ARCH                                       | TB — TOP Flex  | <b>28<sup>A</sup></b> — 2.8W/ft<br><b>42<sup>B</sup></b> — 4.2W/ft<br><br><b>28<sup>A</sup></b> — 2.8W/ft | O — IP65   | <b>27</b> — 2700K<br><b>30</b> — 3000K<br><b>35</b> — 3500K<br><b>40</b> — 4000K<br>2200K and 2400K available upon request.<br><br><b>RD</b> — Red<br><b>GR</b> — Green<br><b>BL</b> — Blue<br><b>YL</b> — Yellow<br><b>OR</b> — Orange | <b>24</b> — 24V DC |
| 7 - END PREP CONNECTION                                    | 8 - MOUNTING   | 9 - POWER SUPPLY  |            |   |                    |
| <b>REQUIRED</b><br><a href="#">See section for details</a> | <b>REQUIRED</b><br><a href="#">See section for details</a> | <b>REQUIRED</b><br><a href="#">See section for details</a>  |            |   |                    |

<sup>A</sup> Wattage available in static white and static color versions.

<sup>B</sup> Wattage available in static white versions only.

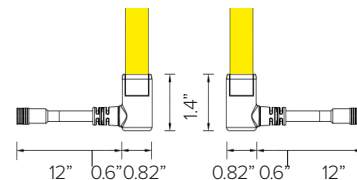
# DURAFLEX ARCH TOP FLEX

## 7 - END PREP CONNECTION (REQUIRED)



DURAFLEX ARCH TOP 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. **KT10UVL1**



DURAFLEX ARCH TOP 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.

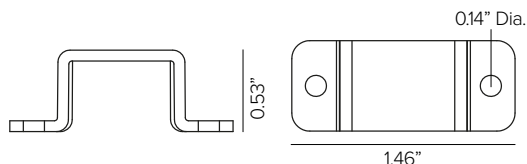
| Side     | Left             | Right            |
|----------|------------------|------------------|
| Part No. | <b>KT10UVL2L</b> | <b>KT10UVL2R</b> |



DURAFLEX ARCH TOP 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.

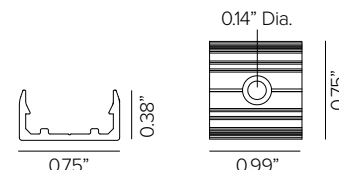
Part No. **KT10UVL3**

## 8 - MOUNTING (REQUIRED)



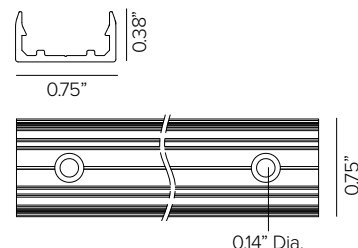
DURAFLEX ARCH TOP transparent clips kit. Includes 5 clips and 10 screws.

Part No. **KT10UTS1**



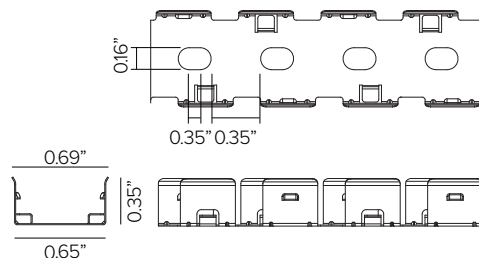
DURAFLEX ARCH TOP bottom fixing clips. Includes 5 clips and 5 screws.

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

## 9 - POWER SUPPLY (REQUIRED)

| ENCLOSURE              |         |                           |                         |        |                  |               |                        |   |
|------------------------|---------|---------------------------|-------------------------|--------|------------------|---------------|------------------------|---|
| Part No.               | Wattage | Control                   | Dim Range               | Rating | In / Out Voltage | Certification | Dimensions (Enclosure) | Description   |
| <b>DMLE301242UD</b>    | 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.                  |
| <b>DELV30124DJBX</b>   | 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. |
| <b>DMLE601242UD</b>    | 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.                  |
| <b>DELV60124DJBX</b>   | 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. |
| <b>DELX601241CPWM</b>  | 60W     | 0-10V                     | 1%                      | NEMA3R | 120-277V / 24V   | UL Class 2    | 10" x 10" x 4"         | MEANWELL electronic PWM driver.                                   |
| <b>DELX901241CPWM</b>  | 90W     | 0-10V                     | 1%                      | NEMA3R | 120-277V / 24V   | UL Class 2    | 10" x 10" x 4"         | MEANWELL electronic PWM driver.                                   |
| <b>DMLE961242UD</b>    | 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.                  |
| <b>DELV96124DJBX</b>   | 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. |
| <b>DELX1802242CPWM</b> | 2X90W   | 0-10V                     | 1%                      | NEMA3R | 120-277V / 24V   | UL Class 2    | 12" x 12" x 4"         | MEANWELL electronic PWM driver.                                   |
| <b>DMLE1922242UD</b>   | 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.                  |
| <b>DELI2703243CPWM</b> | 3X90W   | 0-10V                     | 1%                      | NEMA1  | 120-277V / 24V   | UL Class 2    | 12" x 12" x 4"         | MEANWELL electronic PWM driver.                                   |
| <b>DMLE2882242UD</b>   | 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  |
| <b>DELV30124D</b> | 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. <b>UL listed enclosure provided by others.</b> |
| <b>DEL60PWM</b>   | 60W     | 0-10V   | 1%        | IP67   | 120-277V / 24V   | UL Class 2    | 5.9" X 2.09" X 1.38"    | MEANWELL electronic PWM driver. <b>UL listed enclosure provided by others.</b>                   |
| <b>DELV60124D</b> | 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. <b>UL listed enclosure provided by others.</b> |
| <b>DEL90PWM</b>   | 90W     | 0-10V   | 1%        | IP67   | 120-277V / 24V   | UL Class 2    | 6.73" X 2.48" X 1.48"   | MEANWELL electronic PWM driver. <b>UL listed enclosure provided by others.</b>                   |
| <b>DELV96124D</b> | 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. <b>UL listed enclosure provided by others.</b> |

### MAX INTERCONNECTED FLEX LENGTHS PER DRIVER

| Fixture Wattage | Driver Wattage |      |      |      |          |          |          |          |
|-----------------|----------------|------|------|------|----------|----------|----------|----------|
|                 | 30W            | 60W  | 90W  | 96W  | 2X90W    | 2X96W    | 3X90W    | 3X96W    |
| 2.8W            | 8FT            | 17FT | 25FT | 27FT | (2) 25FT | (2) 51FT | (3) 48FT | (3) 52FT |
| 4.2W            | 5FT            | 11FT | 17FT | 18FT | (2) 17FT | (2) 25FT | (3) 24FT | (3) 35FT |

# DURAFLEX ARCH TOP FLEX

## PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

### 2.8W/ft

|        |                             |                  |       |          |       |   |
|--------|-----------------------------|------------------|-------|----------|-------|---|
|        | 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     |   |
| 934002 | I <sub>max</sub> =348cd/klm | I <sub>max</sub> | 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     |   |
| 933999 | I <sub>max</sub> =348cd/klm | I <sub>max</sub> | 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     |   |
| 933982 | I <sub>max</sub> =348cd/klm | I <sub>max</sub> | 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    |   |
| 933975 | I <sub>max</sub> =348cd/klm | I <sub>max</sub> | 156cd | 5        | 15.14 | 6 |

### 4.2W/ft

|        |                             |                  |       |          |       |   |
|--------|-----------------------------|------------------|-------|----------|-------|---|
|        | 2700K                       | H(m)             | D(m)  | Emax(lx) |       |   |
|        | Ra80                        |                  |       | 113°     |       |   |
|        | Fixture Power               | 14W              | 1     | 3.03     | 209   |   |
|        | Source Flux                 | 600lm            | 2     | 6.06     | 52    |   |
|        | Fixture Flux                | 600lm            | 3     | 9.08     | 23    |   |
|        | Efficacy                    | 43lm/W           | 4     | 12.11    | 13    |   |
| 920487 | I <sub>max</sub> =348cd/klm | I <sub>max</sub> | 209cd | 5        | 15.14 | 8 |

|        |                             |                  |       |          |       |   |
|--------|-----------------------------|------------------|-------|----------|-------|---|
|        | 3000K                       | H(m)             | D(m)  | Emax(lx) |       |   |
|        | Ra80                        |                  |       | 113°     |       |   |
|        | Fixture Power               | 14W              | 1     | 3.03     | 219   |   |
|        | Source Flux                 | 630lm            | 2     | 6.06     | 55    |   |
|        | Fixture Flux                | 630lm            | 3     | 9.08     | 24    |   |
|        | Efficacy                    | 45lm/W           | 4     | 12.11    | 14    |   |
| 920494 | I <sub>max</sub> =348cd/klm | I <sub>max</sub> | 219cd | 5        | 15.14 | 9 |

|        |                             |                  |       |          |       |   |
|--------|-----------------------------|------------------|-------|----------|-------|---|
|        | 3500K                       | H(m)             | D(m)  | Emax(lx) |       |   |
|        | Ra80                        |                  |       | 113°     |       |   |
|        | Fixture Power               | 14W              | 1     | 3.03     | 219   |   |
|        | Source Flux                 | 630lm            | 2     | 6.06     | 55    |   |
|        | Fixture Flux                | 630lm            | 3     | 9.08     | 24    |   |
|        | Efficacy                    | 45lm/W           | 4     | 12.11    | 14    |   |
| 920531 | I <sub>max</sub> =348cd/klm | I <sub>max</sub> | 219cd | 5        | 15.14 | 9 |

|        |                             |                  |       |          |       |   |
|--------|-----------------------------|------------------|-------|----------|-------|---|
|        | 4000K                       | H(m)             | D(m)  | Emax(lx) |       |   |
|        | Ra80                        |                  |       | 113°     |       |   |
|        | Fixture Power               | 14W              | 1     | 3.03     | 229   |   |
|        | Source Flux                 | 660lm            | 2     | 6.06     | 57    |   |
|        | Fixture Flux                | 660lm            | 3     | 9.08     | 25    |   |
|        | Efficacy                    | 47lm/W           | 4     | 12.11    | 14    |   |
| 920548 | I <sub>max</sub> =348cd/klm | I <sub>max</sub> | 229cd | 5        | 15.14 | 9 |