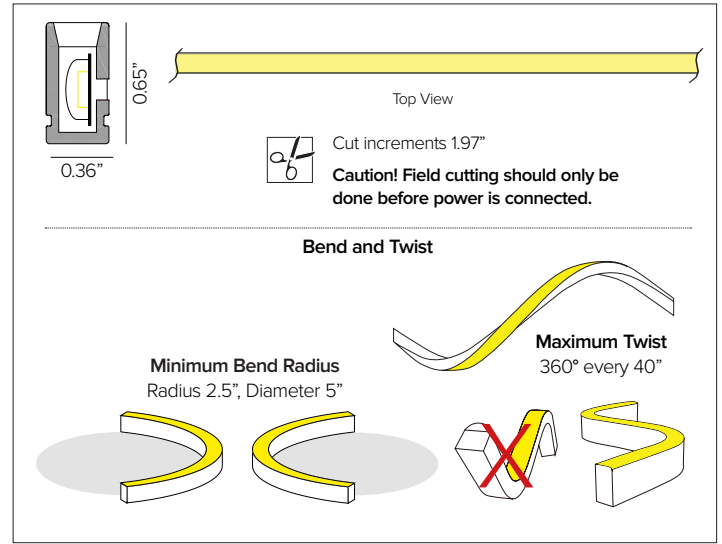
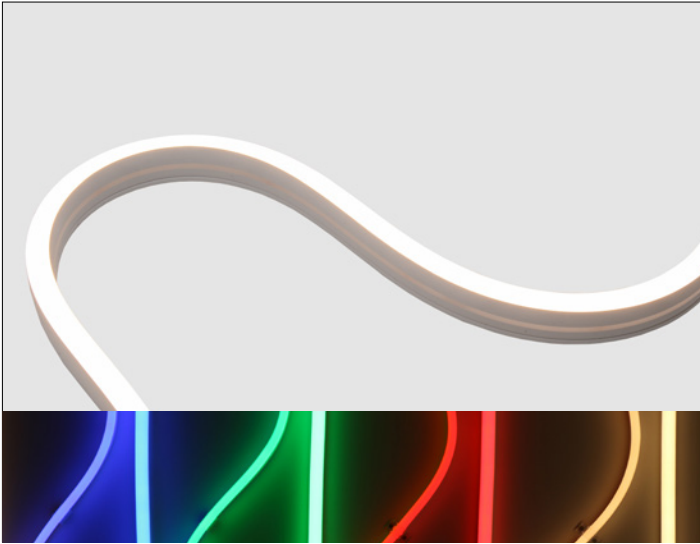


# DURAFLEX LUMA SIDE

## Flexible Light Strip for Continuous Light Effects



### CONCEPT

Energy efficient LED flexible 'neon' linear with flat lens for 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>	Manufacturer pre-assembled to specific project lengths with factory attached end prep assemblies. 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>	IP67 (For use in outdoor or indoor applications).

### CERTIFICATIONS

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

MRI Safe, driver to be mounted outside of MRI room. To be use with plastic or aluminum profiles only. To be installed with adhesive or MRI safe hardware only, no factory provided mounting hardware to be used.

### WARRANTY

5 year limited warranty

### ELECTRICAL CHARACTERISTICS

<b>Power Connection</b>	Factory attached end prep, see available options. Remote Class 2 120V-277V AC power supply required, see available options.
<b>Wattage</b>	2.8W/ft / 4.3W/ft
<b>Voltage</b>	24V DC
<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>	30ft / 2.8W/ft 16ft / 4.3W/ft Factory manufactured individual run lengths. Field trimmable every 1.97\".

### SOURCE

<b>LEDs</b>	43 LEDs/ft
<b>Spacing</b>	0.28" 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>
	2200K 94 92 100 64 -0.0006 2
	2400K 94 93 99 65 0.0005 2
	2700K 93 92 100 64 0.0001 2
	3000K 93 92 100 66 0.0003 2
	3500K 94 93 100 74 0.0015 2
	4000K 94 93 100 81 0.0009 2

<b>Flex &amp; LED Details</b>	<b>CCT</b> <b>W/LED</b> <b>Efficacy*</b> <b>Delivered Lumens</b> <b>Viewing Angle</b>
<i>Data represents 4.3W/ft version only, refer to photometry section for all fixture variations.</i>	2200K 0.10W 36Lm/W 152Lm/ft 114°
	2400K 0.10W 38Lm/W 163Lm/ft 114°
	2700K 0.10W 41Lm/W 173Lm/ft 114°
	3000K 0.10W 42Lm/W 179Lm/ft 114°
	3500K 0.10W 44Lm/W 186Lm/ft 114°
	4000K 0.10W 43Lm/W 184Lm/ft 114°

\* Meets Title 24 High efficacy rating.

<b>Lifetime</b>	L70/B10 ≥50,000hrs at max TA +25°C
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# DURAFLEX LUMA SIDE

## SPECIFICATION INFORMATION

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

Ex: DFSB43O2724/ KT10UUVL1/ KT10UVC1/ DMLE301242UD

1 - PRODUCT CODE	2 - BEND	3- WATTAGE	4 - RATING	5 - KELVIN	6 - VOLTAGE
DFA — DURAFLEX	SB — LUMA SIDE HORIZONTAL	28 — 2.8W/ft	O — IP65	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K <i>Consult factory for 2200K &amp; 2400K versions.</i>	24 — 24V DC
DFA — DURAFLEX	SB — LUMA SIDE HORIZONTAL	43 — 4.3W/ft	O — IP65	22 — 2200K 24 — 2400K 27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K	24 — 24V DC
DFA — DURAFLEX	SB — LUMA SIDE HORIZONTAL	28 — 2.8W/ft	O — IP65	RD — Red GR — Green BL — Blue YL — Yellow OR — Orange	24 — 24V DC
7 - END PREP CONNECTION	8 - MOUNTING	9 - POWER SUPPLY			
<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>			

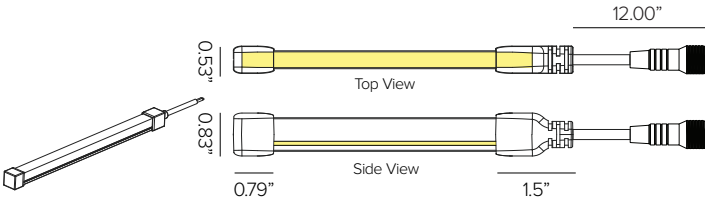
# DURAFLEX LUMA SIDE

## 7 - END PREP CONNECTION (REQUIRED)



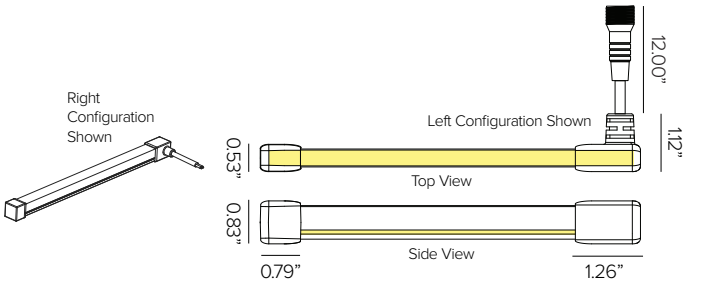
### TRANSLUCENT SILICONE:

Purchase by length only, factory assembled. Field cuttable.  
Caution! Field cutting should only be done before power is connected.



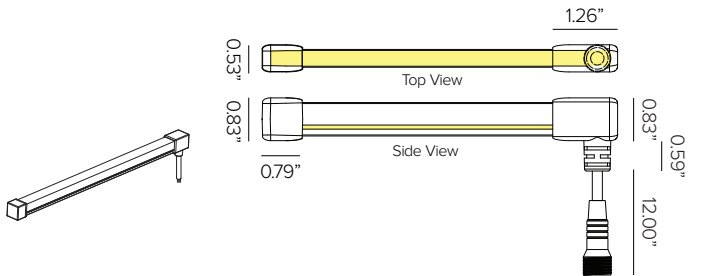
DURAFLEX SIDE translucent silicone straight end prep connection, factory pre-assembled. Lead wire/dead end allows for connection to power at lead end and field trim of DURAFLEX product at the other end. Completed with translucent silicone factory attached end cap.

Part No. **KT10UVL1**



DURAFLEX SIDE translucent silicone side (left/right) end prep connection, factory pre-assembled. 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>

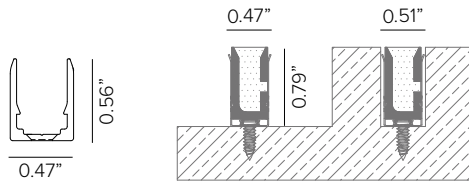
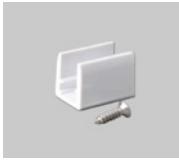


DURAFLEX SIDE translucent silicone bottom end prep connection, factory pre-assembled. Lead wire/dead end allows for connection to power at lead end and field trim of DURAFLEX product at the other end. Completed with translucent silicone factory attached end cap.

Part No. **KT10UVL3**

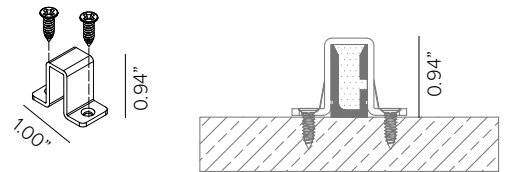
# DURAFLEX LUMA SIDE

## 8 - MOUNTING (REQUIRED)



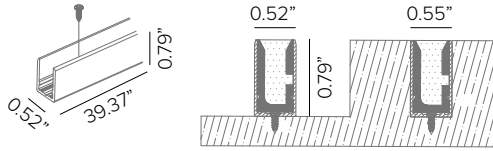
DURAFLEX SIDE bottom fixing clips. Includes 5ea clips and 5ea screws.

Part No. **KT15UVC1**



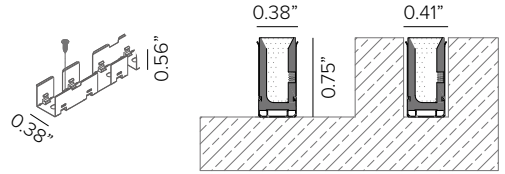
DURAFLEX SIDE transparent clips kit. Includes 5ea clips and 10ea screws.

Part No. **KT10UVS1**



DURAFLEX SIDE aluminum rigid profile with 2ea screws.  
Dimension: 39" (1M) Length. **Note, translucent cap style and bottom termination end prep configurations rest outside of the profile.**

Part No. **KT10UVP1**



DURAFLEX SIDE flexible stamped stainless steel profile secured with screws, 1ea provided per foot. Available in 1ft lengths. **Note, translucent cap style and bottom termination end prep configurations rest outside of the profile.**

Part No. **KT15UVFP2**

# DURAFLEX LUMA SIDE

## 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	0-10V 0% MLV <10% ELV <10%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD electronic driver with wiring compartment.
<b>DMLE601242UD</b>	60W	MLV / ELV / 0-10V / TRIAC	0-10V 0% MLV <10% ELV <10%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD electronic driver with wiring compartment.
<b>DELI601241CPWM</b>	60W	0-10V	1%	NEMA1	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
<b>DELX601241CPWM</b>	60W	0-10V	1%	NEMA3R	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
<b>DELI901241CPWM</b>	90W	0-10V	1%	NEMA1	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	0-10V 0% MLV <10% ELV <10%	NEMA3R	120-277V / 24V	UL Class 2	5.16" X 7.73" X 1.54	EMCOD electronic driver with wiring compartment.
<b>DELV96124D</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>DELI1802242CPWM</b>	2X90W	0-10V	1%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	MEANWELL electronic PWM driver.
<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	0-10V 0% MLV <10% ELV <10%	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>DELX2703243CPWM</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	0-10V 0% MLV <10% ELV <10%	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>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>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>

### 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
	4.3W	5FT	11FT	17FT	18FT	(2) 17FT	(2) 25FT	(3) 24FT	(3) 35FT

# DURAFLEX LUMA SIDE

## PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

2.8W/ft

	2700K	H(m)	D(m)	Emax(lx)
	Ra80		114°	
	Fixture Power	9W	1	3.06
	Source Flux	250lm	2	6.11
	Fixture Flux	250lm	3	9.17
	Efficacy	28lm/W	4	12.23
	933906 Imax=340cd/klm	Imax	85cd	5

	3000K	H(m)	D(m)	Emax(lx)
	Ra80		114°	
	Fixture Power	9W	1	3.06
	Source Flux	265lm	2	6.11
	Fixture Flux	265lm	3	9.17
	Efficacy	29lm/W	4	12.23
	933883 Imax=340cd/klm	Imax	90cd	5

	3500K	H(m)	D(m)	Emax(lx)
	Ra80		114°	
	Fixture Power	9W	1	3.06
	Source Flux	265lm	2	6.11
	Fixture Flux	265lm	3	9.17
	Efficacy	29lm/W	4	12.23
	933876 Imax=340cd/klm	Imax	90cd	5

	4000K	H(m)	D(m)	Emax(lx)
	Ra80		114°	
	Fixture Power	9W	1	3.06
	Source Flux	275lm	2	6.11
	Fixture Flux	275lm	3	9.17
	Efficacy	31lm/W	4	12.23
	933869 Imax=340cd/klm	Imax	93cd	5

4.3W/ft

	2200K	H(m)	D(m)	Emax(lx)
	Ra94		112°	
	Fixture Power	14W	1	2.99
	Source Flux	498lm	2	5.99
	Fixture Flux	498lm	3	8.98
	Efficacy	35lm/W	4	11.98
	Imax=327cd/klm	Imax	163cd	5

	2400K	H(m)	D(m)	Emax(lx)
	Ra94		112°	
	Fixture Power	14W	1	2.99
	Source Flux	534lm	2	5.97
	Fixture Flux	534lm	3	8.96
	Efficacy	38lm/W	4	11.94
	Imax=328cd/klm	Imax	175cd	5

	2700K	H(m)	D(m)	Emax(lx)
	Ra93		113°	
	Fixture Power	14W	1	3.01
	Source Flux	568lm	2	6.03
	Fixture Flux	568lm	3	9.04
	Efficacy	40lm/W	4	12.05
	Imax=327cd/klm	Imax	186cd	5

	3000K	H(m)	D1(m)	D2(m)	Emax(lx)
	Ra93		113°	115°	
	Fixture Power	14W	1	3.00	3.18
	Source Flux	588lm	2	6.00	6.36
	Fixture Flux	588lm	3	9.00	9.55
	Efficacy	42lm/W	4	12.00	12.73
	Imax=327cd/klm	Imax	193cd	5	15.00

	3500K	H(m)	D(m)	Emax(lx)
	Ra94		112°	
	Fixture Power	14W	1	2.99
	Source Flux	611lm	2	5.98
	Fixture Flux	610lm	3	8.97
	Efficacy	43lm/W	4	11.97
	Imax=327cd/klm	Imax	200cd	5

	4000K	H(m)	D(m)	Emax(lx)
	Ra94		113°	
	Fixture Power	14W	1	3.00
	Source Flux	605lm	2	6.01
	Fixture Flux	605lm	3	9.01
	Efficacy	43lm/W	4	12.02
	Imax=328cd/klm	Imax	198cd	5