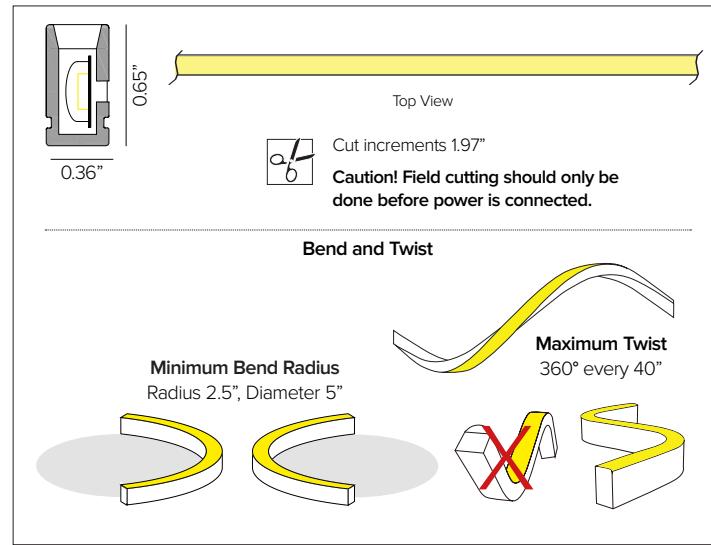
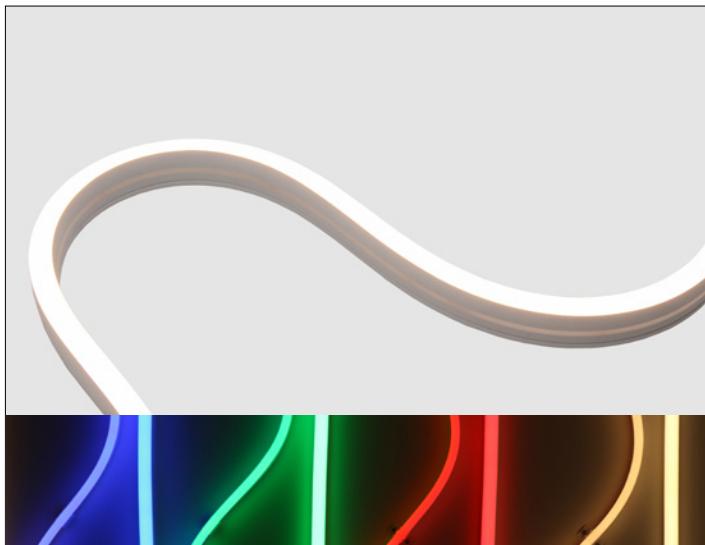


DURAFLEX LUMA SIDE

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

Materials	Extruded silicone with LED strip and milky white diffusion lens.
Functionality	Extremely flexible and adjustable lengths for varied architectural applications.
Installation	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 used 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	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 used 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

Power Connection	Factory attached end prep, see available options. Remote Class 2 120V-277V AC power supply required, see available options.
Wattage	2.8W/ft / 4.3W/ft
Voltage	24V DC
Trigger Time	< 0.2s
Number of cycles	100,000
Operating Temp.	-25°C / +35°C
Max Continuous Length	30ft / 2.8W/ft 16ft / 4.3W/ft Factory manufactured individual run lengths. Field trimmable every 1.97".

SOURCE

LEDs	43 LEDs/ft																																																	
Spacing	0.28" O.C. LED Spacing																																																	
TM30	<table> <thead> <tr> <th>CCT (Nominal)</th> <th>CRI</th> <th>R_f</th> <th>R_g</th> <th>R₉</th> <th>DUV</th> <th>SDCM</th> </tr> </thead> <tbody> <tr> <td>2200K</td> <td>94</td> <td>92</td> <td>100</td> <td>64</td> <td>-0.0006</td> <td>2</td> </tr> <tr> <td>2400K</td> <td>94</td> <td>93</td> <td>99</td> <td>65</td> <td>0.0005</td> <td>2</td> </tr> <tr> <td>2700K</td> <td>93</td> <td>92</td> <td>100</td> <td>64</td> <td>0.0001</td> <td>2</td> </tr> <tr> <td>3000K</td> <td>93</td> <td>92</td> <td>100</td> <td>66</td> <td>0.0003</td> <td>2</td> </tr> <tr> <td>3500K</td> <td>94</td> <td>93</td> <td>100</td> <td>74</td> <td>0.0015</td> <td>2</td> </tr> <tr> <td>4000K</td> <td>94</td> <td>93</td> <td>100</td> <td>81</td> <td>0.0009</td> <td>2</td> </tr> </tbody> </table>	CCT (Nominal)	CRI	R _f	R _g	R ₉	DUV	SDCM	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
CCT (Nominal)	CRI	R _f	R _g	R ₉	DUV	SDCM																																												
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																																												

Flex & LED Details	CCT	W/LED	Efficacy*	Delivered Lumens	Viewing Angle
Data represents 4.3W/ft version only, refer to photometry section for all fixture variations.	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.

Lifetime	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

Ex: DFSB4302724/KT10UVL1/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 <small>Consult factory for 2200K & 2400K versions.</small>	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				
REQUIRED See section for details	REQUIRED See section for details	REQUIRED See section for details				

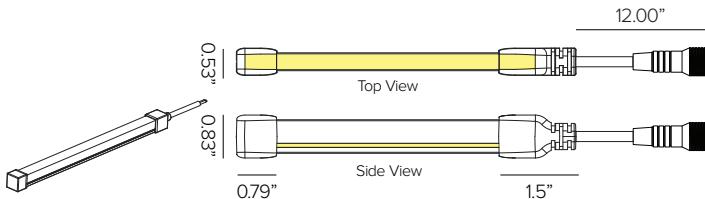
DURAFLEX LUMA SIDE

7 - END PREP CONNECTION (REQUIRED)



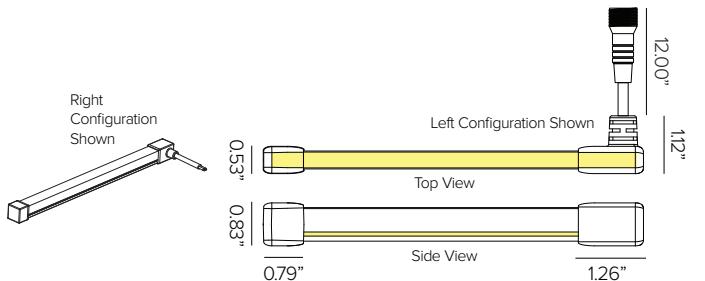
TRANSLUCENT SILICONE:

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.

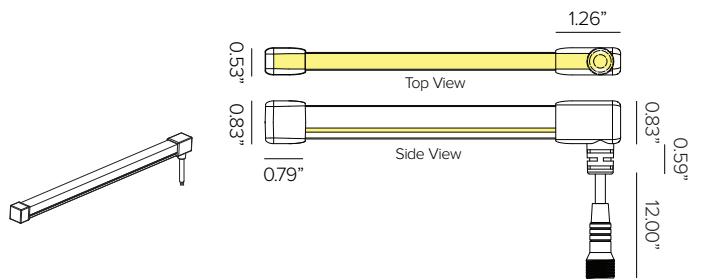
Part No. **KT10UVL1**



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
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Part No. **KT10UVL2L** **KT10UVL2R**

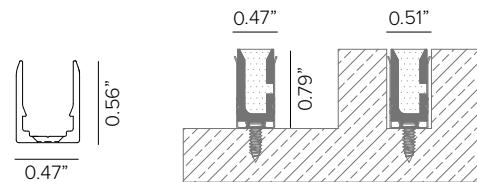


DURAFLEX SIDE translucent silicone bottom end prep connection, factory pre-assembled. Lead wire/dead end allows for connection to power at lead end and field trim of DURAFLEX product at the other end. Completed with translucent silicone factory attached end cap.

Part No. **KT10UVL3**

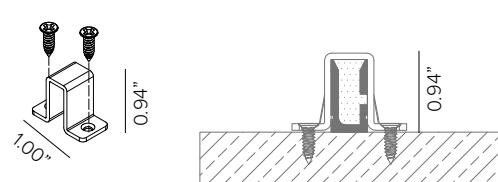
DURAFLEX LUMA SIDE

8 - MOUNTING (REQUIRED)



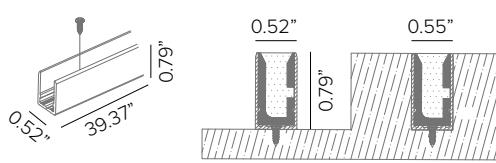
DURAFLEX SIDE bottom fixing clips. Includes 5ea clips and 5ea screws.

Part No. **KT15UVC1**



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

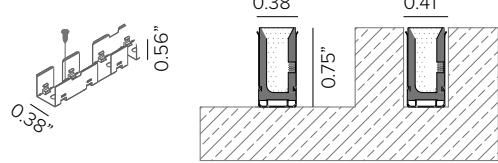
Part No. **KT10UVS1**



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
DMLE301242UD	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.
DMLE601242UD	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.
DELI601241CPWM	60W	0-10V	1%	NEMA1	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
DELX601241CPWM	60W	0-10V	1%	NEMA3R	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
DELI901241CPWM	90W	0-10V	1%	NEMA1	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	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.
DELV96124D	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.
DELI1802242CPWM	2X90W	0-10V	1%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	MEANWELL electronic PWM driver.
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	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.
DELI2703243CPWM	3X90W	0-10V	1%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	MEANWELL electronic PWM driver.
DELX2703243CPWM	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	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
DELI60PWM	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.
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.

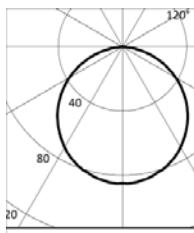
MAX INTERCONNECTED FLEX LENGTHS PER DRIVER								
Driver Wattage								
Fixture Wattage	30W	60W	90W	96W	2X90W	2X96W	3X90W	3X96W
2.8W	8FT	17FT	25FT	27FT	(2) 25FT	(2) 51FT	(3) 48FT	(3) 52FT
4.3W	5FT	11FT	17FT	18FT	(2) 17FT	(2) 25FT	(3) 24FT	(3) 35FT

DURAFLEX LUMA SIDE

PHOTOMETRY

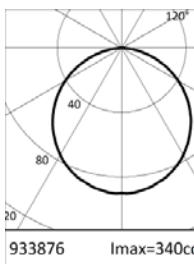
IES FILES SHOWN AT 1M (3.28FT) LENGTHS

2.8W/ft



	2700K	H(m)	D(m)	Emax(lx)
Ra80			114°	
Fixture Power	9W	1	3.06	85
Source Flux	250lm	2	6.11	21
Fixture Flux	250lm	3	9.17	9
Efficacy	28lm/W	4	12.23	5
933906	Imax=340cd/klm	Imax	85cd	5
			15.28	3

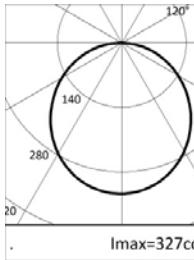
	3000K	H(m)	D(m)	Emax(lx)
Ra80			114°	
Fixture Power	9W	1	3.06	90
Source Flux	265lm	2	6.11	22
Fixture Flux	265lm	3	9.17	10
Efficacy	29lm/W	4	12.23	6
933883	Imax=340cd/klm	Imax	90cd	5
			15.28	4



	3500K	H(m)	D(m)	Emax(lx)
Ra80			114°	
Fixture Power	9W	1	3.06	90
Source Flux	265lm	2	6.11	22
Fixture Flux	265lm	3	9.17	10
Efficacy	29lm/W	4	12.23	6
933876	Imax=340cd/klm	Imax	90cd	5
			15.28	4

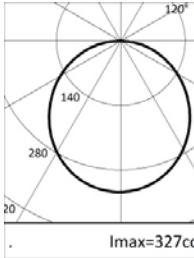
	4000K	H(m)	D(m)	Emax(lx)
Ra80			114°	
Fixture Power	9W	1	3.06	93
Source Flux	275lm	2	6.11	23
Fixture Flux	275lm	3	9.17	10
Efficacy	31lm/W	4	12.23	6
933869	Imax=340cd/klm	Imax	93cd	5
			15.28	4

4.3W/ft



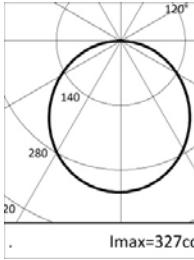
	2200K	H(m)	D(m)	Emax(lx)
Ra94			112°	
Fixture Power	14W	1	2.99	163
Source Flux	498lm	2	5.99	41
Fixture Flux	498lm	3	8.98	18
Efficacy	35lm/W	4	11.98	10
.	Imax=327cd/klm	Imax	163cd	5
			14.97	7

	2400K	H(m)	D(m)	Emax(lx)
Ra94			112°	
Fixture Power	14W	1	2.99	175
Source Flux	534lm	2	5.97	44
Fixture Flux	534lm	3	8.96	19
Efficacy	38lm/W	4	11.94	11
.	Imax=328cd/klm	Imax	175cd	5
			14.93	7



	2700K	H(m)	D(m)	Emax(lx)
Ra93			113°	
Fixture Power	14W	1	3.01	186
Source Flux	568lm	2	6.03	46
Fixture Flux	568lm	3	9.04	21
Efficacy	40lm/W	4	12.05	12
.	Imax=327cd/klm	Imax	186cd	5
			15.06	7

	3000K	H(m)	D1(m)	D2(m)	Emax(lx)
Ra93			113°	115°	
Fixture Power	14W	1	3.00	3.18	193
Source Flux	588lm	2	6.00	6.36	48
Fixture Flux	588lm	3	9.00	9.55	21
Efficacy	42lm/W	4	12.00	12.73	12
.	Imax=327cd/klm	Imax	193cd	5	15.00
			15.91	8	



	3500K	H(m)	D(m)	Emax(lx)
Ra94			112°	
Fixture Power	14W	1	2.99	200
Source Flux	611lm	2	5.98	50
Fixture Flux	610lm	3	8.97	22
Efficacy	43lm/W	4	11.97	12
.	Imax=327cd/klm	Imax	200cd	5
			14.96	8

	4000K	H(m)	D(m)	Emax(lx)
Ra94			113°	
Fixture Power	14W	1	3.00	198
Source Flux	605lm	2	6.01	50
Fixture Flux	605lm	3	9.01	22
Efficacy	43lm/W	4	12.02	12
.	Imax=328cd/klm	Imax	198cd	5
			15.02	8