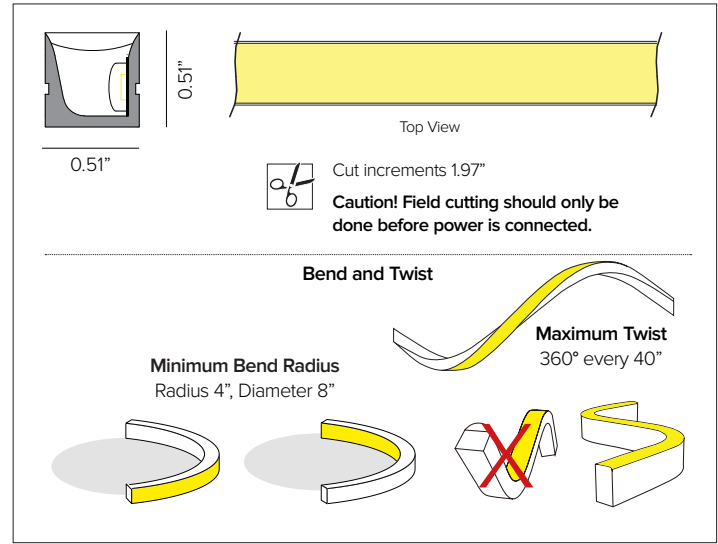
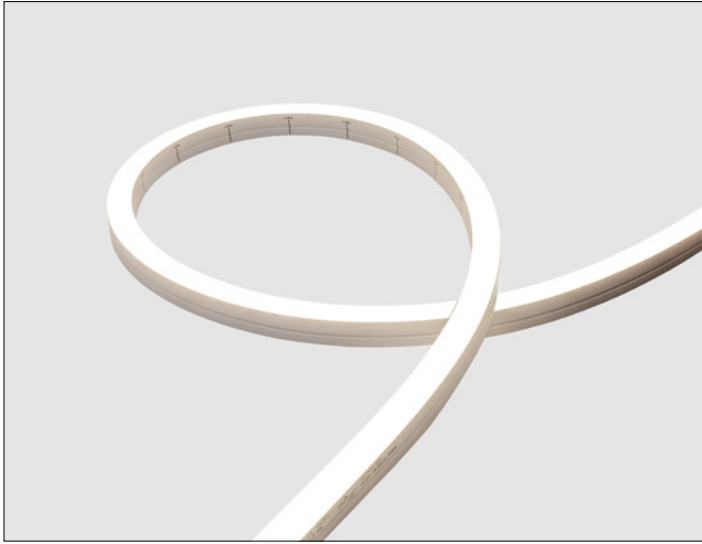


DURAFLEX HIGH EFFICIENCY – LUMA SIDE

Flexible Light Strip for Continuous Light Effects



CONCEPT

Energy efficient LED flexible 'neon' linear with flat lens for continuous static white light control with increase high efficiency output.

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 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 (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

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

SOURCE

LEDs	37 LEDs/ft						
Spacing	0.32" O.C. LED Spacing						
TM30	CCT (Nominal)	Ra	Rf	Rg	R9	DUV	SDCM
	2200K	93	90	99	52	-0.0004	3
	2400K	92	91	98	49	0.0003	3
	2700K	93	91	99	50	0.0006	3
	3000K	92	91	99	53	0.0009	3
	3500K	92	90	99	58	0.0014	3
	4000K	92	91	99	64	0.0024	3

Flex & LED Details	CCT	W/LED	Efficacy*	Delivered Lumens	Viewing Angle
	2200K	0.12W	102Lm/W	438Lm/ft	116°
	2400K	0.12W	104Lm/W	449Lm/ft	116°
	2700K	0.12W	111Lm/W	476Lm/ft	116°
	3000K	0.12W	115Lm/W	494Lm/ft	116°
	3500K	0.12W	120Lm/W	514Lm/ft	116°
	4000K	0.12W	120Lm/W	516Lm/ft	116°

* Meets Title 24 High efficacy rating.

Lifetime	L70/B10 ≥50,000hrs at max TA +25°C
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DURAFLEX HIGH EFFICIENCY – LUMA SIDE

SPECIFICATION INFORMATION

DFHE	SB					/	/	/
1	2	3	4	5	6			
						7 8 9		

Ex: DFHESB43O3024 / KT13UL1 / KT13UC1 / DMLE301242UD

1 - PRODUCT CODE	2 - BEND	3- WATTAGE	4 - RATING	5 - KELVIN	6 - VOLTAGE
DFHE — DURAFLEX HIGH EFFICIENCY	SB — LUMA SIDE HORIZONTAL	43 — 4.3W/ft	O — IP67	22 — 2200K	24 — 24V DC
				24 — 2400K	
				27 — 2700K	
				30 — 3000K	
				35 — 3500K	
				40 — 4000K	
7 - END PREP CONNECTION	8 - MOUNTING	9 - DRIVER			
<u>REQUIRED</u> See section for details	<u>REQUIRED</u> See section for details	<u>REQUIRED</u> See section for details			

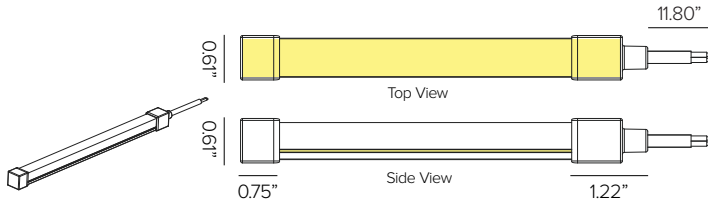
DURAFLEX HIGH EFFICIENCY – LUMA SIDE

7 - END PREP CONNECTION (REQUIRED)



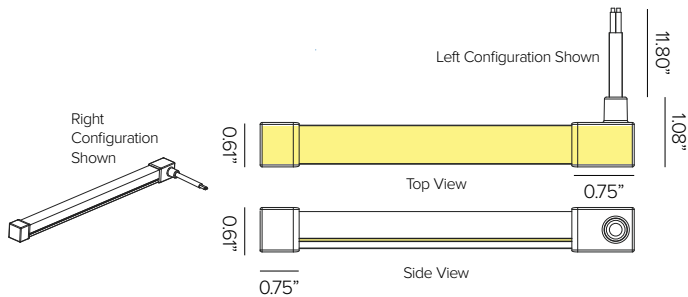
TRANSLUCENT SILICONE:

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



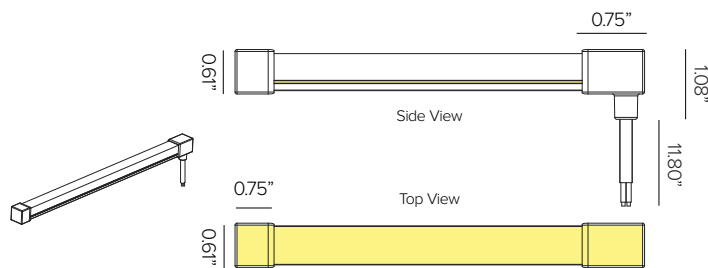
DURAFLEX HE translucent silicone straight end prep connection, factory pre-assembled. Lead wire/dead end allows for connection to power at lead end and field trim of DURAFLEX product at the other end. Completed with translucent silicone factory attached end cap.

Part No. **KT13UL1**



DURAFLEX HE 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.	KT13UL2L	KT13UL2R

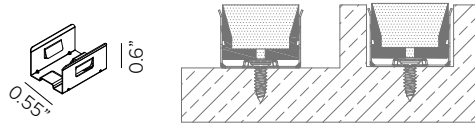


DURAFLEX HE translucent silicone bottom end prep connection, factory pre-assembled. Lead wire/dead end allows for connection to power at lead end and field trim of DURAFLEX product at the other end. Completed with translucent silicone factory attached end cap.

Part No. **KT13UL3**

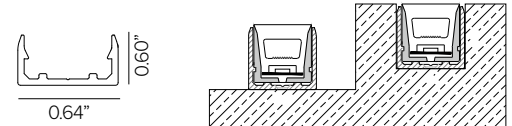
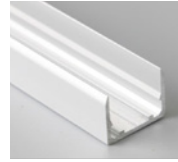
DURAFLEX HIGH EFFICIENCY – LUMA SIDE

8 - MOUNTING (REQUIRED)



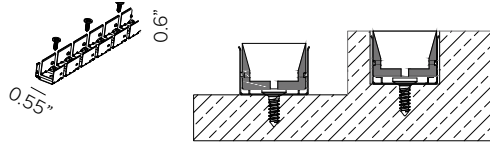
DURAFLEX HE bottom fixing clips, stainless steel. Includes 2ea clips and 2ea screws.

Part No. **KT13UC1**



DURAFLEX HE aluminum rigid profile with 2ea screws. **Note, translucent cap style and bottom termination end prep configurations rest outside of the profile.**

Part No. **KT13UP1**



DURAFLEX HE 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. **KT13UFP2**

DURAFLEX HIGH EFFICIENCY – 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
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.
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.

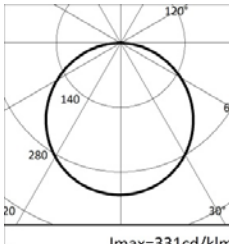
MAX INTERCONNECTED FLEX LENGTHS PER DRIVER

Fixture Wattage	Driver Wattage							
	30W	60W	90W	96W	2X90W	2X96W	3X90W	3X96W
	4.3W	5FT	11FT	17FT	18FT	(2) 17FT	(2) 25FT	(3) 24FT

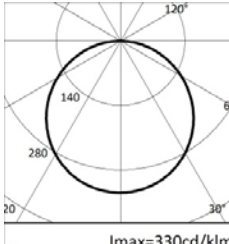
DURAFLEX HIGH EFFICIENCY – LUMA SIDE

PHOTOMETRY

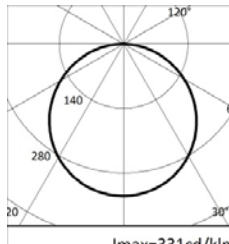
IES FILES SHOWN AT 1M (3.28FT) LENGTHS



	2200K	H(m)	D(m)	Emax(lx)
	Ra93		116°	
Fixture Power	14W	1	3.21	475
Source Flux	1437lm	2	6.42	119
Fixture Flux	1437lm	3	9.64	53
Efficacy	103lm/W	4	12.85	30
Imax=331cd/klm	Imax	475cd	5	16.06



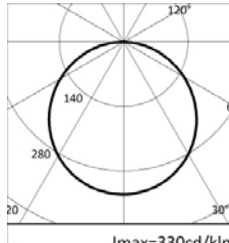
	2400K	H(m)	D(m)	Emax(lx)
	Ra92		116°	
Fixture Power	14W	1	3.22	484
Source Flux	1473lm	2	6.44	121
Fixture Flux	1473lm	3	9.66	54
Efficacy	105lm/W	4	12.87	30
Imax=330cd/klm	Imax	485cd	5	16.09



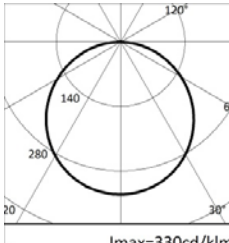
	2700K	H(m)	D(m)	Emax(lx)
	Ra93		116°	
Fixture Power	14W	1	3.21	517
Source Flux	1561lm	2	6.41	129
Fixture Flux	1561lm	3	9.62	57
Efficacy	112lm/W	4	12.82	32
Imax=331cd/klm	Imax	517cd	5	16.03
				21



	3000K	H(m)	D(m)	Emax(lx)	
	Ra92		116°		
Fixture Power	14W	1	3.22	533	
Source Flux	1620lm	2	6.45	133	
Fixture Flux	1620lm	3	9.67	59	
Efficacy	116lm/W	4	12.90	33	
Imax=330cd/klm	Imax	534cd	5	16.12	21



	3500K	H(m)	D(m)	Emax(lx)
	Ra92		116°	
Fixture Power	14W	1	3.20	557
Source Flux	1686lm	2	6.40	139
Fixture Flux	1686lm	3	9.60	62
Efficacy	120lm/W	4	12.80	35
Imax=330cd/klm	Imax	557cd	5	16.00



	4000K	H(m)	D(m)	Emax(lx)
	Ra92		116°	
Fixture Power	14W	1	3.21	559
Source Flux	1694lm	2	6.41	140
Fixture Flux	1694lm	3	9.62	62
Efficacy	121lm/W	4	12.82	35
Imax=330cd/klm	Imax	559cd	5	16.03