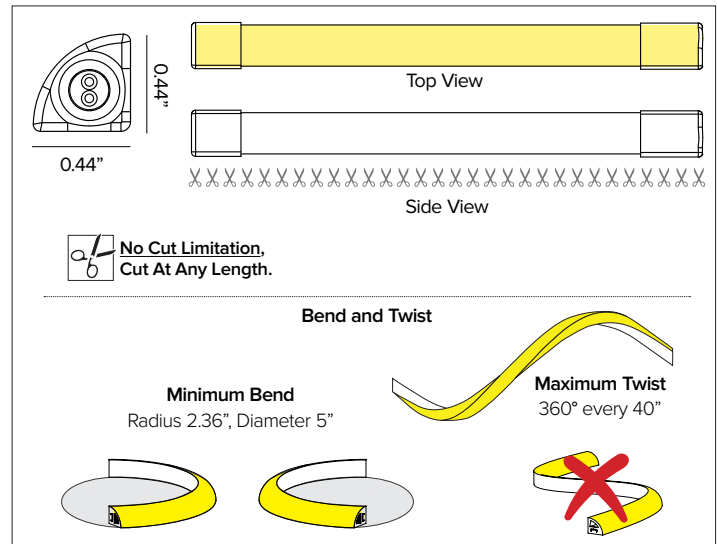


DURAFLEX EDGE 45

Flexible Angled Light Strip for Continuous Light Effects



CONCEPT

DURAFLEX EDGE 45 features a 45° right-angle profile engineered for seamless integration into corners and angular architectural details, delivering uniform illumination for wall-to-ceiling transitions, millwork, displays, and other precision 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.
Protection	Flex rated at IP67. <i>(For use in indoor/outdoor applications).</i> End prep rated at IP66. <i>Not to be used for submersible applications.</i>

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

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
Voltage	24V DC
Trigger Time	< 0.2s
Number of cycles	100,000
Operating Temp.	-25°C / +35°C
Max Continuous Length	30ft Factory manufactured individual run lengths, configurable at an length.

SOURCE

LEDs	112 LED's/ft							
TM30	CCT (Nominal)	Ra	Rf	Rg	R9	DUV	SDCM	
	2700K		93	90	99	52	-0.0003	3
	3000K		92	91	98	48	0.0004	3
	3500K		92	91	99	49	0.0009	3
	4000K		92	91	99	53	0.0009	3
Flex & LED Details	CCT	W/LED	Efficacy*	Delivered Lumens	Viewing Angle			
	3000K	0.04W	69lm/W	189lm/ft	110°x 112°			
	4000K	0.04W	74lm/W	201lm/ft	110°x 112°			
* Meets Title 24 High efficacy rating.								
Lifetime	L70/B20 60,000hrs at max TA +25°C							

DURAFLEX EDGE 45

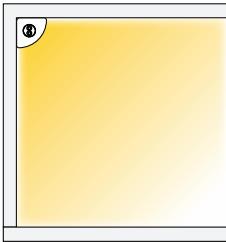
SPECIFICATION INFORMATION

DFED45								
1	2	3	4	5	6	7	8	9
							REQUIRED	

Ex: DFED45TB28O3024 / KT20UT-ANL1 / KT20UT-ANC1 / DMLE301242UD

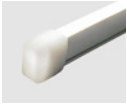
1 - PRODUCT CODE	2 - BEND	3 - WATTAGE	4 - RATING	5 - KELVIN	6 - VOLTAGE
DFED45 — DURAFLEX EDGE 45	TB — LUMA TOP VERTICAL	28 — 2.8W/ft	O — IP67	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K	24 — 24V DC
7 - END PREP CONNECTION	8 - MOUNTING	9 - POWER SUPPLY			
REQUIRED See section for details	REQUIRED See section for details	REQUIRED See section for details			

INSTALLATION EXAMPLES



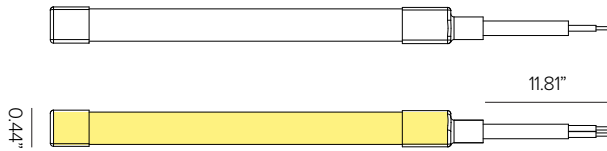
DURAFLEX EDGE 45

7 - END PREP CONNECTION (REQUIRED)



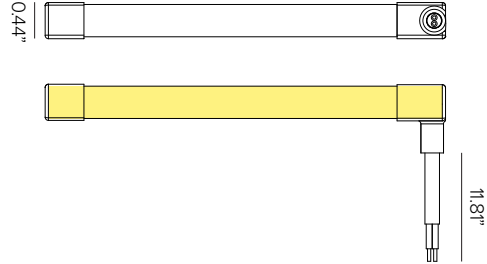
TRANSLUCENT SILICONE:

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



DURAFLEX EDGE 45 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.

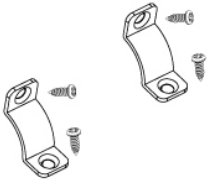
Part No. **KT20UT-ANL1**



DURAFLEX EDGE 45 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. **KT20UT-ANL3** **KT20UT-ANL3D**

8 - MOUNTING (REQUIRED)



DURAFLEX EDGE 45 transparent clips kit. Includes 5ea clips and 10ea screws.

Part No. **KT20UT-ANS1**



DURAFLEX EDGE 45 bottom fixing clips, stainless steel. Includes 5ea clips and 5ea screws.

Part No. **KT20UT-ANC1**



DURAFLEX EDGE 45 aluminum rigid profile.
Dimension: 39" (1M) Length. **Note, translucent cap style and bottom termination end prep configurations rest outside of the profile.**

Part No. **KT20UT-ANP1**

DURAFLEX EDGE 45

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.

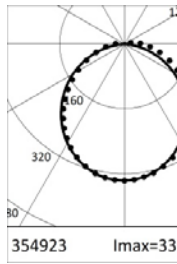
MAX TAPE LENGTHS PER DRIVER

Fixture Wattage	Driver Wattage							
	30W	60W	90W	96W	2X90W	2X96W	3X90W	3X96W
	2.8W	8FT	17FT	25FT	27FT	(2) 25FT	(2) 27FT	(3) 25FT

DURAFLEX EDGE 45

PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

	3000K		H(m)	D1(m)	D2(m)	Emax(lx)	
	Ra90			110°	112°		
	Fixture Power	9W	1	2.88	2.98	209	
	Source Flux	620lm	2	5.76	5.97	52	
	Fixture Flux	620lm	3	8.63	8.95	23	
	Efficacy	69lm/W	4	11.51	11.94	13	
	354923	I _{max} =336cd/klm	I _{max}	209cd	5	14.39	14.92

	4000K		H(m)	D1(m)	D2(m)	Emax(lx)	
	Ra90			110°	112°		
	Fixture Power	9W	1	2.88	2.98	222	
	Source Flux	660lm	2	5.76	5.97	56	
	Fixture Flux	660lm	3	8.63	8.95	25	
	Efficacy	73lm/W	4	11.51	11.94	14	
	354916	I _{max} =336cd/klm	I _{max}	222cd	5	14.39	14.92