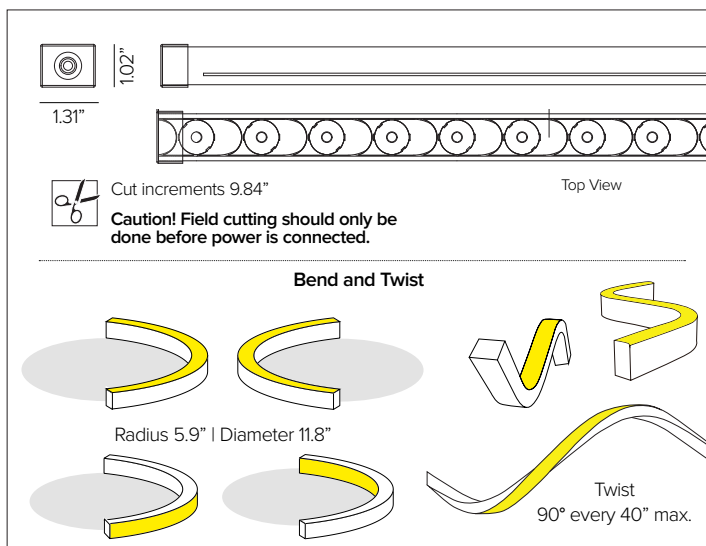
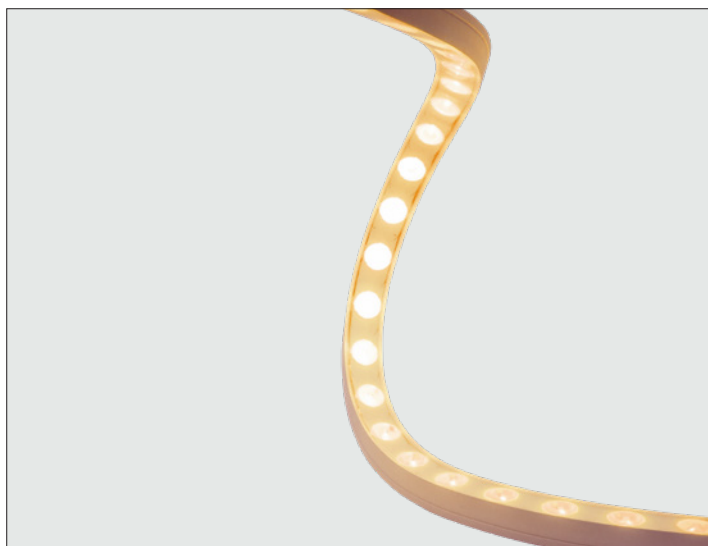


DURAFLEX OPTICS TUNABLE WHITE – LUMA DUAL

Dynamic Tunable White Flexible Linear with Dedicated Optics



CONCEPT

A high output flexible linear with dedicated optical control and tunable White light output. Dual bend functionality for use in both horizontal or vertical applications.

MECHANICAL CHARACTERISTICS

Materials	LED strip with independent optic and fully extruded silicon jacket.
Finish	● White ● Black
Functionality	Precise optical beam control for linear applications.
Installation	Field cuttable. Manufacturer pre-assembled to specific project lengths with factory attached end prep assemblies to be mounted or inserted into thermally protective profiles, see available options.
Protection	Strip jacket rated at IP67.

CERTIFICATIONS

cETLus 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 power supply with DMX/RGBW interface required, see available options. DMX 512 protocol, 0% dim range. Refer to Targetti Onsite Services for additional programming and installation support.
Wattage	76W/ft
Voltage	24V DC
Trigger Time	< 0.2s
Number of cycles	100,000
Operating Temp.	-25°C / +35°C
Max Continuous Length	Field trimmable every 9.84" 16ft

SOURCE

LEDs	7 dual chip LEDs/ft						
Spacing	17" O.C.						
TM30	CCT (Nominal)	CRI	Rf	Rg	R9	DUV	SDCM
	TW: 1800K	90	90	92	47	0.0010	3
	TW: 3000K	93	91	102	85	-0.0011	3
Strip & LED Details	Model	W/Dual Chip LED	Delivered Lumens* 3000K	Viewing Angle			
	WG	1.08	261Lm/ft	26° x 51°			
	WW	1.08	261Lm/ft	34° x 40°			
	20°	1.08	261Lm/ft	21°			
	30°	1.08	261Lm/ft	29°			
	40°	1.08	261Lm/ft	42°			
Efficacy	69Lm/W max. Refer to photometric graphs for specific values.						
Lifetime	L70/B20 >50,000hrs at max TA +25°C						

DURAFLEX OPTICS TUNABLE WHITE – LUMA DUAL

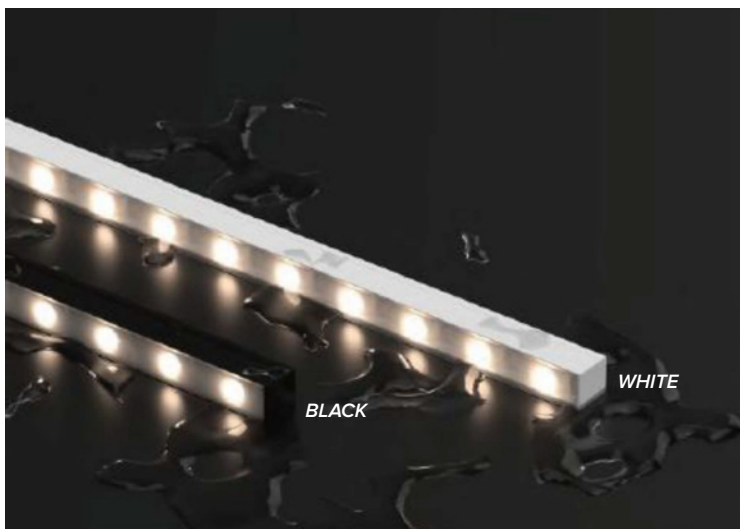
SPECIFICATION INFORMATION

DFOP	DB									
1	2	3	4	5	6	7	8	9	10	11
							REQUIRED			OPTIONAL

Ex: DFOPDB76OWGT124 / **KT22UTWL1** / KT22UC1 / DEDDX1001244CDMX

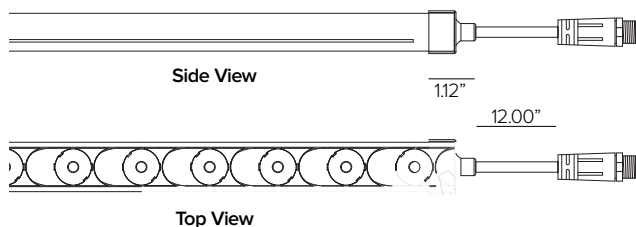
1 - PRODUCT CODE	2 - BEND	3 - JACKET	4 - WATTAGE	5 - RATING	6 - OPTICS	7 - KELVIN	8 - VOLTAGE
DFOP – DURAFLEX OPTICS	DB – LUMA DUAL BEND	W – White B – Black	76 – 7.6W/ft	O – IP67	WG – Wall Graze 26° x 51° WW – Wall Wash 34° x 40° 20 – 21° 30 – 29° 40 – 42°	TW – 1800K & 3000K	24 – 24V DC
8 - END PREP CONNECTION	9 - MOUNTING	10 - DRIVER	11 - CONTROL				
REQUIRED See section for details	REQUIRED See section for details	REQUIRED See section for details	OPTIONAL See section for details				

FINISHES



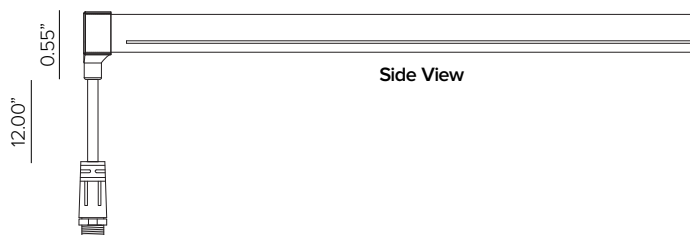
DURAFLEX OPTICS TUNABLE WHITE – LUMA DUAL

8 - END PREP CONNECTION (REQUIRED)



DURAFLEX OPTICS straight end feed kit. 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. Available in Black or White.

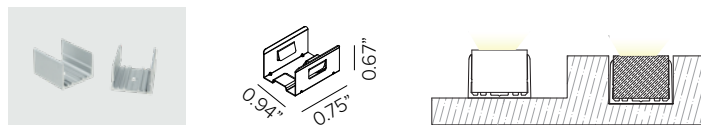
Finish	<input type="radio"/> White	<input type="radio"/> Black
Part No.	KT22UTWL1	KT22UTWBL1



DURAFLEX OPTICS bottom end feed kit. 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. Available in Black or White.

Finish	<input type="radio"/> White	<input type="radio"/> Black
Part No.	KT22UTWL3	KT22UTBL3

9 - MOUNTING (REQUIRED)



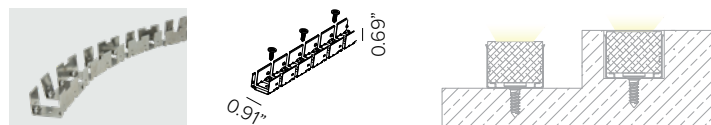
DURAFLEX OPTICS bottom fixing clips, stainless steel. Includes 5ea clips and 5ea screws.

Part No.	KT22UC1
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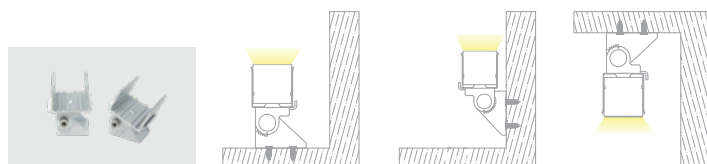
DURAFLEX OPTICS aluminum rigid profile with 2ea screws. Dimension: 39" (1M) Length. **Note, translucent cap style and bottom termination end prep configurations rest outside of the profile.**

Part No.	KT22UP1
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DURAFLEX OPTICS 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.	KT22UVP2
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DURAFLEX OPTICS adjustable bracket kit, white finish. Includes 5ea clips and 5ea screws.

Part No.	KT22UOB
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DURAFLEX OPTICS TUNABLE WHITE – LUMA DUAL

10 - POWER SUPPLY (REQUIRED)


ENCLOSURE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Enclosure)	Description
DDTI902C2410	90W	0-10V 2 Chan	0%	DRY	120-277V / 24V	UL Class 2	8.5" x 4" x 1.5"	AmbienTech electronic driver.
DDTX902C2410	90W	0-10V 2 Chan	0%	DAMP	120-277V / 24V	UL Class 2	8.5" x 4" x 1.5"	AmbienTech electronic driver.
DEDD11001242CDMX	100W	DMX 2 Chan	0%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
DEDDX1001242CDMX	100W	DMX 2 Chan	0%	NEMA3R	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
DEDDI2002242CDMX	2X100W	DMX 2 Chan	0%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
DEDDX2002242CDMX	2X100W	DMX 2 Chan	0%	NEMA3R	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.

STAND ALONE								
Part No.	Wattage	Control	Dim Range	In / Out Voltage	Certification	Dimensions (Standalone)	Description	
DEDD1001242CDA2	100W	DALI 2	0%	120-277V / 24V	TUV SELV Class 2	13.9" X 1.70" X 1.18"	LTECH intelligent tunable white electronic standalone driver. UL listed enclosure provided by others.	
DEDD1001242CDA2	100W	DALI 2	0%	120-277V / 24V	TUV SELV Class 2	13.9" X 1.70" X 1.18"	LTECH intelligent tunable white electronic standalone driver. UL listed enclosure provided by others.	

MAX INTERCONNECTED TAPE LENGTHS PER DRIVER

Fixture Wattage	100W	2X100W
	76W	10FT

11 - CONTROL (OPTIONAL)

Part No.	Channels	Scenes	Zones	Rating	Voltage	Certification	Dimensions	Description	
SWITCH23		2	6	1	Indoor	12-24V DC	UL	4.73"H x 2.95"W x 1.15"D	CCT Touch DMX512 Wall Control Panel with Sensitive Glass Touch Panel, White Finish

DURAFLEX OPTICS TUNABLE WHITE – LUMA DUAL

PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

Wall Graze

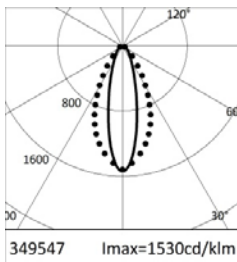
		1800K	H(m)	D1(m)	D2(m)	E _{max} (lx)
		-	26°	51°		
Fixture Power	12W	1	0.47	0.96	960	
Source Flux	628lm	2	0.94	1.91	240	
Fixture Flux	628lm	3	1.41	2.87	107	
Efficacy	50lm/W	4	1.88	3.82	60	
349547	I _{max} =1530cd/klm	I _{max}	961cd	5	2.35	4.78 38



		2400K	H(m)	D1(m)	D2(m)	E _{max} (lx)
		-	26°	51°		
Fixture Power	25W	1	0.47	0.96	2237	
Source Flux	1463lm	2	0.94	1.91	559	
Fixture Flux	1463lm	3	1.41	2.87	249	
Efficacy	59lm/W	4	1.88	3.82	140	
349547	I _{max} =1530cd/klm	I _{max}	2238cd	5	2.35	4.78 89



		3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
		-	26°	51°		
Fixture Power	12W	1	0.47	0.96	1307	
Source Flux	855lm	2	0.94	1.91	327	
Fixture Flux	855lm	3	1.41	2.87	145	
Efficacy	69lm/W	4	1.88	3.82	82	
349547	I _{max} =1530cd/klm	I _{max}	1308cd	5	2.35	4.78 52



Wall Washer

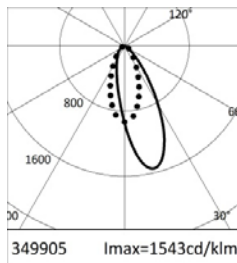
		1800K	H(m)	D1(m)	D2(m)	E _{max} (lx)
		-	34°	40°		
Fixture Power	12W	1	0.65	0.75	901	
Source Flux	628lm	2	1.30	1.50	225	
Fixture Flux	628lm	3	1.95	2.25	100	
Efficacy	50lm/W	4	2.60	3.00	56	
349905	I _{max} =1543cd/klm	I _{max}	969cd	5	3.25	3.75 36



		2400K	H(m)	D1(m)	D2(m)	E _{max} (lx)
		-	34°	40°		
Fixture Power	25W	1	0.65	0.75	2099	
Source Flux	1463lm	2	1.30	1.50	525	
Fixture Flux	1463lm	3	1.95	2.25	233	
Efficacy	59lm/W	4	2.60	3.00	131	
349905	I _{max} =1543cd/klm	I _{max}	2257cd	5	3.25	3.75 84



		3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
		-	34°	40°		
Fixture Power	12W	1	0.65	0.75	1227	
Source Flux	855lm	2	1.30	1.50	307	
Fixture Flux	855lm	3	1.95	2.25	136	
Efficacy	69lm/W	4	2.60	3.00	77	
349905	I _{max} =1543cd/klm	I _{max}	1319cd	5	3.25	3.75 49



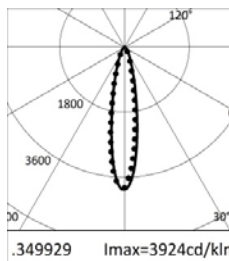
DURAFLEX OPTICS TUNABLE WHITE – LUMA DUAL

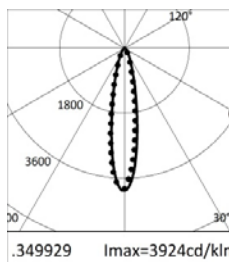
PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

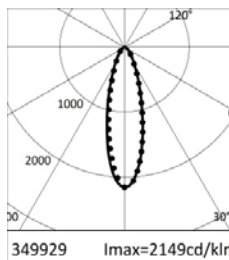
20°

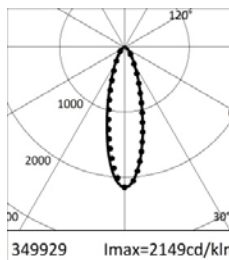
		1800K	H(m)	D1(m)	D2(m)	E _{max} (lx)	
		-	21°	20°			
Fixture Power	12W	1	0.37	0.34	2465		
Source Flux	628lm	2	0.73	0.69	616		
Fixture Flux	628lm	3	1.10	1.03	274		
Efficacy	50lm/W	4	1.46	1.38	154		
349929	I _{max} =3924cd/klm	I _{max}	2464cd	5	1.83	1.72	99

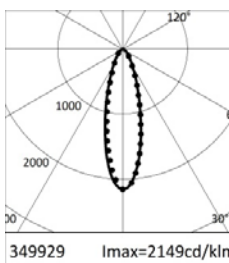
		2400K	H(m)	D1(m)	D2(m)	E _{max} (lx)	
		-	21°	20°			
Fixture Power	25W	1	0.37	0.34	5743		
Source Flux	1463lm	2	0.73	0.69	1436		
Fixture Flux	1463lm	3	1.10	1.03	638		
Efficacy	59lm/W	4	1.46	1.38	359		
349929	I _{max} =3924cd/klm	I _{max}	5741cd	5	1.83	1.72	230

		3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)	
		-	21°	20°			
Fixture Power	12W	1	0.37	0.34	3357		
Source Flux	855lm	2	0.73	0.69	839		
Fixture Flux	855lm	3	1.10	1.03	373		
Efficacy	69lm/W	4	1.46	1.38	210		
349929	I _{max} =3924cd/klm	I _{max}	3355cd	5	1.83	1.72	134

30°

		1800K	H(m)	D1(m)	D2(m)	E _{max} (lx)	
		-	29°	28°			
Fixture Power	12W	1	0.52	0.50	1350		
Source Flux	628lm	2	1.05	0.99	337		
Fixture Flux	628lm	3	1.57	1.49	150		
Efficacy	50lm/W	4	2.10	1.99	84		
349929	I _{max} =2149cd/klm	I _{max}	1350cd	5	2.62	2.48	54

		2400K	H(m)	D1(m)	D2(m)	E _{max} (lx)	
		-	29°	28°			
Fixture Power	25W	1	0.52	0.50	3144		
Source Flux	1463lm	2	1.05	0.99	786		
Fixture Flux	1463lm	3	1.57	1.49	349		
Efficacy	59lm/W	4	2.10	1.99	197		
349929	I _{max} =2149cd/klm	I _{max}	3144cd	5	2.62	2.48	126

		3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)	
		-	29°	28°			
Fixture Power	12W	1	0.52	0.50	1838		
Source Flux	855lm	2	1.05	0.99	459		
Fixture Flux	855lm	3	1.57	1.49	204		
Efficacy	69lm/W	4	2.10	1.99	115		
349929	I _{max} =2149cd/klm	I _{max}	1838cd	5	2.62	2.48	74

DURAFLEX OPTICS TUNABLE WHITE – LUMA DUAL

PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

40°

	1800K	H(m)	D(m)	E _{max} (lx)		
	-		42°			
Fixture Power	12W	1	0.77	957		
Source Flux	628lm	2	1.55	239		
Fixture Flux	628lm	3	2.32	106		
Efficacy	50lm/W	4	3.10	60		
349929	I _{max} =1526cd/klm	I _{max}	958cd	5	3.87	38

	2400K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	-		42°	43°			
Fixture Power	25W	1	0.77	0.78	2230		
Source Flux	1463lm	2	1.55	1.56	557		
Fixture Flux	1463lm	3	2.32	2.34	248		
Efficacy	59lm/W	4	3.10	3.12	139		
349929	I _{max} =1526cd/klm	I _{max}	2232cd	5	3.87	3.90	89

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	-		42°	43°			
Fixture Power	12W	1	0.77	0.78	1303		
Source Flux	855lm	2	1.55	1.56	326		
Fixture Flux	855lm	3	2.32	2.34	145		
Efficacy	69lm/W	4	3.10	3.12	81		
349929	I _{max} =1526cd/klm	I _{max}	1305cd	5	3.87	3.90	52