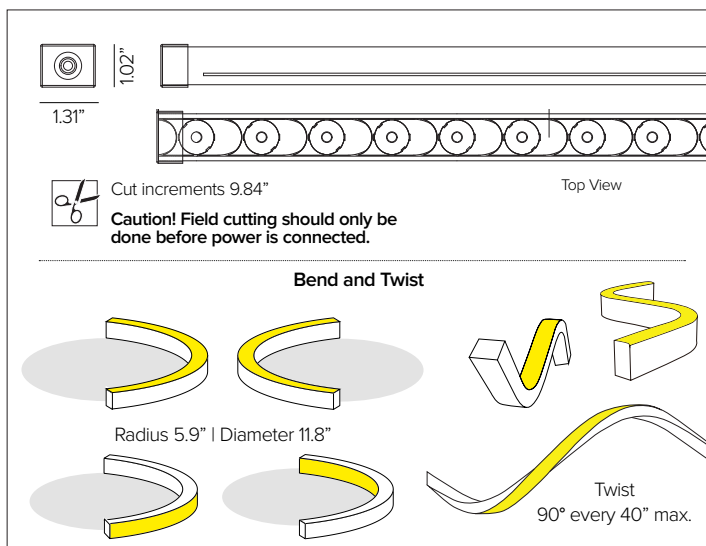
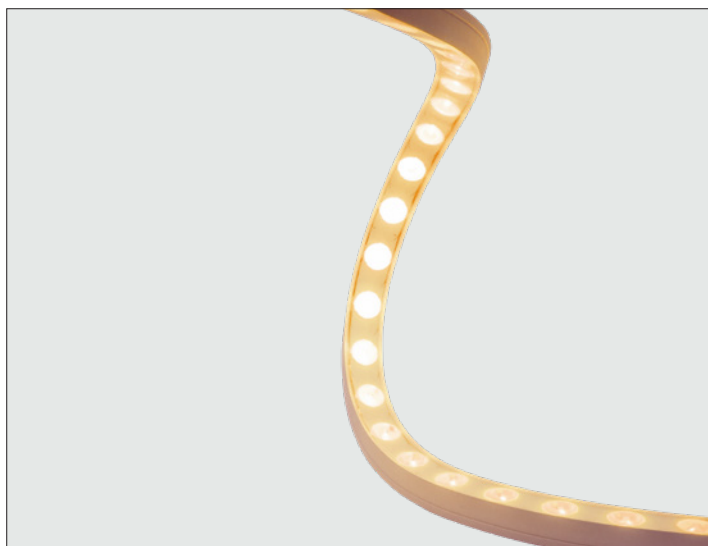


# DURAFLEX OPTICS TUNABLE WHITE – LUMA DUAL

## 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

<b>Materials</b>	LED strip with independent optic and fully extruded silicon jacket.
<b>Finish</b>	● White ● Black
<b>Functionality</b>	Precise optical beam control for linear applications.
<b>Installation</b>	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.
<b>Protection</b>	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

<b>Power Connection</b>	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 <a href="#">Onsite Services</a> for additional programming and installation support.
<b>Wattage</b>	76W/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>	Field trimmable every 9.84" 16ft

### SOURCE

<b>LEDs</b>	7 dual chip LEDs/ft						
<b>Spacing</b>	17" O.C.						
<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>
	TW: 1800K	90	90	92	47	0.0010	3
	TW: 3000K	93	91	102	85	-0.0011	3
<b>Strip &amp; LED Details</b>	<b>Model</b>	<b>W/Dual Chip LED</b>	<b>Delivered Lumens*</b> 3000K		<b>Viewing Angle</b>		
	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°		
<b>Efficacy</b>	69Lm/W max. Refer to photometric graphs for specific values.						
<b>Lifetime</b>	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
							<b>REQUIRED</b>			<b>OPTIONAL</b>

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

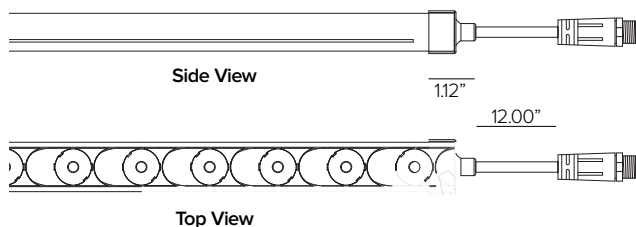
1 - PRODUCT CODE	2 - BEND	3 - JACKET	4 - WATTAGE	5 - RATING	6 - OPTICS	7 - KELVIN	8 - VOLTAGE
DFOP – DURAFLEX OPTICS	DB – LUMA DUAL BEND	W – White B – Black	76 – 7.6W/ft	O – IP67	WG – Wall Graze 26° x 51° WW – Wall Wash 34° x 40° 20 – 21° 30 – 29° 40 – 42°	TW – 1800K & 3000K	24 – 24V DC
8 - END PREP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

## FINISHES



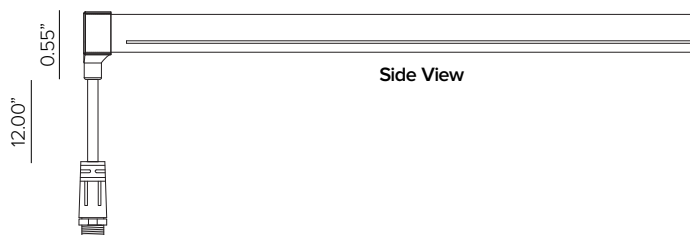
# DURAFLEX OPTICS TUNABLE WHITE – LUMA DUAL

## 8 - END PREP CONNECTION (REQUIRED)



DURAFLEX LINEAR 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.

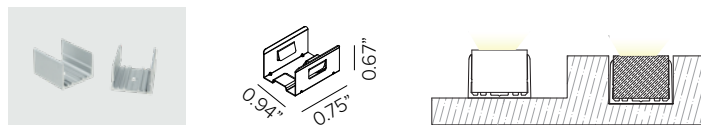
Finish	<input type="radio"/> White	<input type="radio"/> Black
Part No.	<b>KT22UTWL1</b>	<b>KT22UTWBL1</b>



DURAFLEX LINEAR 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.	<b>KT22UTWL3</b>	<b>KT22UTBL3</b>

## 9 - MOUNTING (REQUIRED)



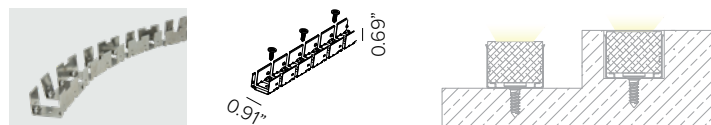
DURAFLEX LINEAR OPTICS bottom fixing clips, stainless steel. Includes 2ea clips and 2ea screws.

Part No. **KT22UC1**



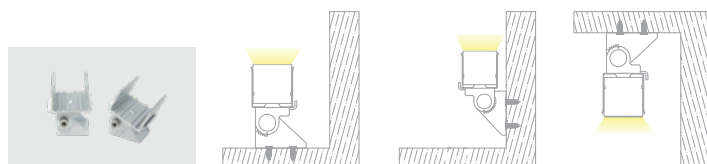
DURAFLEX LINEAR OPTICS aluminum rigid profile with 2ea screws. Dimension: 39" (1M) Length. **Note, translucent cap style and bottom termination end prep configurations rest outside of the profile.**

Part No. **KT22UP1**



DURAFLEX LINEAR 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**



DURAFLEX LINEAR OPTICS adjustable bracket kit with 5ea screws. White finish.

Part No. **KT22UOB**

# 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
<b>DDTI902C2410</b>	90W	0-10V 2 Chan	0%	DRY	120-277V / 24V	UL Class 2	8.5" x 4" x 1.5"	AmbienTech electronic driver.
<b>DDTX902C2410</b>	90W	0-10V 2 Chan	0%	DAMP	120-277V / 24V	UL Class 2	8.5" x 4" x 1.5"	AmbienTech electronic driver.
<b>DEDDI1001242CDMX</b>	100W	DMX 2 Chan	0%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
<b>DEDDX1001242CDMX</b>	100W	DMX 2 Chan	0%	NEMA3R	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
<b>DEDDI2002242CDMX</b>	2X100W	DMX 2 Chan	0%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
<b>DEDDX2002242CDMX</b>	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	
<b>DEDD1001242CDA2</b>	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. <b>UL listed enclosure provided by others.</b>	
<b>DEDD1001242CDA2</b>	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. <b>UL listed enclosure provided by others.</b>	

MAX INTERCONNECTED TAPE LENGTHS PER DRIVER		
Fixture Wattage	100W	2X100W
	76W	(2) 10FT

## 11 - CONTROL (OPTIONAL)

Part No.	Channels	Scenes	Zones	Rating	Voltage	Certification	Dimensions	Description	
<b>SWITCH23</b>		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

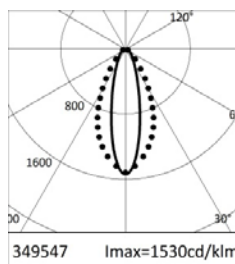
## PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

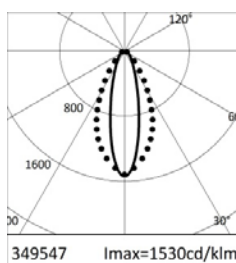
### Wall Graze



1800K		H(m)	D1(m)	D2(m)	E <sub>max</sub> (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 <sub>max</sub> =1530cd/klm	I <sub>max</sub>	961cd	5	2.35 4.78 38



2400K		H(m)	D1(m)	D2(m)	E <sub>max</sub> (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 <sub>max</sub> =1530cd/klm	I <sub>max</sub>	2238cd	5	2.35 4.78 89

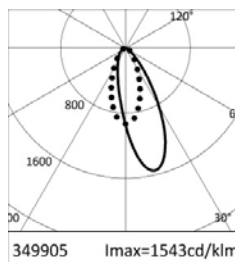


3000K		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)
-		26°	51°		
Fixture Power	12W	1	0.47	0.96	1307
Source Flux	855lm	2	0.94	1.91	327
Fixture Flux	855lm	3	1.41	2.87	145
Efficacy	69lm/W	4	1.88	3.82	82
349547	I <sub>max</sub> =1530cd/klm	I <sub>max</sub>	1308cd	5	2.35 4.78 52

### Wall Washer



1800K		H(m)	D1(m)	D2(m)	E <sub>max</sub> (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 <sub>max</sub> =1543cd/klm	I <sub>max</sub>	969cd	5	3.25 3.75 36



2400K		H(m)	D1(m)	D2(m)	E <sub>max</sub> (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 <sub>max</sub> =1543cd/klm	I <sub>max</sub>	2257cd	5	3.25 3.75 84



3000K		H(m)	D1(m)	D2(m)	E <sub>max</sub> (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 <sub>max</sub> =1543cd/klm	I <sub>max</sub>	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 <sub>max</sub> (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 <sub>max</sub> =3924cd/klm	I <sub>max</sub>	2464cd	5	1.83	1.72	99

		2400K		H(m)	D1(m)	D2(m)	E <sub>max</sub> (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 <sub>max</sub> =3924cd/klm	I <sub>max</sub>	5741cd	5	1.83	1.72	230

		3000K		H(m)	D1(m)	D2(m)	E <sub>max</sub> (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 <sub>max</sub> =3924cd/klm	I <sub>max</sub>	3355cd	5	1.83	1.72	134

30°

		1800K		H(m)	D1(m)	D2(m)	E <sub>max</sub> (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 <sub>max</sub> =2149cd/klm	I <sub>max</sub>	1350cd	5	2.62	2.48	54

		2400K		H(m)	D1(m)	D2(m)	E <sub>max</sub> (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 <sub>max</sub> =2149cd/klm	I <sub>max</sub>	3144cd	5	2.62	2.48	126

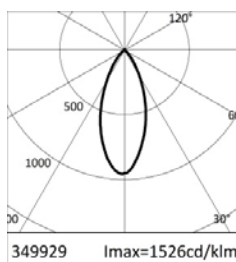
		3000K		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)
				29°	28°		
Fixture Power	12W	1	0.52	0.50	1838		
Source Flux	855lm	2	1.05	0.99	459		
Fixture Flux	855lm	3	1.57	1.49	204		
Efficacy	69lm/W	4	2.10	1.99	115		
349929	I <sub>max</sub> =2149cd/klm	I <sub>max</sub>	1838cd	5	2.62	2.48	74

# DURAFLEX OPTICS TUNABLE WHITE – LUMA DUAL

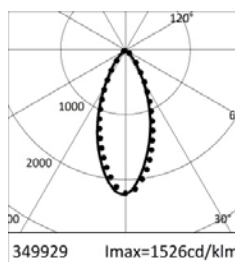
## PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

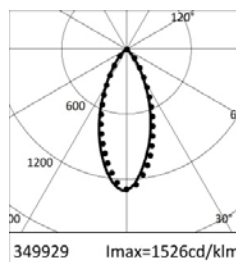
40°



	1800K	H(m)	D(m)	E <sub>max</sub> (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 <sub>max</sub> =1526cd/klm	I <sub>max</sub>	958cd	5	3.87	38



	2400K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (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 <sub>max</sub> =1526cd/klm	I <sub>max</sub>	2232cd	5	3.87	3.90	89



	3000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (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 <sub>max</sub> =1526cd/klm	I <sub>max</sub>	1305cd	5	3.87	3.90	52