Energy Efficient Narrow Dynamic Color Changing Low Voltage Strip Light

1.97"

0.24"

0.33" O.C.

0.14"

Cut increments 1.97"

Caution! Field cutting should only be done before power is connected.

IP20 · RoHS COMPLIANT · cULus Class2
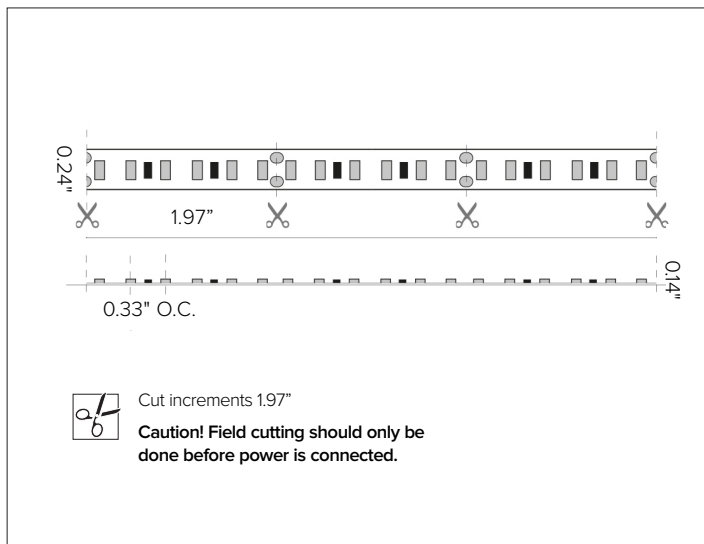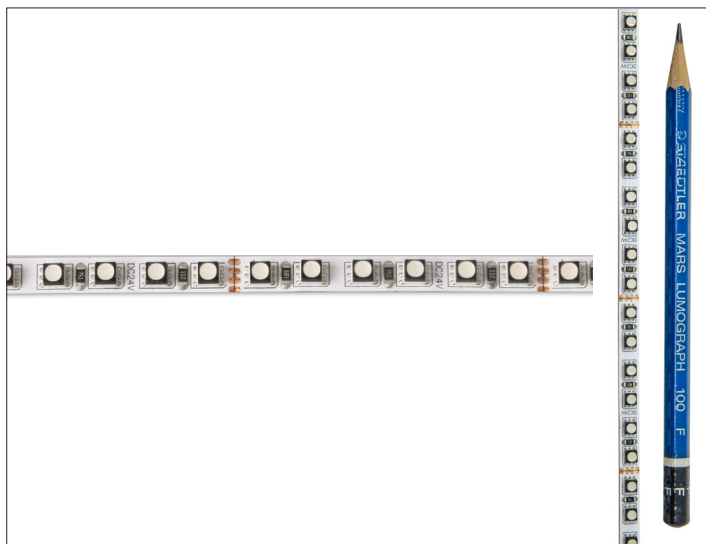
CONCEPT

Energy efficient extra narrow LED linear light strip with for tight nitch spaces requiring continuous consistent dynamic color changing light output for linear applications.

MECHANICAL CHARACTERISTICS

Materials	Double layered copper substrate for optimum heat dissipation, minimizing voltage drop while increasing run lengths per power feed, standardizing electrical flow over entire length of the strip for maximum product reliability.
Functionality	Ideal for linear dynamic color changing tight nitch applications such as millwork, under-counter/cabinet, or lighting accents.
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	IP20

CERTIFICATIONS

cULus Class 2 Listed
Tested in accordance with LM-79-08
Energy efficient for California installations.
RoHS compliant

WARRANTY

5 year limited warranty

SUSTAINABILITY

Duratape products are packaged with environmentally friendly materials. The strip reel is comprised of cardboard and the strip bag is produced with 80% paper materials and 20% recycled plastics necessary for anti-static packaging.

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 programing and installation support.
Wattage	4.4W/ft
Voltage	24V DC / 3 Chan
Trigger Time	< 0.2s
Number of cycles	100,000
Operating Temp.	-25°C / +35°C
Max Continuous Length	Field trimmable every 1.97". 16ft / 4.4W/ft

SOURCE

LEDs	36 tri-chip LEDs per foot
Spacing	0.33" O.C. LED Spacing

TM30	CCT (Nominal)	SDCM
	RGB	2

Strip & LED Details	Model	W/LED	Delivered Lumens*	Viewing Angle
			RGB	
	4.4W/ft	0.03W	92Lm/ft	117°

* Meets Title 24 High efficacy rating.

Efficacy	26Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L70/B10 >40,000hrs at max TA +25°C

DURATAPE EXTRA NARROW RGB IP20

SPECIFICATION INFORMATION

DL							/		/		/		/	
1	2	3	4	5	6		7	8		9	10		11	
							REQUIRED	**OPTIONAL**		**REQUIRED**			**OPTIONAL**	

Ex: DLXN44IRGB24 / 07UI3CBL1 / P03A-S-PF-200 / DEDDX1001243CDMX

1 - PRODUCT CODE	2 - TYPE	3- WATTAGE	4 - RATING	5 - KELVIN	6 - VOLTAGE
DL — DURATAPE™	**XN** – Extra Narrow	**44** – 4.4W/ft	**I** – IP20	**RGB** — RGB	**24** – 24V DC

7 - END PREP CONNECTION	8 - INTERCONNECTION	9 - MOUNTING	10- DRIVER	11- CONTROL	
REQUIRED *See section for details*	**OPTIONAL** *See section for details*	**REQUIRED** *See section for details*	**REQUIRED** *See section for details*	**OPTIONAL** *See section for details*	

INSTALLATION EXAMPLES

COVE

UNDER COUNTER TASK

UNDER COUNTER DIRECTIONAL TASK

7 - END PREP CONNECTION (REQUIRED)

24"

DURATAPE factory attached single 3 circuit lead wire end prep. Lead wire/dead end allows for connection to power at lead end and field trim of Duratape product at the other end. Translucent wire with positive/negative identification that easily blends into the mounting environments.

Part No.	**07UI3CBL1**

DURATAPE additional factory attached lead wire, sold per foot. Lead wire can be field cut to desired length.

Length	Per foot
Part No.	**07U31ADDCBL1**

24"   24"
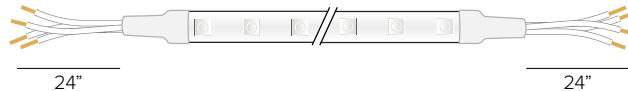
DURATAPE factory attached double 3 circuit lead wire end prep. One end can be used for power connectivity while the other end can be used for DURATPAPE interconnection. Translucent wire with positive/negative identification that easily blends into the mounting environments. *Caution: Pay attention to max run lengths and voltage drops from total lead/fold wire lengths.*

Part No.	**07UI3CBL2**

DURATAPE additional factory attached lead wire, sold per foot. Lead wire can be field cut to desired length.

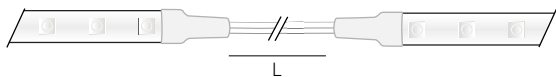| Length	Per foot
Part No.	**07UI3ADDCBL1**

7 - END PREP CONNECTION (OPTIONAL)

DURATAPE 3 circuit crimp connectors, 4ea. Simplifies custom splice connections in the field. To be used for in-line connections, connecting to other lead wires, etc.

Part No.	**07U31ADDCON**

8 - INTERCONNECTION (OPTIONAL)

L

DURATAPE factory attached 3 circuit interconnection wire fold, white finish. **Caution: Pay attention to max run lengths and voltage drops from total lead/fold wire lengths.**

Length	1"	2"	3"	4"	6"
Part No.	**07UI3FOLDCBL-01**	**07UI3FOLDCBL-02**	**07UI3FOLDCBL-03**	**07UI3FOLDCBL-04**	**07UI3FOLDCBL-06**

9 - MOUNTING (REQUIRED)

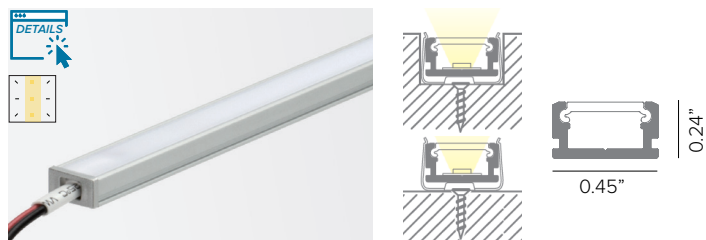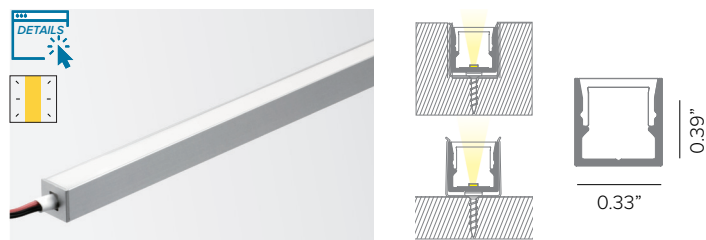|				
Profile Spec Sheet *Detailed Information*	**Uniform Continuous Direct View** *60%*	**Blend Opacity** *30%*	**Softening Opacity** *10%*	**Clear**

SURFACE PROFILES
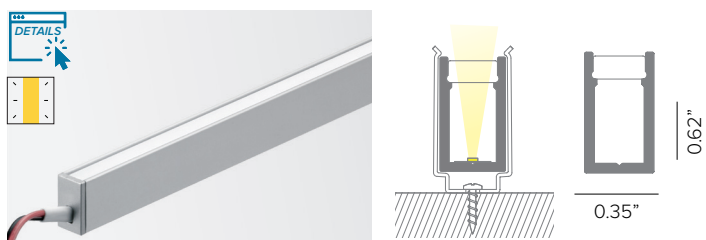

Compact aluminum profile with frosted polycarbonate lens for surface or flush recessed installation.
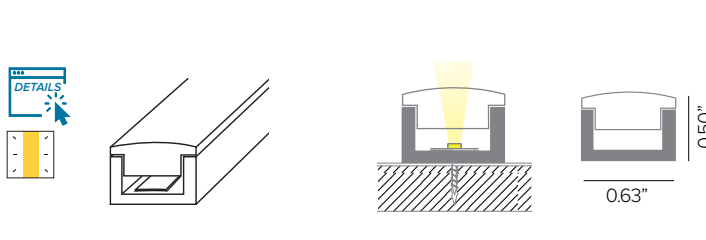
Part No. **P01A-S-PF-200**

0.24"
0.45"

Compact aluminum profile with frosted polycarbonate lens for surface or flush recessed installations. Dimension: 79" (2M).

Part No. **P02A-S-PF-200**

0.39"
0.33"
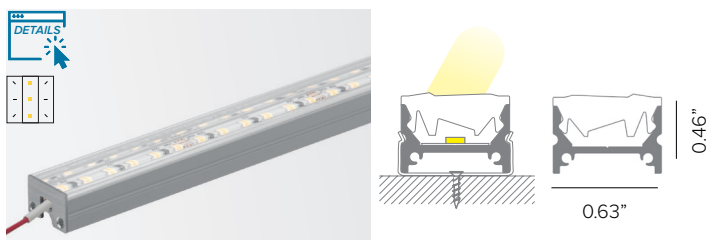

Compact aluminum profile with thick opal polycarbonate lens with uniform light distribution for surface installation. Dimension: 79" (2M).

Part No. **P03A-S-PF-200**

0.62"
0.35"

Surface mounted two-piece aluminum U-channel with snap-in opal polycarbonate lens with uniform light distribution. Mounting screw holes 6in O.C. Dimensions: 72"L.
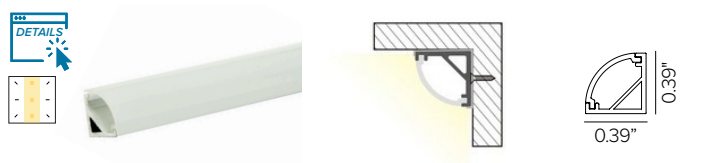
Part No. **DLALUMC6**

0.50"
0.63"

Aluminum profile with asymmetrical emission lens for surface installation. Dimension: 118" (3M). ***Profile must be shipped via freight only. For efficient shipping via UPS/Fedex, lengths can be cut to 59" upon request.***

Part No. **P01C-S-PF-300**

0.46"
0.63"

ANGLED PROFILE

Miniature 45° corner anodized aluminum rigid profile complete with lens.

Lens	Opal Diffused
Part No.	**DLEDA102**

0.39"
0.39"

10 - POWER SUPPLY (REQUIRED)

ENCLOSURE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Enclosure)	Description
DEDDI1001243CDMX	100W	DMX 3 Chan	0%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
DEDDI2002243CDMX	2X100W	DMX 3 Chan	0%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.

STAND ALONE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Standalone)	Description
DEDD100DMX3C	100W	DMX 3 Chan	0%	IP20	120-277V / 24V	UR Class 2	9.06" x 3.15" x 1.18"	EldoLED LINEARdrive electronic driver. **UL Listed enclosure provided by others.**

MAX INTERCONNECTED TAPE LENGTHS PER DRIVER		
	100W	2X100W
Fixture Wattage 4.4W	20FT	(2) 20FT

11 - CONTROL (OPTIONAL)
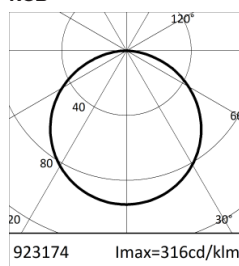
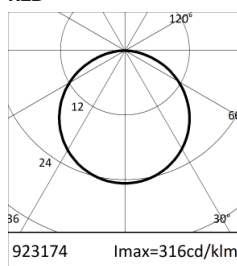| Part No.		Channels	Scenes	Zones	Rating	Voltage	Certification	Dimensions	Description
SWITCH20		12	1	3	Indoor	12-24V DC	UL	4.7" x 3.0" x 1.2"	RGBW touch DMX512 wall control keypad with sensitive glass touch panel, white finish.
TGDMXSLESAU9		256	20	1	Indoor	5.5V DC	ETL, UL	5.3"W x 5.5"H x 1.9D	Nicolaudie Slesa smart DMX 1/2 universe programmable controller with easy to use software interface.
TGDMXSLESAU11		1024	99	5	Indoor	5VDC 120V AC *Plug in power supply included*	ETL	6.3" x 3.6" x 1.8"	Nicolaudie Slesa smart DMX interface, 2 DMX 512 universes, intuitive backlit keyboard programmable controller with easy to use software interface.
TGDMXSTICKDE3B		1024	500	10	Indoor	6-7V DC 120V AC *Plug in power supply included*	ETL	5.8" x 4.2" x 0.5"	Nicolaudie intelligent control keypad with glass touch sensitive graphic display, stand-alone DMX 512, 2 universe programmable controller with easy to use software interface. Black finish.
TGDMXSTICKDE3W		1024	500	10	Indoor	6-7V DC 120V AC *Plug in power supply included*	ETL	5.8" x 4.2" x 0.5"	Nicolaudie intelligent control keypad with glass touch sensitive graphic display, stand-alone DMX 512, 2 universe programmable controller with easy to use software interface. White finish.

PHOTOMETRY
IES FILES SHOWN AT 1M (3.28FT) LENGTHS

RGB

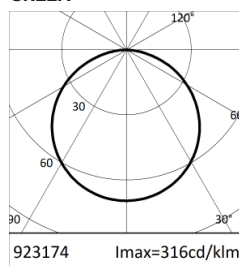| -		H(m)	D(m)	Emax(lx)
-			117°	
Fixture Power	12W	1	3.25	95
Source Flux	300lm	2	6.50	24
Fixture Flux	300lm	3	9.74	11
Efficacy	26lm/W	4	12.99	6
923174 Imax=316cd/klm	Imax 95cd	5	16.24	4

RED
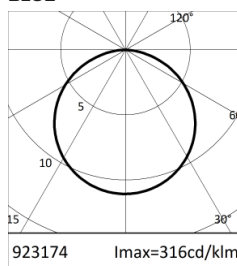
-		H(m)	D(m)	Emax(lx)
-			117°	
Fixture Power	4W	1	3.25	25
Source Flux	78lm	2	6.50	6
Fixture Flux	78lm	3	9.74	3
Efficacy	20lm/W	4	12.99	2
923174 Imax=316cd/klm	Imax 25cd	5	16.24	1

GREEN

-		H(m)	D(m)	Emax(lx)
-			117°	
Fixture Power	4W	1	3.25	69
Source Flux	220lm	2	6.50	17
Fixture Flux	220lm	3	9.74	8
Efficacy	56lm/W	4	12.99	4
923174 Imax=316cd/klm	Imax 69cd	5	16.24	3

BLUE

-		H(m)	D(m)	Emax(lx)
-			117°	
Fixture Power	4W	1	3.25	11
Source Flux	35lm	2	6.50	3
Fixture Flux	35lm	3	9.74	1
Efficacy	9lm/W	4	12.99	1
923174 Imax=316cd/klm	Imax 11cd	5	16.24	0