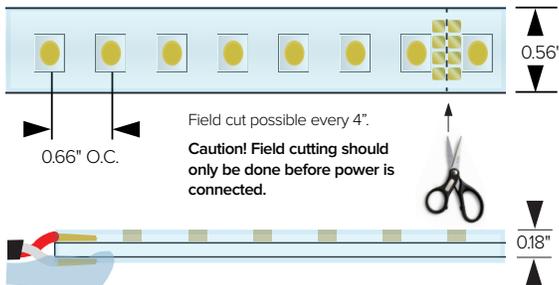# DURATAPE™ RGB
IP66 OUTDOOR

KEY FEATURES

- High output saturated sharp RGB tones working together to create dynamic color changing effects.

- Ideal for IP66 outdoor applications such as cove, nitche, architectural decorative application, lighting accents, custom and OEM product designs/chandliers.

- Sold per foot and manufactured to specified lengths with factory attached end preps.

- Features 2-circuit 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.

- Features double sided solder points for maximum conductivity and durability.

- Pre-assembled to specific lengths with various connector options for project requirements and efficient power configuration.

- Max continuous length: up to 16' per run

- Multiple DMX512 drivers options available.

MRI   IP66   RoHS   cULus Class 2

DETAILS

Spacing	0.66" OC LED Spacing
LEDs	18 LEDs per foot
Wattage	3.5W/ft
Color Temp	Tri Chip: Red 625nm / Green 520nm / Blue 450nm
Color Consistency	Bin centered on the Planck curve with a 2 step MacAdam tolerance.
End Preps	Factory preped end preps available (See Page 2)
Mounting	Includes installation-ready 3M tape adhesive for simplified installation directly to mounting channel or application surface
Installation	Optional aluminum channels with base and cover can be used to install decorative, protective covers
Power Supply	Listed Class 2 output, 24V DC power supply required
Listing	cULus Class 2 Listed E471161 Tested in accordance with LM-79-08 Energy efficient for California installations.
Compliance	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 warranty

DIMENSIONAL DRAWINGS

0.56"

Field cut possible every 4".

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

0.66" O.C.

0.18"

Duratape features double-sided solder points for maximum continuity for long lifespan.

FIXTURE DATA

Model	Efficacy Lm/Wt	Lm/Ft	Wt/Ft
RGB*	46.86	164	3.5

* Meets Title 24 High efficacy rating.

LED DATA

Model	Wt/LED	Viewing Angle	Lifespan at 90% drive
RGB	0.20	120°	40,000hrs

* LEDs operating at 90% of LED manufacturers maximum current rating.

DESIGN INSTALLATION EXAMPLES

Cove

Under Counter Task

Under Counter Directional Task

PRODUCT CODE	INTENSITY	WATTAGE	IP RATING	LED COLOR	VOLTAGE	+	END PREP	+	MOUNTING	+	POWER SUPPLY
DL— Duratape™	**HO** — High Output	**35** — 3.5 W/ft	**O**— Outdoor IP66	**RGB** — Red: 625nm, Green: 520nm Blue: 450nm	**24** — 24 VDC						

DURATAPE™ RGB
IP66 OUTDOOR

END PREPS AND CONNECTORS (REQUIRED) - Choose 1

A   **B**   **C**   **D**
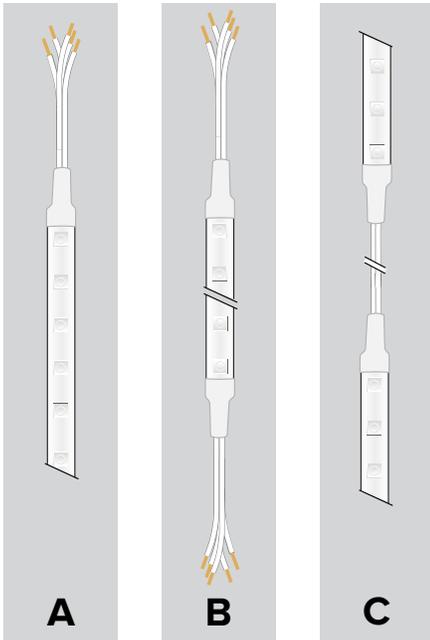
REQUIRED END PREPS:
(One required for each run of tape)

OPTIONAL CONNECTORS:

A

07UX3CBL1 (3-circuit RGB)
Factory attached single 3 circuit lead wire prep. 24" four conductor Lead wire/dead end allows for connection to power at lead end and field trim of Duratape product at the other end.

07UX3ADDCBL: ADDITIONAL LEAD WIRE (3-circuit RGB)
Additional lead wire purchased per foot and factory attached to specified run leads. Lead wire can be field cut to desired length.

B

07UX3CBL2 (3-circuit RGB)
Factory attached double ended 3 circuit lead wire prep. 24" four conductor lead wire at both ends. One end can be used for power connectivity while the other end can be used for interconnection to run to an additional length of Duratape.

07UX3ADDCBL: ADDITIONAL LEAD WIRE (3-circuit RGB)
Single 3 circuit lead wire prep. 24" four conductor Lead wire/dead end allows for connection to power at lead end and field trim of Duratape product at the other end.

C

07UX3FOLDCBL-XX (3-circuit RGB)
3 circuit wire fold (specified length). Wire folds are factory attached to Duratape to meet your specified installation requirements. Wire fold lengths available are 2", 3", 4", 6", 12". Add length number to end of part number.

D

07UX3ADDCON (3-circuit RGB)
Additional 3 circuit connectors. Lead wire connectors 3/ea per connection.

Project 21-12877-3 Date 6/25/2021 RGB/W | Saturated Color	Catalog Number DL HO 35 O RGB 24	Type
Submitted By 16500, INC	Notes	

sixteen5hundred

DURATAPE™ RGB
IP66 OUTDOOR

DURA LAMP
a brand of TARGETTI

PROFILE OPACITY LEVEL KEY:

Uniform
Direct View

Blended
Direct / Indirect View

Pixelated
Indirect View

0.20"
0.66"

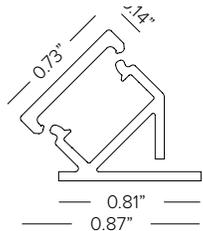**DL-MCHAN-8**
Linear Mounting profile. Available in 8'
lengths.

SURFACE PROFILES

0.72"
0.14"
0.49'
0.42"
0.55"
0.67"
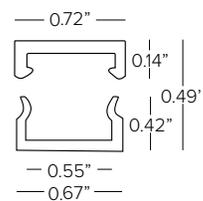
DL-W-2PC-C (Clear)
DL-W-2PC-F10/F30/F60 (Frosted)
Two-piece mounting tube; base (clear)
with cover (frosted) for linear applications.
Frosted diffusion levels, 10%, 30% or
60%. Available in 4' lengths.

0.73"
.14"
0.81"
0.87"

DL-C-45-MCH-4 (Base, REQUIRED)
45° mounting base (white) for 45° mounted
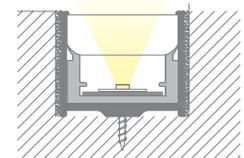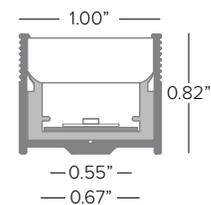linear applications. Available in 4' lengths.

DL-C-45-CVR-4-C (Cover, Clear)
DL-C-45-CVR-4-F10/F30/F60 (Cover, Frosted)
45° mounting base cover. Available in 4'
lengths.

PRINTC-G
Rigid high impact resistant PMMA profile
complete with a white plastic diffuser
lensed channel for recssed walk over
installation. Complete with track for easy
strip insertion. Available in 3.28ft (1M)
lengths.

KTPRINTC-G
2+2 PC end caps

1.00"
0.82"
0.55"
0.67"

Project 21-12877-3 Date 6/25/2021	Catalog Number	Type
RGB/W | Saturated Color	DL HO 35 O RGB 24	
Submitted By	Notes	
16500, INC		

sixteen**5**hundred

DURA LAMP

a brand of **TARGETTI**

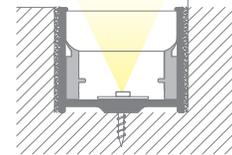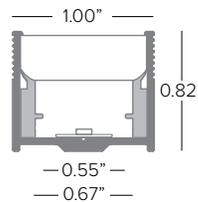# DURATAPE™ RGB
IP66 OUTDOOR

SURFACE PROFILES CONT.

PRINTC-GUS
Rigid high impact resistant PMMA profile complete with two part white plastic diffuser lens and aluminum channel for surface or recessed mounting. Available in 3.28ft (1M) lengths.
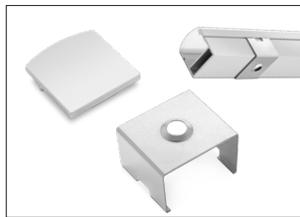

KTPRINTC-G
2+2 PC end caps

1.00"
0.82"
0.55"
0.67"

PRAP-U
Surface mount aluminum profile. Anodized aluminum rigid profile complete with opal translucent diffuser cover. Available in 79in (2M) lengths.

KTPRAP-UEC
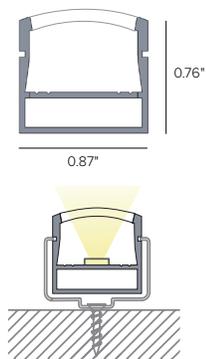5 + 5 silver color end caps

KTPRU-CL
5 sets of clips

OR-DEV
Set of steel supports required with use of KTORDEV-U.

KTORDEV-U
Set of aluminum mounting heads required with use of OR-DEV.

0.76"
0.87"

PRIN-U
Flush mount aluminum profile. Anodized aluminum rigid profile complete with opal translucent diffuser cover. Available in 79in (2M) lengths.
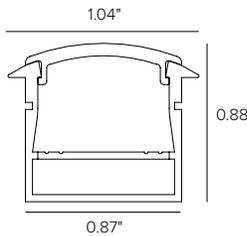

KTPRIN-UEC
5 + 5 silver color end caps

KTPRU-CL
5 sets of clips

1.04"
0.88"
0.87"

PRAN-U
45° aluminum profile. Anodized aluminum rigid profile complete with opal translucent diffuser cover. Available in 79in (2M) lengths.
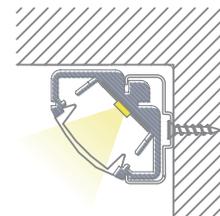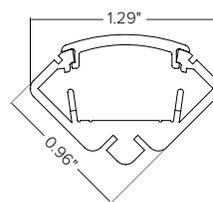

KTPRAN-UEC
5 + 5 silver color end caps

KTPRAN-UCL
5 sets of clips

1.29"
0.96"

sixteen**5**hundred

DURA LAMP
a brand of TARGETTI

DURATAPE™ RGB
IP66 OUTDOOR

Power Supply (REQUIRED)	Type	Wattage	Input/Output Voltage	Dimmable	IP Rating	Output	Dimensions
DEDDX1001244CDMX	ELECTRONIC ADDRESSABLE DMX DRIVER	100W	120-277V / 24V	DMX CONTROL 4 CHANNEL	NEMA3R ENCLOSURE	UL CLASS 2	12" x 12" x 4"[1]
DEDDX2002244CDMX	ELECTRONIC ADDRESSABLE DMX DRIVER	2X100W	120-277V / 24V	DMX CONTROL 4 CHANNEL	NEMA3R ENCLOSURE	UL CLASS 2	12" x 12" x 4"[1]
DEDDxxxDMX consult factory	ELECTRONIC ADDRESSABLE DMX DRIVER STANDALONE, **UL LISTED ENCLOSURE PROVIDED BY OTHERS**	consult factory	120-277V / 24V	DMX DIMMING	N/A	UR CLASS 2	consult factory

[1] **Dimensions include enclosure with mounting bracket.**
* **Constant voltage drivers 50/60HZ, voltage regulated with short circuit protection. Operating temperature -40 C- 80° C**
* **Installation of power supply must be compliant to Class 2 installation standards. Refer to NEC and local building code requirements.**

MAXIMUM INTERCONNECTED TAPE LENGTH PER DRIVER

Fixture Wattage	Driver Wattage							
	40W	60W	96W	90W	2X90W	3X90W	100W	2X100
3.5W/ft	9FT	13FT	21FT	20FT	(2) 20FT	(3) 20FT	22FT	(2) 22FT

Controller (Optional)	Type	Application	Voltage	Listing	Dimensions	# Ouput Channels	Number of Zones	Number of Scenes
SWITCH20	RGBW Touch DMX512 Wall Control Panel with Sensitive Glass Touch Panel, White Finish	Indoor Only	12-24V DC	UL	4.73"H x 2.95"W x 1.15"D	12	3	1
TGDMXSLESAU9	Stand-alone DMX Programmable Controller with Easy to Use Software Interface	Indoor Only	5.5V DC	ETL, UL	5.3"W x 5.5"H x 1.9D	256	1	20

SWITCH20   TGDMXSLESAU9