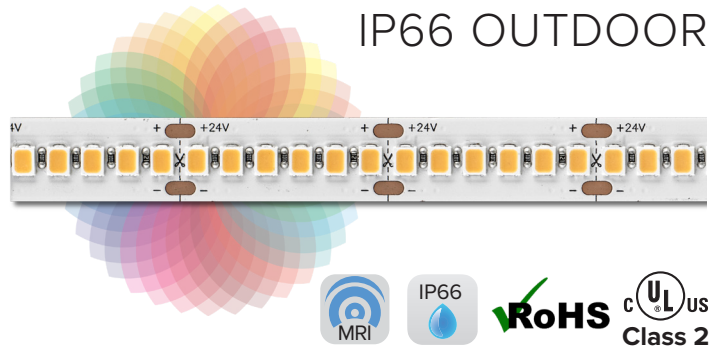




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# DURATAPE™ FULL SPECTRUM

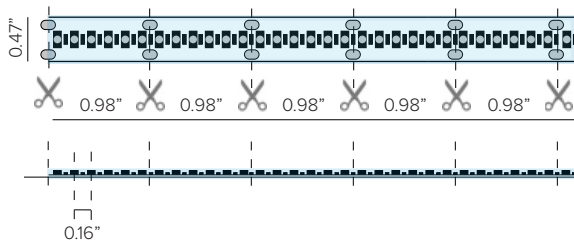
## IP66 OUTDOOR



### KEY FEATURES

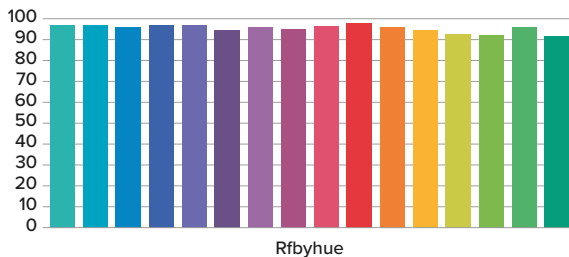
- DURATAPE FULL SPECTRUM replicates colors in the environment, returning vividness of the objects in all color temperatures. DURASTRIP FULL SPECTRUM is ideal for environments where the point of color is very important, such as art galleries, museums, fabric and finish shops.
- Sold per foot and manufactured to specified lengths with factory attached end preps.
- Features a double layer of 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.
- 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 18' per run (4.3W/ft)
- Multiple dimming options available.

### DIMENSIONAL DRAWINGS



#### TM30

CCT	CRI Ra	R9	Rf	Rg	Duv
2700K	98	97	93.3	99.4	0.0009
3000K	99	97	93.5	100.0	0.0012
3500K	97	98	90.0	98.5	0.0016
4000K	96	98	89.9	97.6	0.0023



### DETAILS

<b>Spacing</b>	0.16" OC LED Spacing
<b>LEDs</b>	73 LEDs per foot
<b>Color Temp</b>	2700°K / 3000°K / 3500°K / 4000°K
<b>Color Consistency</b>	Bin centered on the Planck curve with a 1 step MacAdam tolerance.
<b>CRI</b>	2700°K: 98 / 3000°K: 99 / 3500°K: 97 / 4000°K: 96
<b>End Preps</b>	Factory prepped wiring options (See Page 2)
<b>Mounting</b>	Includes installation-ready 3M tape adhesive for simplified installation directly to mounting channel or application surface
<b>Installation</b>	Optional mounting channels and clips, protective lens covers, thermal channels for optimal maintainance. Field trimmable every 0.98".
<b>Power Supply</b>	Listed Class 2 output, 24V DC power supply required
<b>Certifications</b>	cULus Class 2 Damp Listed E471161 Tested in accordance with LM-79-08 Energy efficient for California installations.
<b>Compliance</b>	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.
<b>Warranty</b>	5 year warranty

#### FIXTURE DATA

Model	Efficacy Lm/Wt	Lm/Ft	Wt/Ft
2700°K	83	357	4.3
3000°K	88	377	4.3
4000°K	92	397	4.3

#### LED DATA

Model	Wattage	Viewing Angle	Lifespan at 90% drive
4.3W/ft	0.06W	120°	60,000hrs

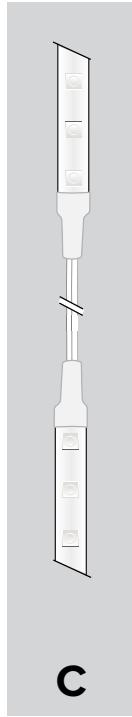
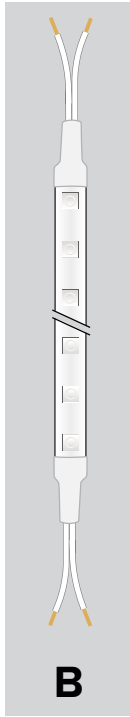
\* LEDs operating at 90% of LED manufacturers maximum current rating.

\* Meets Title 24 High efficacy rating.

PRODUCT CODE	INTENSITY	WATTAGE	IP RATING	COLOR TEMP	VOLTAGE	+	END PREP	+	MOUNTING	+	POWER SUPPLY
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DL—Duratape™ FS— Full Spectrum 43 — 4.3 W/ft O— Outdoor IP66 27 — 2700°K 24 — 24 VDC  
 30 — 3000°K  
 35 — 3500°K  
 40 — 4000°K

### END PREPS AND CONNECTORS (REQUIRED) - Choose 1



#### REQUIRED END PREPS:

(One required for each run of tape)

#### A

##### 07UX1CBL1

Factory attached single lead wire prep. 24" Lead wire/dead end allows for connection to power at lead end and field trim of Duratape product at the other end.

##### 07UX1ADDCBL-XX: ADDITIONAL LEAD WIRE

Additional lead wire purchased per foot and factory attached to specified run leads. Lead wire can be field cut to desired length.

#### B

##### 07UX1CBL2

Factory attached double ended lead wire prep. 24" 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. **Caution:** Pay attention to max run lengths and voltage drops from total lead/fold wire lengths.

##### 07UX1ADDCBL-XX: ADDITIONAL LEAD WIRE

12" Additional lead wire purchased per foot and factory attached to specified run leads. Lead wire can be field cut to desired length.

#### C

##### 07UX1FOLDCBL-XX

Wire fold (specified length). Wire folds are factory attached to Duratape to meet your specified installation requirements. Wire fold lengths available are 1", 2", 3", 4", 6", 12". Add length number to end of part number. **Caution:** Pay attention to max run lengths and voltage drops from total lead/fold wire lengths.

#### OPTIONAL CONNECTORS:

#### D

##### 07UX1ADDCON

Additional connectors. Lead wire connectors 2/ea per connection.

## PROFILE OPACITY LEVEL KEY:



**Uniform**  
Direct View



**Blended**  
Direct / Indirect View



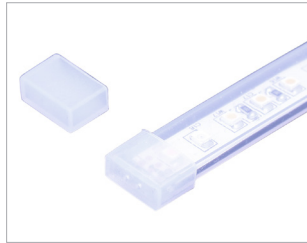
**Pixelated**  
Indirect View

## CLIPS AND SURFACE PROFILES



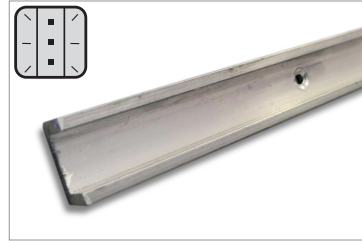
### DL-CLP-66

DuraTape ES plastic mounting clip, package of 10 each. Recommended quantities per use: Straight flat run aiming upward 12" O.C. (1/ft); Curved aiming upward or wall mounted straight 6" O.C. (2/ft); Wall mounted curved or ceiling mounted 3" O.C. (4/ft).



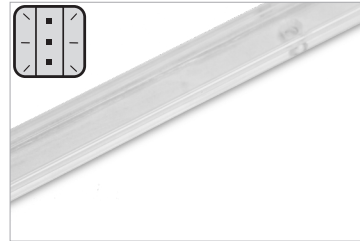
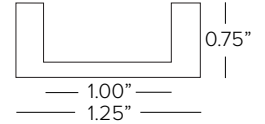
### DL-EC

Optional silicone end cap for termination of IP66 tape, sold individually.



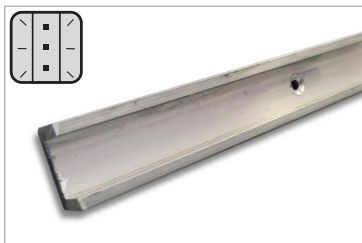
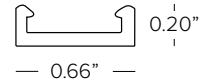
### DL-88-ALUM-U-8

Aluminum U-Channel for linear run lengths with factory drilled countersunk screw holes at 6" OC. Available in 8ft lengths.



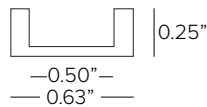
### DL-MCHAN-8

Linear Mounting profile. Available in 8' lengths.



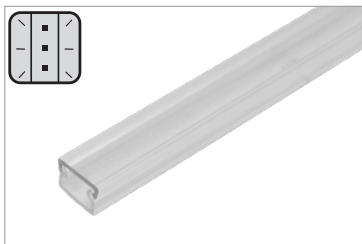
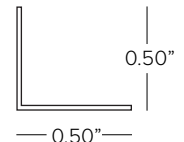
### DL-ALUM-U-8

Low profile aluminum U-Profile for linear run lengths. Available in 8ft lengths.



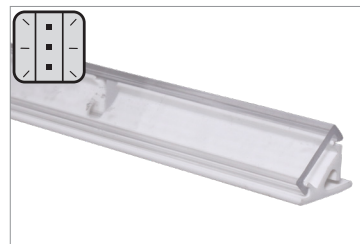
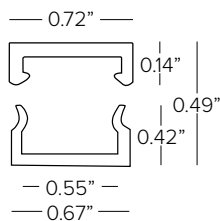
### DL-ALUM-L-8

Aluminum L-Profile 1/2" x 1/2" for linear run lengths. DuraTape can be mounted at either 0° or 90° mounting positions. Available in 8ft lengths.



### 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.



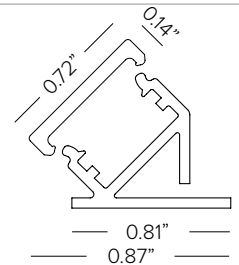
### DL-W-45-MCH-4 (Base, REQUIRED)

45° mounting base (white) for 45° mounted linear applications. Available in 4' lengths.

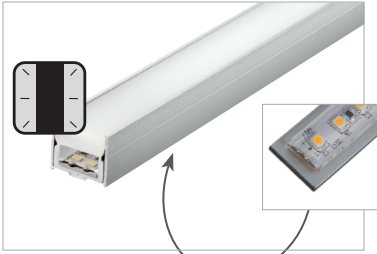
### DL-W-45-CVR-4-C (Clear)

### DL-W-45-CVR-4-F10/F30/F60 (Frosted)

45° mounting base cover. Available in 4' lengths.

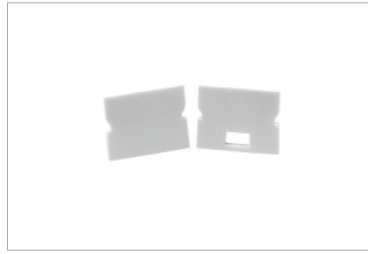


### SURFACE PROFILES



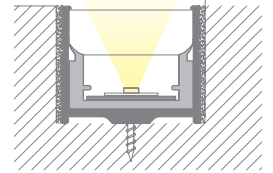
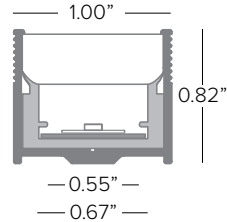
#### PRINTC-G

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



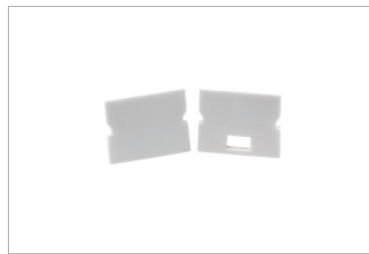
#### KTRINTC-G

2+2 PC end caps



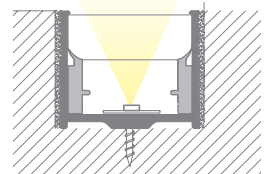
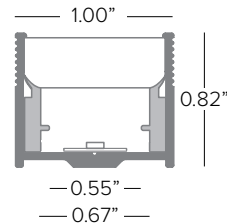
#### PRINTC-GUS

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.



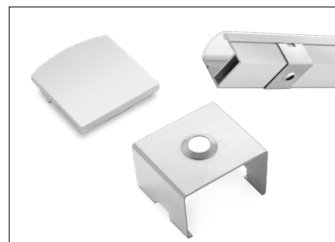
#### KTRINTC-G

2+2 PC end caps



#### PRAP-U

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



#### KTRPRAP-UEC

5 + 5 silver color end caps

#### KTRPRU-CL

5 sets of clips

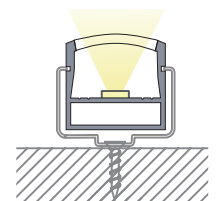
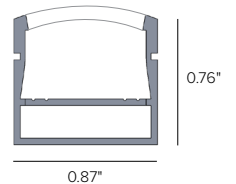


#### OR-DEV

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

#### KTORDEV-U

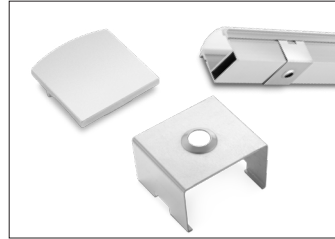
Set of aluminum mounting heads required with use of OR-DEV.



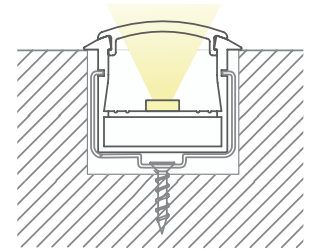
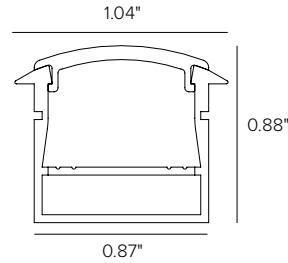
**SURFACE PROFILES CONT.**



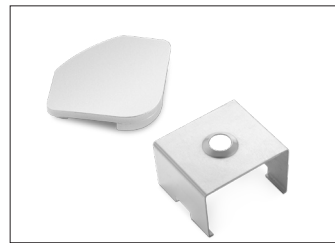
**PRIN-U**  
Flush mount aluminum profile.  
Anodized aluminum rigid profile complete with opal translucent diffuser cover. Available in 79in (2M) lengths.



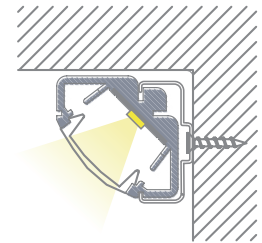
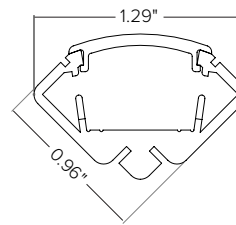
**KTPRIN-UEC**  
5 + 5 silver color end caps  
**KTPRU-CL**  
5 sets of clips



**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





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# DURATAPE™ FULL SPECTRUM IP66 OUTDOOR

Power Supply (REQUIRED)	Type	Wattage	Input/Output Voltage	Dimmable	IP Rating	Output	Dimensions
DMLE301242UD	EMCOD MLE-UD ELECTRONIC DRIVER WITH WIRING COMPARTMENT.	30W	120-277V / 24V	FWD / REV PHASE / TRIAC / 0-10V / PWM	NEMA3R ENCLOSURE	UL CLASS 2	4.47" X 6.79" X 1.38"
DMLE601242UD	EMCOD MLE-UD ELECTRONIC DRIVER WITH WIRING COMPARTMENT.	60W	120-277V / 24V	FWD / REV PHASE / TRIAC / 0-10V / PWM	NEMA3R ENCLOSURE	UL CLASS 2	4.47" X 6.79" X 1.38"
DMLE961242UD	EMCOD MLE-UD ELECTRONIC DRIVER WITH WIRING COMPARTMENT.	96W	120-277V / 24V	FWD / REV PHASE / TRIAC / 0-10V / PWM	NEMA3R ENCLOSURE	UL CLASS 2	5.16" X 7.73" X 1.54"
DMLE1922242UD	EMCOD MLE-UD ELECTRONIC DRIVER WITH WIRING COMPARTMENT.	2X96W	120-277V / 24V	FWD / REV PHASE / TRIAC / 0-10V / PWM	NEMA3R ENCLOSURE	UL CLASS 2	5.04" X 10.94" X 1.81"
DMLE2882242UD	EMCOD MLE-UD ELECTRONIC DRIVER WITH WIRING COMPARTMENT.	3X96W	120-277V / 24V	FWD / REV PHASE / TRIAC / 0-10V / PWM	NEMA3R ENCLOSURE	UL CLASS 2	5.04" X 10.94" X 1.81"
DEL60PWM	ELECTRONIC PWM DRIVER STANDALONE, <b>UL LISTED ENCLOSURE PROVIDED BY OTHERS</b>	60W	120-277V / 24V	0-10V/PWM 10%	IP67	UR CLASS 2	5.9" X 2.09" X 1.38"
DELX601241CPWM	ELECTRONIC PWM DRIVER	60W	120-277V / 24V	0-10V/PWM 10%	IP67 DRIVER IN NEMA3R ENCLOSURE	UL CLASS 2	10" x 10" x 4" <sup>1</sup>
DEL90PWM	ELECTRONIC PWM DRIVER STANDALONE, <b>UL LISTED ENCLOSURE PROVIDED BY OTHERS</b>	90W	120-277V / 24V	0-10V/PWM 10%	IP67	UR CLASS 2	6.73" X 2.48" X 1.48"
DELX901241CPWM	ELECTRONIC PWM DRIVER	90W	120-277V / 24V	0-10V/PWM 10%	IP67 DRIVER IN NEMA3R ENCLOSURE	UL CLASS 2	10" x 10" x 4" <sup>1</sup>
DELX1802242CPWM	ELECTRONIC PWM DRIVER	2X90W	120-277V / 24V	0-10V/PWM 10%	IP67 DRIVER IN NEMA3R ENCLOSURE	UL CLASS 2	12" x 12" x 4" <sup>1</sup>
DELX2703243CPWM	ELECTRONIC PWM DRIVER	3X90W	120-277V / 24V	0-10V/PWM 10%	IP67 DRIVER IN NEMA3R ENCLOSURE	UL CLASS 2	12" x 12" x 4" <sup>1</sup>
DMLV40124D	MAGNETIC LOW VOLTAGE TRANSFORMER	40W	120V / 24V	MLV DIMMING < 1%	NEMA3R ENCLOSURE	UL CLASS 2	8.13" x 3.93" x 1.59" <sup>1</sup>
DMLV60124D	MAGNETIC LOW VOLTAGE TRANSFORMER	60W	120V / 24V	MLV DIMMING < 1%	NEMA3R ENCLOSURE	UL CLASS 2	8.13" x 3.93" x 1.59" <sup>1</sup>
DMLV96124D	MAGNETIC LOW VOLTAGE TRANSFORMER	96W	120V / 24V	MLV DIMMING < 1%	NEMA3R ENCLOSURE	UL CLASS 2	8.13" x 3.93" x 1.59" <sup>1</sup>
PS060	LUTRON HI-LUME PREMIER 0.1% CONSTANT VOLTAGE DRIVER WITH UL LISTED ENCLOSURE	96W	UNIVERSAL 120-277 VAC	HI-LUM DIMMABLE 0.1%	IP20/NOM CERTIFIED	UL CLASS 2	10.5" x 5.5" x 2" <sup>1</sup>

<sup>1</sup> 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.

\* Consult factory for additional driver options (ie: DMX, DALI, wattage, size, shape, Lutron, ELDO, or others).

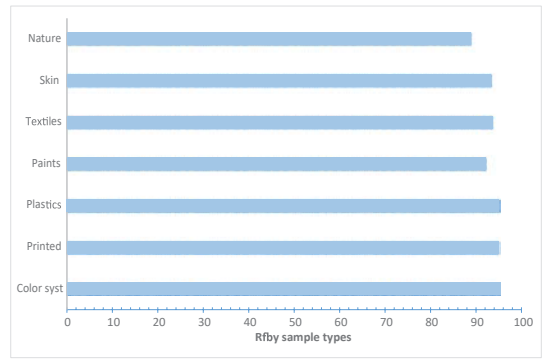
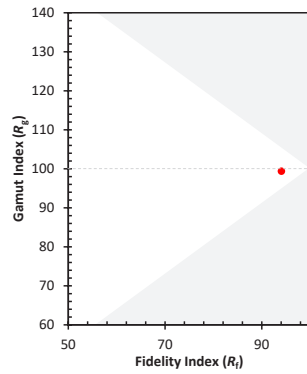
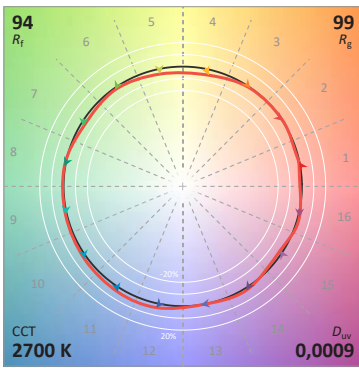
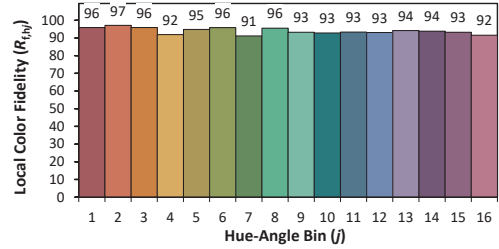
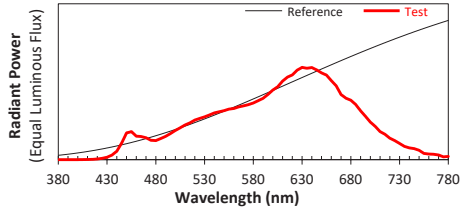
## MAXIMUM INTERCONNECTED TAPE LENGTH PER DRIVER

Fixture Wattage	Driver Wattage							
	40W	60W	96W	90W	2X90W	3X90W	100W	2X100
4.3W/ft	7FT	11FT	17FT	16FT	(2) 16FT	(3) 16FT	18FT	(2) 18FT

## TM30 GRAPHS

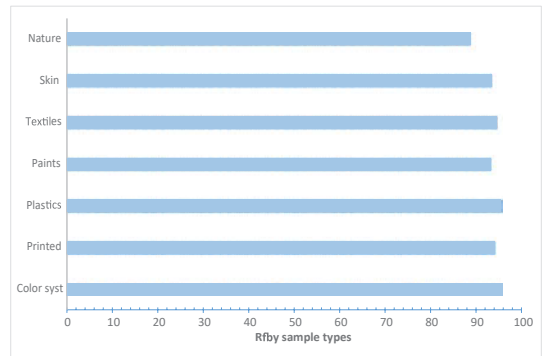
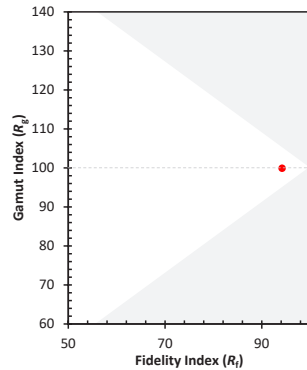
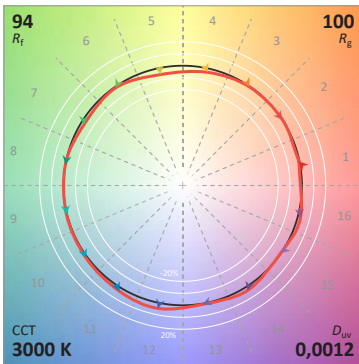
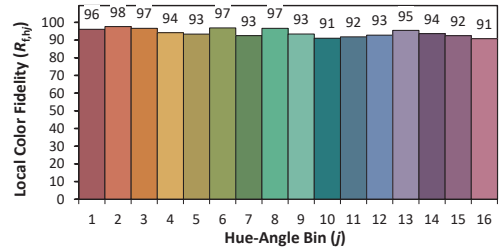
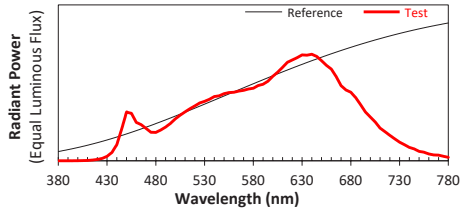
2700K

<b>Ra</b>	98
<b>R9</b>	97
<b>Rf</b>	93,3
<b>Rg</b>	99,4



3000K

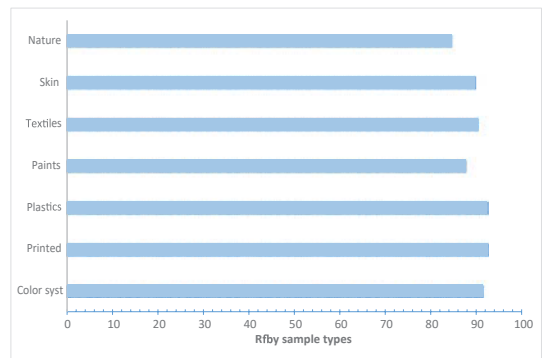
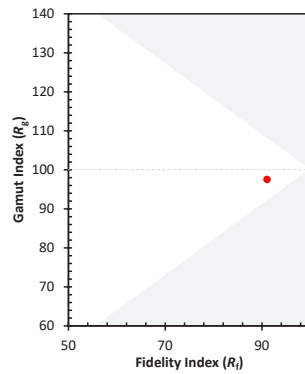
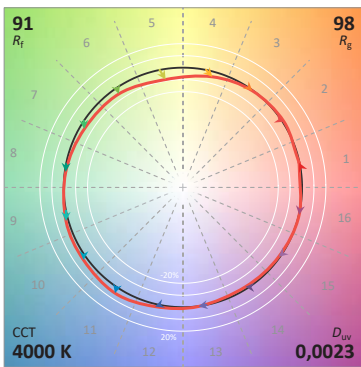
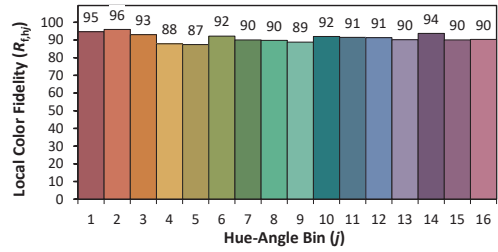
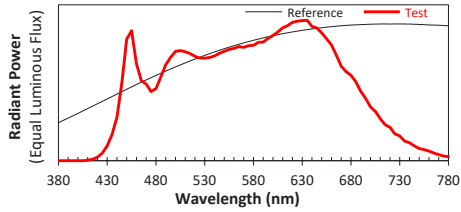
<b>Ra</b>	99
<b>R9</b>	97
<b>Rf</b>	93,5
<b>Rg</b>	100,0



### TM30 GRAPHS

4000K

<b>Ra</b>	96
<b>R9</b>	98
<b>Rf</b>	89,9
<b>Rg</b>	97,6







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# DURATAPE™ FULL SPECTRUM IP66 OUTDOOR

## PHOTOMETRY

DURATAPE FULL SPECTRUM			POLAR GRAPH
Fixture Power	4.3W	4.3W	4.3W
Fixture Output	357Lm	377Lm	397Lm
Kelvin Temp	2700°K	3000°K	4000°K
Beam Spread	120°	120°	120°
IMax	316cd/klm	316cd/klm	316cd/klm
Efficacy	83 Lm/W	88 Lm/W	92 Lm/W

