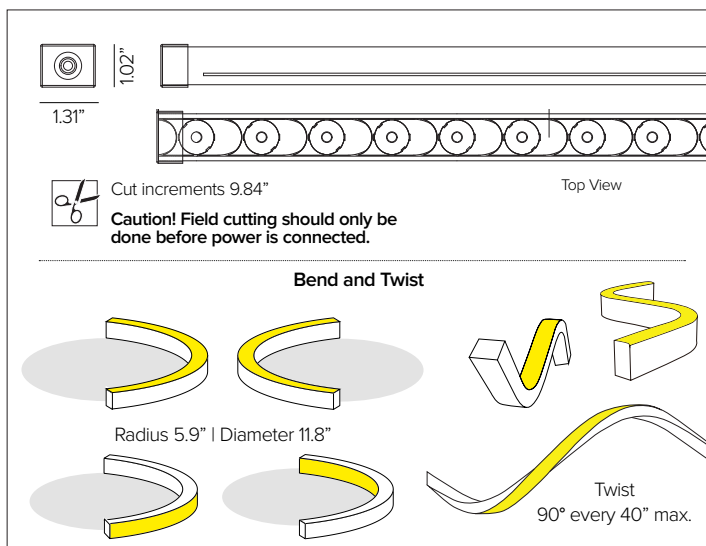
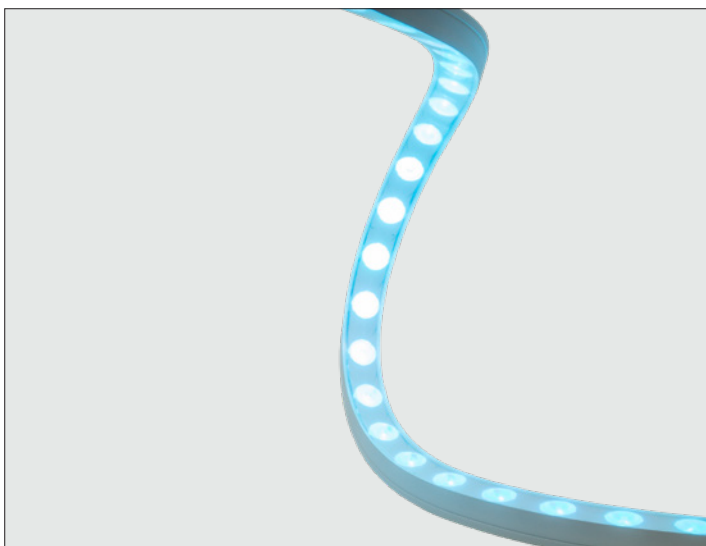


# DURAFLEX OPTICS RGBW – LUMA DUAL

## Dynamic Color Changing Flexible Linear with Dedicated Optics



### CONCEPT

A high output flexible linear with dedicated optical control and dynamic color changing light output with rich RGB saturated colors working along side white spectrum to create soft pastel tones and/or tones of white enriched with RGB color. 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 / 4 Chan
<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". 10ft max.

### SOURCE

<b>LEDs</b>	7 quad chip LEDs/ft					
<b>Spacing</b>	1.7" O.C.					
<b>TM30</b>	<b>CCT (Nominal)</b>	<b>Ra</b>	<b>Rf</b>	<b>Rg</b>	<b>R9</b>	<b>SDCM</b>
	RGBW	—	—	—	—	—
	RED 630nm	—	—	—	—	—
	GREEN 521nm	—	—	—	—	—
	BLUE 465nm	—	—	—	—	—
	WHITE 3000K	92	91	102	69	3
<b>Strip &amp; LED Details</b>	<b>Model</b>	<b>W/LED</b>	<b>Delivered Lumens* RGBW</b>	<b>Viewing Angle</b>		
	WG	1.08	341Lm/ft	26° x 51°		
	WW	1.08	341Lm/ft	34° x 40°		
	25°	1.08	302Lm/ft	25°		
	40°	1.08	298Lm/ft	42°		
	50°	1.08	287Lm/ft	51°		
<b>Efficacy</b>	62Lm/W max. Refer to photometric graphs for specific values.					
<b>Lifetime</b>	L70/B20 >50,000hrs at max TA +25°C					

# DURAFLEX OPTICS RGBW – LUMA DUAL

## SPECIFICATION INFORMATION

DFO	DB									
1	2	3	4	5	6	7	8	9	10	11
							<b>REQUIRED</b>		<b>OPTIONAL</b>	

Ex: DFODBW76OWGDY24 / KT22URGBWVW1 / KT22UC1 / DEDDI1001244CDMX

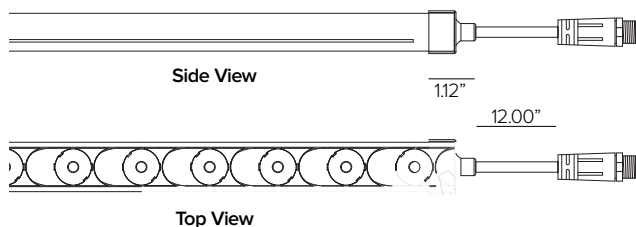
1 - PRODUCT CODE	2 - BEND	3 - FINISH	4 - WATTAGE	5 - RATING	6 - OPTICS	7 - KELVIN	8 - VOLTAGE
DFO — DURAFLEX OPTICS	DB — LUMA DUAL BEND	W — White B — Black	76 — 7.6W/ft	O — IP67	WG — Wall Graze 26° x 51° WW — Wall Wash 34° x 40° 25 — 25° 40 — 42° 50 — 51°	DY — RGBW	24 — 24V DC
8 - END PREP CONNECTION	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



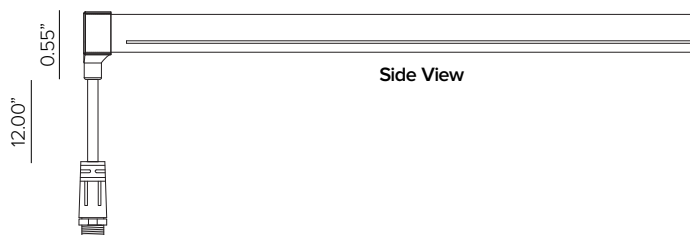
# DURAFLEX OPTICS RGBW – LUMA DUAL

## 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.

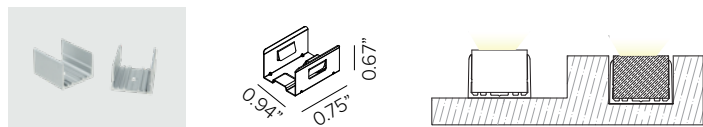
Finish	<input type="radio"/> White	<input type="radio"/> Black
Part No.	<b>KT22URGBWWL1</b>	<b>KT22URGBWBL1</b>



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.

Finish	<input type="radio"/> White	<input type="radio"/> Black
Part No.	<b>KT22URGBWWL3</b>	<b>KT22URGBWBL3</b>

## 9 - MOUNTING (REQUIRED)



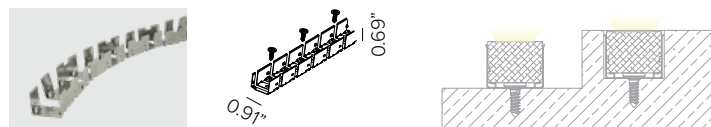
DURAFLEX OPTICS bottom fixing clips, stainless steel. Includes 5ea clips and 5ea screws.

Part No. **KT22UC1**



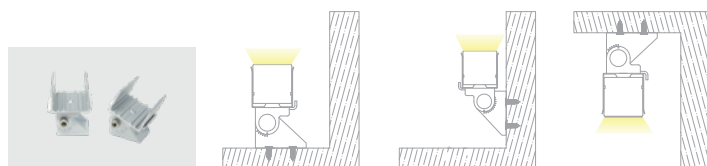
DURAFLEX OPTICS aluminum rigid profile with 2ea screws. Dimension: 39" (1M) Length. **Note, translucent cap style and bottom termination end prep configurations rest outside of the profile.**

Part No. **KT22UP1**



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**



DURAFLEX OPTICS adjustable bracket kit, white finish. Includes 5ea clips and 5ea screws.

Part No. **KT22UOB**

# DURAFLEX OPTICS RGBW – LUMA DUAL

## 10 - POWER SUPPLY (REQUIRED)

ENCLOSURE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Enclosure)	Description
<b>DEDDI1001244CDMX</b>	100W	DMX 4 Chan	0%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
<b>DEDDX1001244CDMX</b>	100W	DMX 4 Chan	0%	NEMA3R	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
<b>DEDDI2002244CDMX</b>	2X100W	DMX 4 Chan	0%	NEMA1	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.
<b>DEDDX2002244CDMX</b>	2X100W	DMX 4 Chan	0%	NEMA3R	120-277V / 24V	UL Class 2	12" x 12" x 4"	EldoLED LINEARdrive electronic driver.





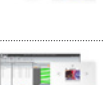
  

STAND ALONE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Standalone)	Description
<b>DEDD100DMX</b>	100W	DMX 4 Chan	0%	IP20	120-277V / 24V	UR Class 2	9.06" x 3.15" x 1.18"	EldoLED LINEARdrive electronic driver. <b>UL Listed enclosure provided by others.</b>
<b>DEDD100DMX</b>	100W	DMX 4 Chan	0%	IP20	120-277V / 24V	UR Class 2	9.06" x 3.15" x 1.18"	EldoLED LINEARdrive electronic driver. <b>UL Listed enclosure provided by others.</b>

### MAX INTERCONNECTED TAPE LENGTHS PER DRIVER

Fixture Wattage	100W	2X100W
	76W	10FT

## 11 - CONTROL (OPTIONAL)

CONTROLLERS									
Part No.		Channels	Scenes	Zones	Rating	Voltage	Certification	Dimensions	Description
<b>SWITCH20</b>		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.
<b>TGDMXSLESAU9</b>		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.
<b>TGDMXSLESAU11</b>		1024	99	5	Indoor	5VDC 120V AC <i>Plug in power supply included</i>	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.
<b>TGDMXSTICKDE3B</b>		1024	500	10	Indoor	6-7V DC 120V AC <i>Plug in power supply included</i>	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.
<b>TGDMXSTICKDE3W</b>		1024	500	10	Indoor	6-7V DC 120V AC <i>Plug in power supply included</i>	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.

# DURAFLEX OPTICS RGBW – LUMA DUAL

## PHOTOMETRY

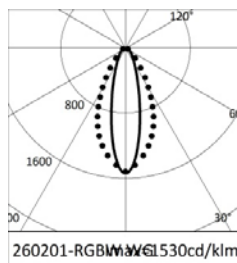
IES FILES SHOWN AT 1M (3.28FT) LENGTHS

### Wall Grazer - Red



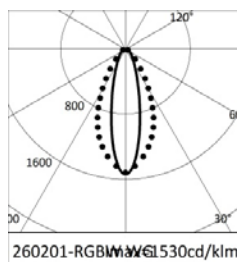
		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)	
		-	-	-	-	
		-	26°	51°	-	
Fixture Power	6W	1	0.47	0.96	345	
Source Flux	226lm	2	0.94	1.91	86	
Fixture Flux	226lm	3	1.41	2.87	38	
Efficacy	38lm/W	4	1.88	3.82	22	
260201-RGBW-GL530cd/klm	I <sub>max</sub>	345cd	5	2.35	4.78	14

### Wall Grazer - Green



		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)	
		-	-	-	-	
		-	26°	51°	-	
Fixture Power	6W	1	0.47	0.96	670	
Source Flux	438lm	2	0.94	1.91	168	
Fixture Flux	438lm	3	1.41	2.87	74	
Efficacy	73lm/W	4	1.88	3.82	42	
260201-RGBW-GL530cd/klm	I <sub>max</sub>	670cd	5	2.35	4.78	27

### Wall Grazer - Blue



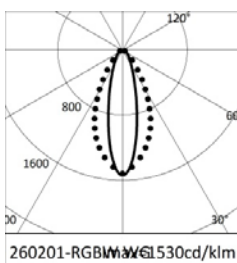
		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)	
		-	-	-	-	
		-	26°	51°	-	
Fixture Power	6W	1	0.47	0.96	141	
Source Flux	93lm	2	0.94	1.91	35	
Fixture Flux	93lm	3	1.41	2.87	16	
Efficacy	15lm/W	4	1.88	3.82	9	
260201-RGBW-GL530cd/klm	I <sub>max</sub>	141cd	5	2.35	4.78	6

### Wall Grazer - RGBW



		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)	
		-	-	-	-	
		-	26°	51°	-	
Fixture Power	24W	1	0.47	0.96	1709	
Source Flux	1118lm	2	0.94	1.91	427	
Fixture Flux	1118lm	3	1.41	2.87	190	
Efficacy	47lm/W	4	1.88	3.82	107	
260201-RGBW-GL530cd/klm	I <sub>max</sub>	1710cd	5	2.35	4.78	68

### Wall Grazer - 3000K



		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)	
		-	-	-	-	
		-	26°	51°	-	
Fixture Power	6W	1	0.47	0.96	619	
Source Flux	405lm	2	0.94	1.91	155	
Fixture Flux	405lm	3	1.41	2.87	69	
Efficacy	68lm/W	4	1.88	3.82	39	
260201-RGBW-GL530cd/klm	I <sub>max</sub>	620cd	5	2.35	4.78	25

# DURAFLEX OPTICS RGBW – LUMA DUAL

## PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

### Wall Washer - Red



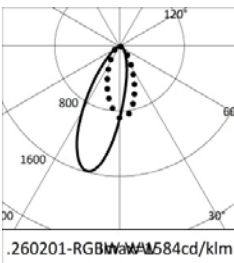
		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)	
	-		34°	40°		
Fixture Power	6W	1	0.65	0.75	329	
Source Flux	226lm	2	1.31	1.50	82	
Fixture Flux	226lm	3	1.96	2.25	37	
Efficacy	38lm/W	4	2.62	2.99	21	
.260201-RGBW-WAL584cd/klm	Imax	357cd	5	3.27	3.74	13

### Wall Washer - Green



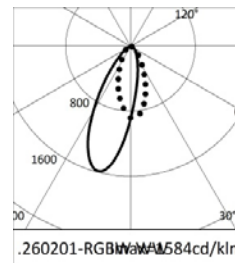
		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)	
	-		34°	40°		
Fixture Power	6W	1	0.65	0.75	638	
Source Flux	438lm	2	1.31	1.50	159	
Fixture Flux	438lm	3	1.96	2.25	71	
Efficacy	73lm/W	4	2.62	2.99	40	
.260201-RGBW-WAL584cd/klm	Imax	693cd	5	3.27	3.74	26

### Wall Washer - Blue



		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)	
	-		34°	40°		
Fixture Power	6W	1	0.65	0.75	135	
Source Flux	92lm	2	1.31	1.50	34	
Fixture Flux	92lm	3	1.96	2.25	15	
Efficacy	15lm/W	4	2.62	2.99	8	
.260201-RGBW-WAL584cd/klm	Imax	146cd	5	3.27	3.74	5

### Wall Washer - RGBW



		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)	
	-		34°	40°		
Fixture Power	24W	1	0.65	0.75	1629	
Source Flux	1118lm	2	1.31	1.50	407	
Fixture Flux	1118lm	3	1.96	2.25	181	
Efficacy	47lm/W	4	2.62	2.99	102	
.260201-RGBW-WAL584cd/klm	Imax	1771cd	5	3.27	3.74	65

### Wall Washer - 3000K



		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)	
	-		34°	40°		
Fixture Power	6W	1	0.65	0.75	589	
Source Flux	404lm	2	1.31	1.50	147	
Fixture Flux	404lm	3	1.96	2.25	65	
Efficacy	67lm/W	4	2.62	2.99	37	
.260201-RGBW-WAL584cd/klm	Imax	641cd	5	3.27	3.74	24

# DURAFLEX OPTICS RGBW – LUMA DUAL

## PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

### 25° - Red



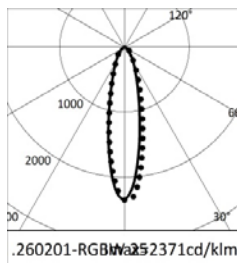
		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)
		-	24°	25°	
Fixture Power	6W	1	0.42	0.45	505
Source Flux	213lm	2	0.84	0.90	126
Fixture Flux	213lm	3	1.26	1.35	56
Efficacy	36lm/W	4	1.68	1.80	32
.260201-RGBW-25	2371cd/klm	Imax	506cd	5	2.10 2.25 20

### 25° - Green



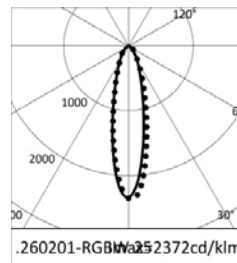
		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)
		-	24°	25°	
Fixture Power	6W	1	0.42	0.45	841
Source Flux	355lm	2	0.84	0.90	210
Fixture Flux	355lm	3	1.26	1.35	93
Efficacy	59lm/W	4	1.68	1.80	53
.260201-RGBW-25	2371cd/klm	Imax	842cd	5	2.10 2.25 34

### 25° - Blue



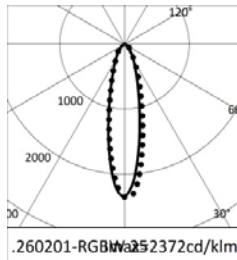
		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)
		-	24°	25°	
Fixture Power	6W	1	0.42	0.45	199
Source Flux	84lm	2	0.84	0.90	50
Fixture Flux	84lm	3	1.26	1.35	22
Efficacy	14lm/W	4	1.68	1.80	12
.260201-RGBW-25	2371cd/klm	Imax	199cd	5	2.10 2.25 8

### 25° - RGBW



		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)
		-	24°	25°	
Fixture Power	24W	1	0.42	0.45	2350
Source Flux	991lm	2	0.84	0.90	588
Fixture Flux	991lm	3	1.26	1.35	261
Efficacy	41lm/W	4	1.68	1.80	147
.260201-RGBW-25	2372cd/klm	Imax	2351cd	5	2.10 2.25 94

### 25° - 3000K



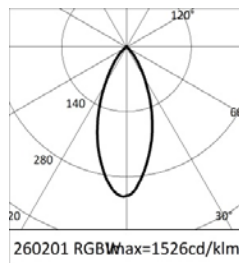
		H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)
		-	24°	25°	
Fixture Power	6W	1	0.42	0.45	881
Source Flux	372lm	2	0.84	0.90	220
Fixture Flux	372lm	3	1.26	1.35	98
Efficacy	62lm/W	4	1.68	1.80	55
.260201-RGBW-25	2372cd/klm	Imax	881cd	5	2.10 2.25 35

# DURAFLEX OPTICS RGBW – LUMA DUAL

## PHOTOMETRY

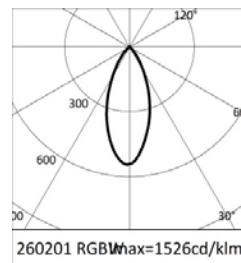
IES FILES SHOWN AT 1M (3.28FT) LENGTHS

### 40° - Red



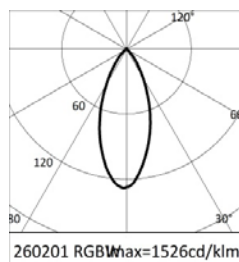
		H(m)	D(m)	Emax(lx)
		-	-	-
		-	42°	-
Fixture Power	6W	1	0.77	324
Source Flux	212lm	2	1.55	81
Fixture Flux	212lm	3	2.32	36
Efficacy	35lm/W	4	3.10	20
260201 RGBWmax=1526cd/klm	I <sub>max</sub>	324cd	5	3.87

### 40° - Green



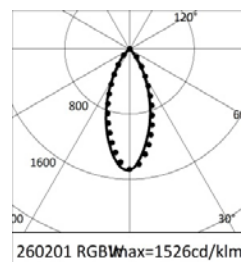
		H(m)	D(m)	Emax(lx)
		-	-	-
		-	42°	-
Fixture Power	6W	1	0.77	544
Source Flux	357lm	2	1.55	136
Fixture Flux	357lm	3	2.32	60
Efficacy	60lm/W	4	3.10	34
260201 RGBWmax=1526cd/klm	I <sub>max</sub>	545cd	5	3.87

### 40° - Blue



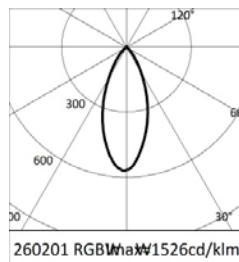
		H(m)	D(m)	Emax(lx)
		-	-	-
		-	42°	-
Fixture Power	6W	1	0.77	128
Source Flux	84lm	2	1.55	32
Fixture Flux	84lm	3	2.32	14
Efficacy	14lm/W	4	3.10	8
260201 RGBWmax=1526cd/klm	I <sub>max</sub>	128cd	5	3.87

### 40° - RGBW



		H(m)	D1(m)	D2(m)	Emax(lx)
		-	-	-	-
		-	42°	43°	-
Fixture Power	24W	1	0.77	0.78	1490
Source Flux	978lm	2	1.55	1.56	373
Fixture Flux	978lm	3	2.32	2.34	166
Efficacy	41lm/W	4	3.10	3.12	93
260201 RGBWmax=1526cd/klm	I <sub>max</sub>	1492cd	5	3.87	3.90

### 40° - 3000K



		H(m)	D(m)	Emax(lx)
	3000K	-	-	-
		-	42°	-
Fixture Power	6W	1	0.77	570
Source Flux	374lm	2	1.55	142
Fixture Flux	374lm	3	2.32	63
Efficacy	62lm/W	4	3.10	36
260201 RGBWmax=1526cd/klm	I <sub>max</sub>	571cd	5	3.87

# DURAFLEX OPTICS RGBW – LUMA DUAL

## PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

### 50° - Red

		H(m)	D(m)	Emax(lx)
	-		0.96	194
	-		51°	
Fixture Power	6W	1	0.96	194
Source Flux	205lm	2	1.92	48
Fixture Flux	205lm	3	2.88	22
Efficacy	34lm/W	4	3.85	12
.260201-RGBW-50-947cd/klm	Imax	194cd	4.81	8

### 50° - Green

		H(m)	D(m)	Emax(lx)
	-		0.96	326
	-		51°	
Fixture Power	6W	1	0.96	326
Source Flux	344lm	2	1.92	81
Fixture Flux	344lm	3	2.88	36
Efficacy	57lm/W	4	3.85	20
.260201-RGBW-50-947cd/klm	Imax	326cd	4.81	13

### 50° - Blue

		H(m)	D(m)	Emax(lx)
	-		0.96	77
	-		51°	
Fixture Power	6W	1	0.96	77
Source Flux	81lm	2	1.92	19
Fixture Flux	81lm	3	2.88	9
Efficacy	14lm/W	4	3.85	5
.260201-RGBW-50-947cd/klm	Imax	77cd	4.81	3

### 50° - RGBW

		H(m)	D(m)	Emax(lx)
	-		0.96	892
	-		51°	
Fixture Power	24W	1	0.96	892
Source Flux	942lm	2	1.92	223
Fixture Flux	942lm	3	2.88	99
Efficacy	39lm/W	4	3.85	56
.260201-RGBW-50-947cd/klm	Imax	892cd	4.81	36

### 50° - 3000K

		H(m)	D(m)	Emax(lx)
	-		0.96	341
	-		51°	
Fixture Power	6W	1	0.96	341
Source Flux	361lm	2	1.92	85
Fixture Flux	361lm	3	2.88	38
Efficacy	60lm/W	4	3.85	21
.260201-RGBW-50-947cd/klm	Imax	342cd	4.81	14