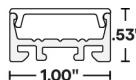




# OPTI-FLAT (01) RGBW

24VDC Linear Fixtures - Surface & Recessed



- Choose from diffused, polar or frosted lens options for varying diode visibility and beam cutoff
- Delivers smooth and consistent light to highlight architectural features and surfaces
- Ideal for surface-mounted installations
- Integrated metal end caps combined with an extruded aluminum housing give this fixture a polished modern look

## INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 LENS
OP1RGBW				

## ADDITIONAL INFORMATION REQUIRED TO ORDER

6 WIRE INPUT/ OUTPUT	7 CONNECTOR/ WIRE IN	8 CONNECTOR/ WIRE OUT	9 WIRE COLOR	10 WIRE TYPE	11 MOUNTING	12 FINISH	13 LENGTH (IN)	14 EXACT/ OPTIMAL
					CC			

Sample Part Number: **OP1RGBW-6.0-30-DRY-DF-P1-CON6-CON6-WH-CL2-CC-WH-48"-E**

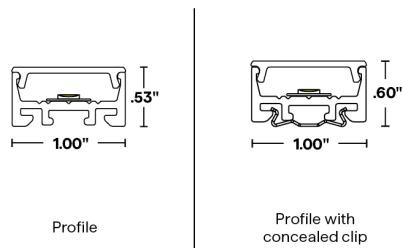
<b>1</b> <b>PRODUCT</b>  OP1RGBW  See following pages for compatible power supplies.	<b>2</b> <b>WATTS/FT</b>  6.0 6.0W/ft  4.0HE 4.0W/ft HE	<b>3</b> <b>CCT</b>  27 RGBW-2700K 30 RGBW-3000K  27 RGBW-2700K 30 RGBW-3000K 35 RGBW-3500K 40 RGBW-4000K	<b>4</b> <b>RATED</b>  DRY IP20 DMP IP54 WET IP67		
<b>5</b> <b>LENS</b>  DF Diffused PR Polar FR Frosted	<b>6</b> <b>WIRE INPUT/OUTPUT</b>  SINGLE (Input only) S1 End Feed S2 Bottom Feed  PASS THROUGH (Input/Output) P1 End Feed P2 Bottom Feed	<b>7</b> <b>CONNECTOR/WIRE IN</b>  BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24"	<b>8</b> <b>CONNECTOR/WIRE OUT</b>  CLS Closed End (No feed)  BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24"		
			BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)		
			BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)		
<b>9</b> <b>WIRE COLOR</b>  WH White BK Black	<b>10</b> <b>WIRE TYPE</b>  CL2 Class 2 CL2P Plenum Rated  CL2P only available with bare wire leads (BW)	<b>11</b> <b>MOUNTING</b>  CC Concealed Clip	<b>12</b> <b>FINISH</b>  ST Satin BK Black WH White CU Custom  Custom finishes have longer lead times. Non-RAL 9003 whites custom.	<b>13</b> <b>LENGTH (IN)</b>  Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".	<b>14</b> <b>EXACT/OPTIMAL</b>  O Optimal Illumination E Exact Specified Length  Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end.



# OPTI-FLAT (01) RGBW

## 24VDC Linear Fixtures - Surface & Recessed

### 1 PRODUCT - DIMENSIONS

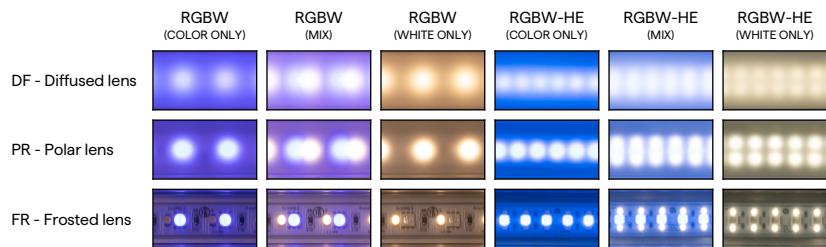


### 2 DELIVERED LUMENS

[Calculated L70 = 51000 hrs]  
Tested with OP1RGBW-\*\*-\*\*-DRY-\*\*

	6.0 W/FT								4.0HE W/FT							
	3000K		Red		Green		Blue		3000K		Red		Green		Blue	
	LM/FT	CRI	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	CRI	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength
FR	123	92	40	628	111	514	26	464	79	97	32	626	115	522	30	469
PR	115	93	38	629	104	515	24	464	76	97	31	626	109	522	29	469
DF	103	93	34	628	94	515	22	464	67	97	27	626	97	522	26	469

### 5 DIODE VISIBILITY



### TEMPERATURE RATINGS

		6.0 W/FT	
		Min	Max
DRY	Ambient Operating Temp - Surface	-13°F	110°F



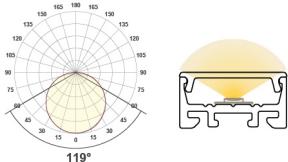
# OPTI-FLAT (01) RGBW

## 24VDC Linear Fixtures - Surface & Recessed

### PHOTOMETRIC PERFORMANCE

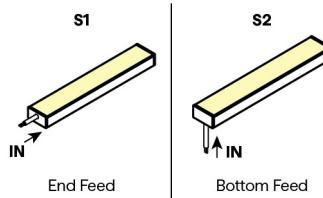
Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.

**6W/ft** Diffused Lens

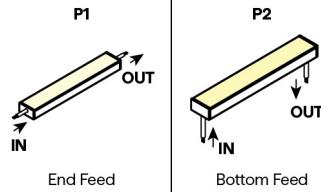


### 6 WIRE INPUT/OUTPUT

SINGLE (Input only)



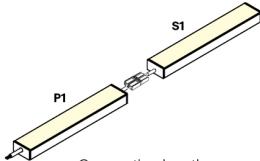
PASS THROUGH (Input/Output)



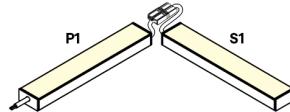
### CONFIGURATION OPTIONS



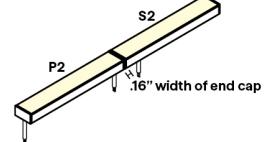
Single End Feed



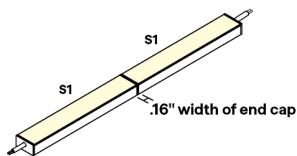
Connection by others  
Non-Continuous End Feed



Connection by others  
Non-Continuous Corner Feed



Continuous Bottom Feed



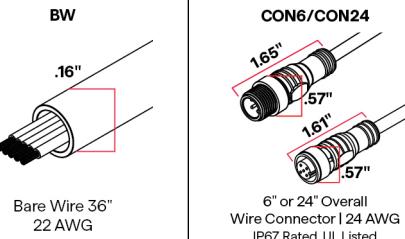
Single End Feed



## OPTI-FLAT (01) RGBW

### 24VDC Linear Fixtures - Surface & Recessed

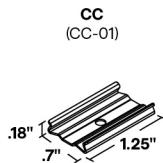
#### 7 / 8 CONNECTOR/WIRE – IN/OUT



#### 9 WIRE COLOR



#### 11 MOUNTING



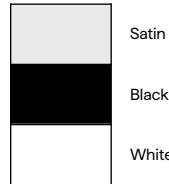
Concealed Clip

2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'

To order separately use CC-01 (sold in pairs)

Each clip comes with a #4 x 5/8" Flat Head screw.

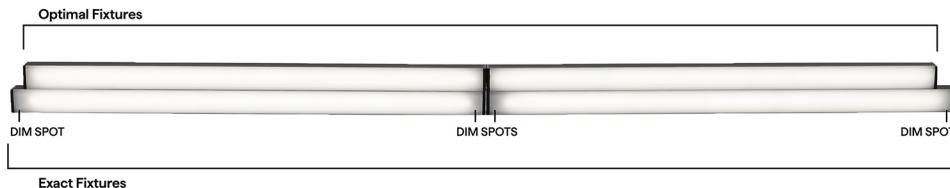
#### 12 FINISH



Custom finishes require a longer lead time, consult factory

#### 14 EXACT/OPTIMAL FIXTURE LENGTH

Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.





# OPTI-FLAT (01) RGBW

## 24VDC Linear Fixtures - Surface & Recessed

### RGBW-HE DRY DMP LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 – 1/8". Consult factory for lengths under 12".

#### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
12"	1"
13"	0.5"
14"	1"
15"	0.5"
16"	1"
17"	0.5"
18"	1"
19"	0.5"
20"	1"
21"	0.5"
22"	1"
23"	0.5"
24"	1"
36"	1"
48"	1"
60"	1"
72"	1"
84"	1"
96"	1"

#### OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2	
	S1	S2	P1	P2
12"	10.51"	10.86"		
13"	12.51"	12.86"		
14"	12.51"	12.86"		
15"	14.51"	14.86"		
16"	14.51"	14.86"		
17"	16.51"	16.86"		
18"	16.51"	16.86"		
19"	18.51"	18.86"		
20"	18.51"	18.86"		
21"	20.51"	20.86"		
22"	20.51"	20.86"		
23"	22.51"	22.86"		
24"	22.51"	22.86"		
36"	34.51"	34.86"		
48"	46.51"	46.86"		
60"	58.51"	58.86"		
72"	70.51"	70.86"		
84"	82.51"	82.86"		
96"	94.51"	94.86"		

### RGBW-HE WET LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 – 1/8". Consult factory for lengths under 12".

#### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
12"	1"
13"	0.5"
14"	1"
15"	0.5"
16"	1"
17"	0.5"
18"	1"
19"	0.5"
20"	1"
21"	0.5"
22"	1"
23"	0.5"
24"	1"
36"	1"
48"	1"
60"	1"
72"	1"
84"	1"
96"	1"

#### OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2	
	S1	S2	P1	P2
12"	10.66"	11.06"		
13"	12.66"	11.06"		
14"	12.66"	13.06"		
15"	14.66"	13.06"		
16"	14.66"	15.06"		
17"	16.66"	15.06"		
18"	16.66"	17.06"		
19"	18.66"	17.06"		
20"	18.66"	19.06"		
21"	20.66"	19.06"		
22"	20.66"	21.06"		
23"	22.66"	21.06"		
24"	22.66"	23.06"		
36"	34.66"	35.06"		
48"	46.66"	47.06"		
60"	58.66"	59.06"		
72"	70.66"	71.06"		
84"	82.66"	83.06"		
96"	94.66"	95.06"		



# OPTI-FLAT (01) RGBW

## 24VDC Linear Fixtures - Surface & Recessed

### RGBW DRY DMP LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 – 1/8". Consult factory for lengths under 12".

#### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
12"	2"
13"	0.5"
14"	1"
15"	1.5"
16"	2"
17"	0.5"
18"	1"
19"	1.5"
20"	2"
21"	0.5"
22"	1"
23"	1.5"
24"	2"
36"	2"
48"	2"
60"	2"
72"	2"
84"	2"
96"	2"

#### OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2	
	S1	S2	P1	P2
12"	8.51"		8.86"	
13"	12.51"		12.86"	
14"	12.51"		12.86"	
15"	12.51"		12.86"	
16"	12.51"		12.86"	
17"	16.51"		16.86"	
18"	16.51"		16.86"	
19"	16.51"		16.86"	
20"	16.51"		16.86"	
21"	20.51"		20.86"	
22"	20.51"		20.86"	
23"	20.51"		20.86"	
24"	20.51"		20.86"	
36"	32.51"		32.86"	
48"	44.51"		44.86"	
60"	56.51"		56.86"	
72"	68.51"		68.86"	
84"	80.51"		80.86"	
96"	92.51"		92.86"	

### RGBW WET LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 – 1/8". Consult factory for lengths under 12".

#### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
12"	2"
13"	0.5"
14"	1"
15"	1.5"
16"	2"
17"	0.5"
18"	1"
19"	1.5"
20"	2"
21"	0.5"
22"	1"
23"	1.5"
24"	2"
36"	2"
48"	2"
60"	2"
72"	2"
84"	2"
96"	2"

#### OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2	
	S1	S2	P1	P2
12"	8.66"		9.06"	
13"	12.66"		9.06"	
14"	12.66"		13.06"	
15"	12.66"		13.06"	
16"	12.66"		13.06"	
17"	16.66"		13.06"	
18"	16.66"		17.06"	
19"	16.66"		17.06"	
20"	16.66"		17.06"	
21"	20.66"		17.06"	
22"	20.66"		21.06"	
23"	20.66"		21.06"	
24"	20.66"		21.06"	
36"	32.66"		33.06"	
48"	44.66"		45.06"	
60"	56.66"		57.06"	
72"	68.66"		69.06"	
84"	80.66"		81.06"	
96"	92.66"		93.06"	



# OPTI-FLAT (01) RGBW

## 24VDC Linear Fixtures - Surface & Recessed

### COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

DIM TO LEVEL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGBW App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle	

### COMPATIBLE MOUNTING ACCESSORIES

<b>HINGE - HMB-M</b> 1.41" .71" Adjustable mounting bracket - Medium	<b>HINGE - HMB-L</b> 1.46" 1.29" Adjustable mounting bracket - Large	<b>HINGE - HMB-XL</b> 1.46" 4" Adjustable mounting bracket - XLarge	<b>Q-PIVOT</b> .75" 1.03" Small mounting accessory	<b>Q-ANGLE</b> 1.38" 2.23" Adjustable mounting accessory	<b>QUOVA-STANDARD</b> QUOVA Knife Edge	<b>NJ-LARGE</b> J Mounting Bracket	<b>NU-LARGE</b> U Mounting Bracket	<b>SD-J-LARGE</b> J Mounting Bracket	<b>BL-LARGE</b> Backwards L Mounting Bracket
<b>NL-LARGE</b> L Mounting Bracket	<b>SD-L-LARGE</b> L Mounting Bracket								

### COMPATIBLE WIRING ACCESSORIES



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)



## OPTI-FLAT (01) RGBW

24VDC Linear Fixtures - Surface & Recessed

### COMPATIBLE CONTROL ACCESSORIES

#### SCENE APP DONGLE



Wi-Fi or Bluetooth  
Connectivity

### COMPATIBLE APPS

#### NFC APP



Read and write  
DMX addresses and  
adjust voltage