



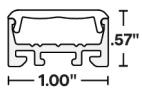
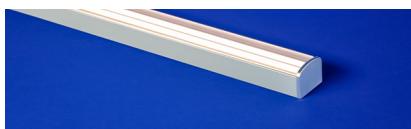
# OPTI-OPTICS (O2) RGBW

24VDC Linear Fixtures - Surface & Recessed



5 YEAR  
WARRANTY

Declare.



- Versatile surface and recessed mount linear LED fixture with an advanced assortment of optics
- Choose from nine lens options for varying diode visibility and beam angles
- Easy installation with options for concealed or magnet clip
- Durable anodized aluminum housings
- Red, Green, and Blue LED paired with a specifiable white LED allow for color changing applications
- Consult factory for field assembly options

1 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 LENS	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
OP2RGBW	6.0		DRY							CC			

Sample Part Number: OP2RGBW-6.0-30-DRY-155D-P1-CON6-CON6-WH-CL2-CC-WH-48"-E

<b>1</b> PRODUCT OP2RGBW See following pages for compatible power supplies.	<b>2</b> WATTS/FT 6.0 6.0W/ft	<b>3</b> CCT 27 30 RGBW-2700K RGBW-3000K	<b>4</b> RATED DRY IP20
<b>5</b> LENS 40D Optical 40° 60D Optical 60° 70D Optical 70° 90D Optical 90° 110D Optical 110° 155D Optical 155° 180D Optical 180°	<b>6</b> WIRE INPUT/OUTPUT S1 Single 1 (Input only) - End Feed S2 Single 2 (Input only) - Bottom Feed For continuous mounting, consider bottom feed.	<b>7</b> CONNECTOR/WIRE IN 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)	<b>8</b> CONNECTOR/WIRE OUT CLS Closed End (No feed)
ASYM FT Asymmetric Forward Throw	<b>6</b> WIRE INPUT/OUTPUT P1 Pass Through 1 (Input/output) - End Feed P2 Pass Through 2 (Input/output) - Bottom Feed For continuous mounting, consider bottom feed.	<b>7</b> CONNECTOR/WIRE IN 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)	<b>8</b> CONNECTOR/WIRE OUT 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)
For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages.	<b>6</b> WIRE INPUT/OUTPUT S1A Single 1 (Input only) - End Feed S1B Single 1 (Input only) - End Feed S2A Single 2 (Input only) - Bottom Feed S2B Single 2 (Input only) - Bottom Feed For continuous mounting, consider bottom feed.	<b>7</b> CONNECTOR/WIRE IN 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)	<b>8</b> CONNECTOR/WIRE OUT CLS Closed End (No feed)
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<b>9</b> WIRE COLOR WH White BK Black	<b>10</b> WIRE TYPE CL2 Class 2 CL2P Plenum Rated CL2P only available with bare wire leads (BW)	<b>11</b> MOUNTING CC Concealed Clip	<b>12</b> FINISH ST Satin BK Black WH White CU Custom
			<b>13</b> LENGTH (IN) Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".
			<b>14</b> EXACT/OPTIMAL 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.

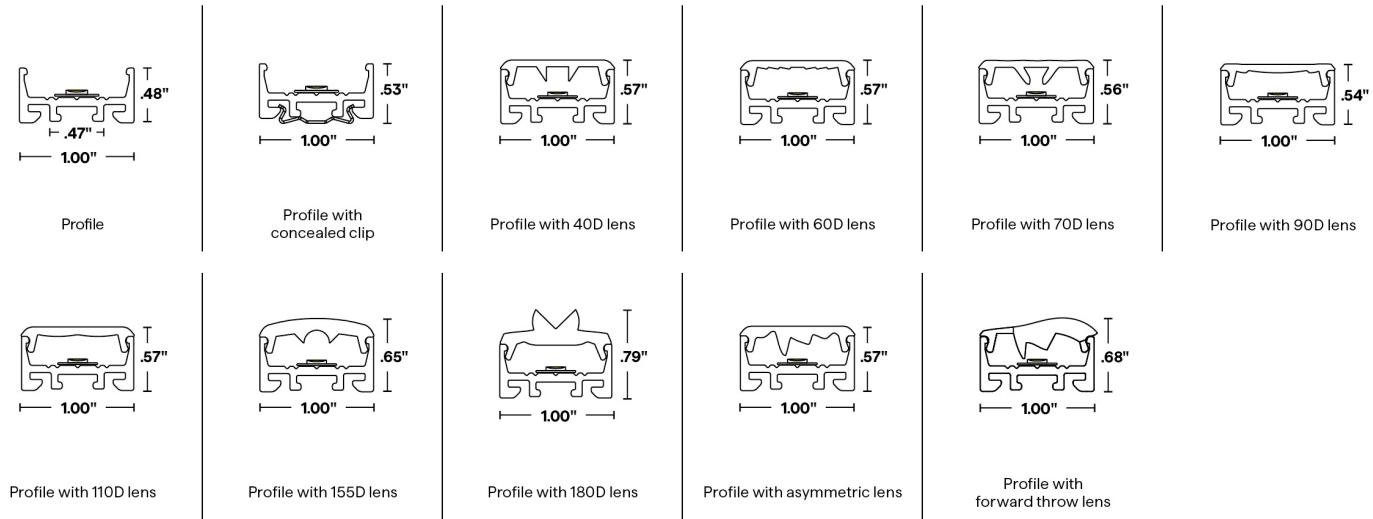
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



## OPTI-OPTICS (02) RGBW

### 24VDC Linear Fixtures - Surface & Recessed

#### 1 PRODUCT - DIMENSIONS



#### 2 DELIVERED LUMENS

[Calculated L70 = 51000 hrs]  
Tested with OP2RGBW-6.0-\*\*-DRY-\*\*

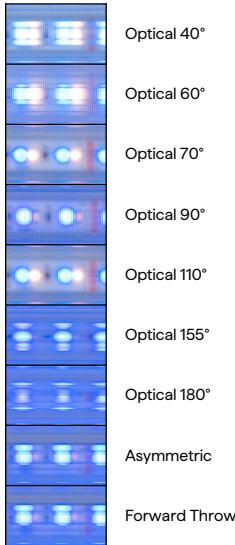
	3000K		Red		Green		Blue	
	LM/FT	CRI	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength
40D	146	92	39	629	113	513	32	463
60D	133	93	36	629	110	513	30	464
70D	139	93	37	629	113	513	31	464
90D	136	93	37	629	112	513	30	464
110D	135	93	37	629	104	513	29	463
155D	133	92	36	629	103	513	29	463
180D	135	92	36	629	101	513	28	463
ASYM	131	93	37	629	111	513	30	464
FT	121	93	36	627	95	513	26	463



# OPTI-OPTICS (02) RGBW

## 24VDC Linear Fixtures - Surface & Recessed

### 5 DIODE VISIBILITY



### TEMPERATURE RATINGS

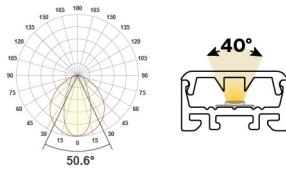
		6.0 W/FT	
		Min	Max
DRY	Ambient Operating Temp - Surface	-13°F	110°F

### PHOTOMETRIC PERFORMANCE

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

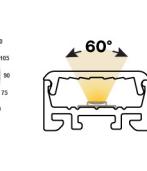
**6W/ft**

Optical 40°



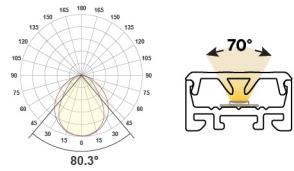
**6W/ft**

Optical 60°



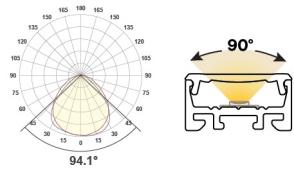
**6W/ft**

Optical 70°



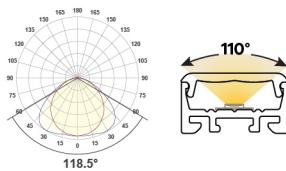
**6W/ft**

Optical 90°



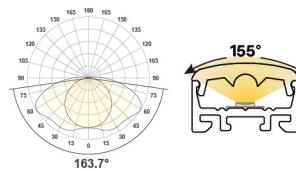
**6W/ft**

Optical 110°



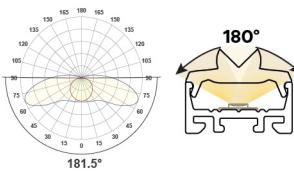
**6W/ft**

Optical 155°



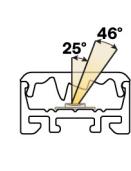
**6W/ft**

Optical 180°



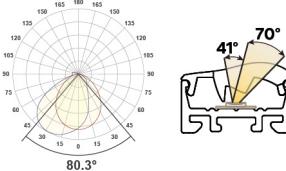
**6W/ft**

Asymmetric



**6W/ft**

Forward Throw



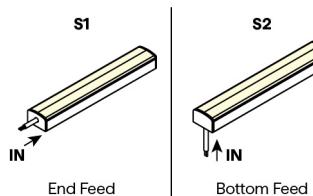


# OPTI-OPTICS (02) RGBW

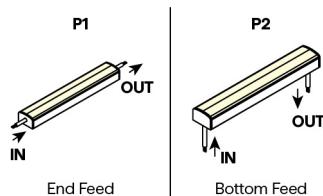
## 24VDC Linear Fixtures - Surface & Recessed

### 6 WIRE INPUT/OUTPUT

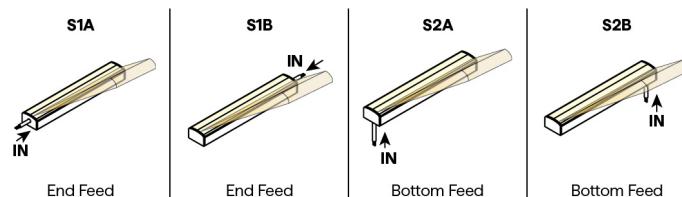
SINGLE (Input only)



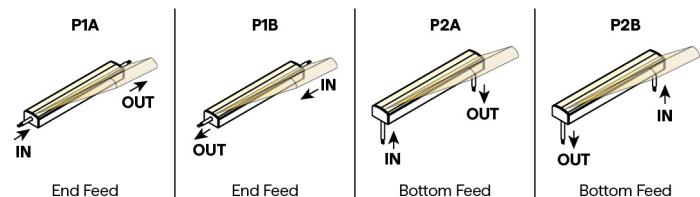
PASS THROUGH (Input/Output)



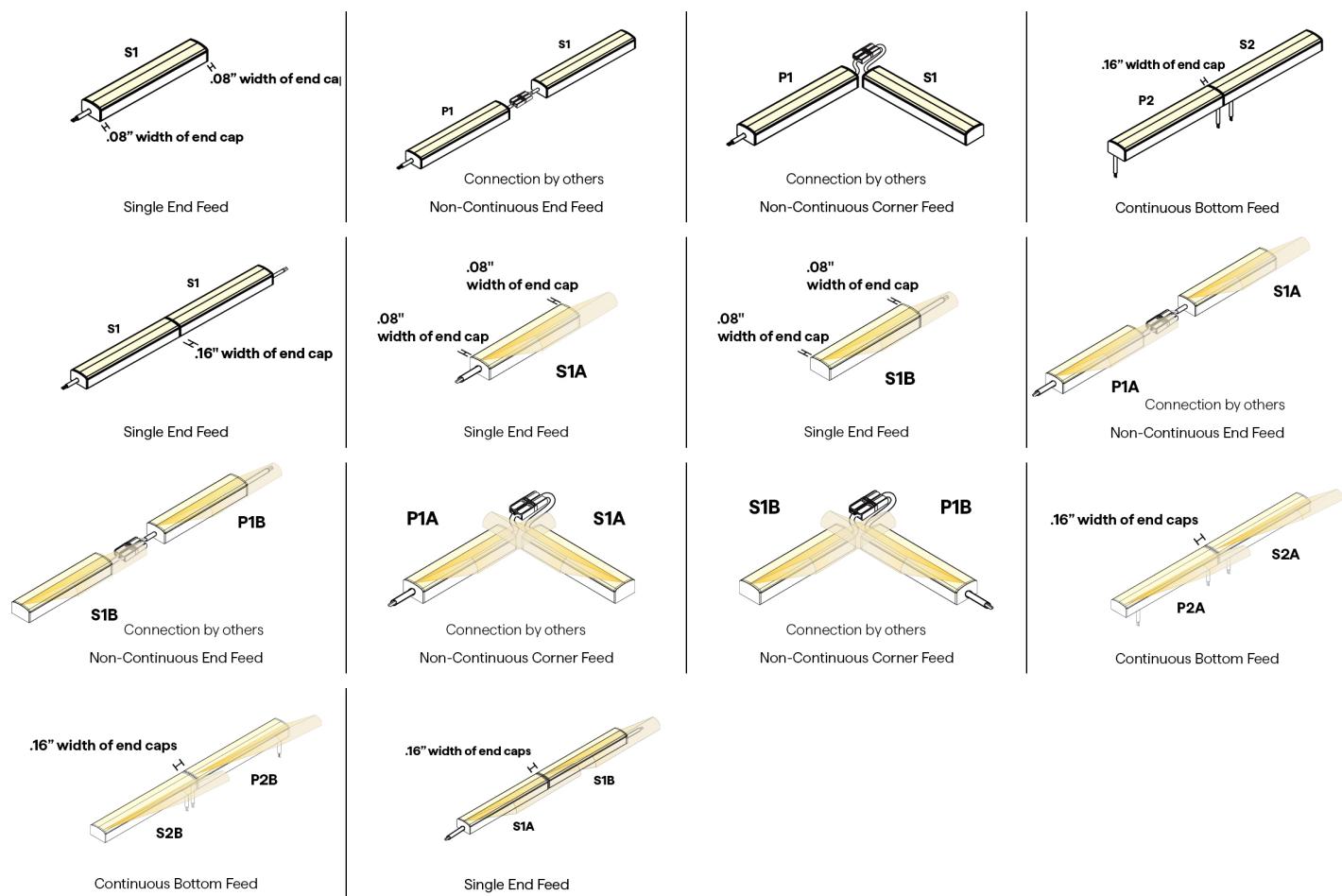
ASYMMETRIC ONLY SINGLE (Input only)



ASYMMETRIC ONLY PASS THROUGH (Input/Output)



### CONFIGURATION OPTIONS

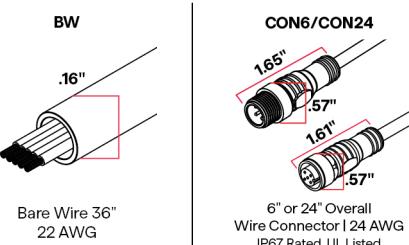




## OPTI-OPTICS (02) RGBW

### 24VDC Linear Fixtures - Surface & Recessed

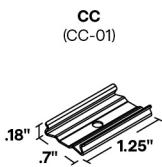
#### 7 / 8 CONNECTOR/WIRE – IN/OUT



#### 9 WIRE COLOR



#### 11 MOUNTING



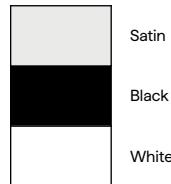
Concealed Clip

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

To order separately use CC-01

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

#### 12 FINISH

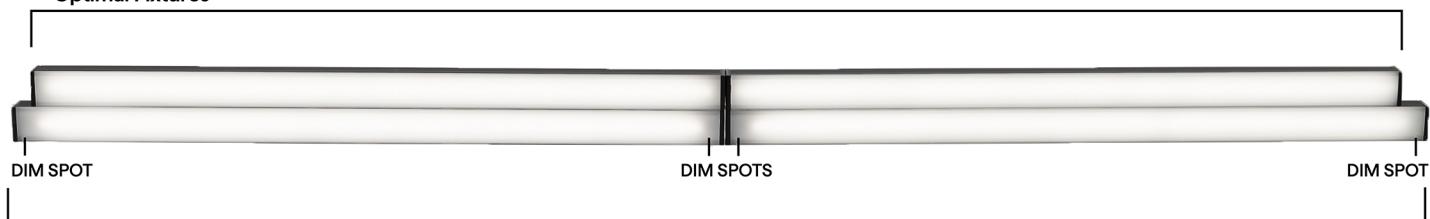


Custom finishes require a longer lead time, consult factory

#### 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.

##### Optimal Fixtures



##### Exact Fixtures



# OPTI-OPTICS (O2) RGBW

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### RGBW DRY 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 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: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 & S1A/B & S2 & S2A/B		P1 & P1A/B & P2 & P2A/B	
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed
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"	

### COMPATIBLE POWER SUPPLIES

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

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

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



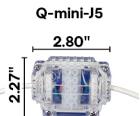
## **OPTI-OPTICS (02) RGBW**

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## COMPATIBLE MOUNTING ACCESSORIES

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

## COMPATIBLE WIRING ACCESSORIES



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

## COMPATIBLE CONTROL ACCESSORIES



## Wi-Fi or Bluetooth Connectivity

## COMPATIBLE APPS



Read and write  
DMX addresses and  
adjust voltage