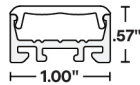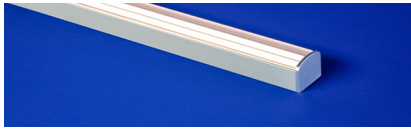# OPTI-OPTICS (02) RGB
24VDC Linear Fixtures - Surface & Recessed

- Choose from 9 lens options: 40°, 60°, 70°, 90°, 110°, 155°, 180°, Asymmetric, & Forward Throw
- Delivers smooth and consistent light to highlight architectural features and surfaces
- Ideal for surface-mounted or recessed installations
- Integrated metal end caps combined with an extruded aluminum housing give this fixture a polished modern look

.57"
1.00"

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

① PRODUCT	② WATTS/ FT	③ CCT	④ RATED	⑤ LENS
OP2RGB	6.0	RGB	DRY	

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: **OP2RGB-6.0-RGB-DRY-155D-P1-CON6-CON6-WH-CL2-CC-WH-48"-E**

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① PRODUCT

OP2RGB

See following pages for compatible power supplies.

② WATTS/FT

6.0   6.0W/ft

③ CCT

RGB

④ RATED

DRY   IP20

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⑤ LENS

40D	Optical 40°
60D	Optical 60°
70D	Optical 70°
90D	Optical 90°
110D	Optical 110°
155D	Optical 155°
180D	Optical 180°

ASYM	Asymmetric
FT	Forward Throw

40D, 60D, 70D, 90D, 110D, 155D, 180D, and ASYM are offered in 44.9" lengths.
For representation of LED visibility, see Diode Visibility section on following pages.
For beam angles, see Photometric Performance section on following pages

⑥ WIRE INPUT/OUTPUT

SINGLE (Input only)
S1	End Feed
S2	Bottom Feed

PASS THROUGH (Input/Output)
P1	End Feed
P2	Bottom Feed

SINGLE (Input only)
S1A	End Feed
S1B	End Feed
S2A	Bottom Feed
S2B	Bottom Feed

PASS THROUGH (Input/Output)
P1A	End Feed
P1B	End Feed
P2A	Bottom Feed
P2B	Bottom Feed

For continuous mounting, consider bottom feed.

⑦ CONNECTOR/WIRE IN

BW	Bare Wire (Standard 36")
CON6	Connector 6"
CON24	Connector 24"

BW	Bare Wire (Standard 36")
CON6	Connector 6"
CON24	Connector 24"

BW	Bare Wire (Standard 36")
CON6	Connector 6"
CON24	Connector 24"

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)

⑧ CONNECTOR/WIRE OUT

CLS	Closed End (No feed)

BW	Bare Wire (Standard 36")
CON6	Connector 6"
CON24	Connector 24"

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)

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⑨ WIRE COLOR

WH	White
BK	Black

⑩ WIRE TYPE

CL2	Class 2
CL2P	Plenum Rated

CL2P only available with bare wire leads (BW)

⑪ MOUNTING

CC   Concealed Clip

⑫ FINISH

ST	Satin
BK	Black
WH	White
CU	Custom

Custom finishes have longer lead times. Non-RAL 9003 whites custom.

⑬ LENGTH (IN)

Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".

⑭ 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.
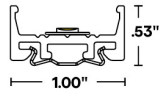

OPTI-OPTICS (02) RGB
24VDC Linear Fixtures - Surface & Recessed

1 PRODUCT - DIMENSIONS
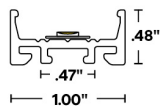
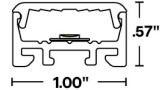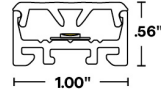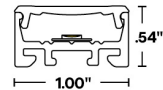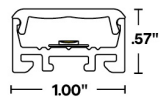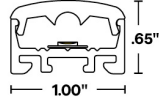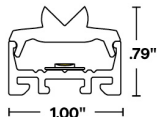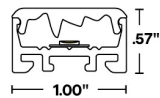|					
.48" / .47" / 1.00"	.53" / 1.00"	.57" / 1.00"	.57" / 1.00"	.56" / 1.00"	.54" / 1.00"
Profile	Profile with concealed clip	Profile with 40D lens	Profile with 60D lens	Profile with 70D lens	Profile with 90D lens
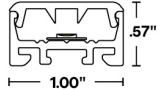
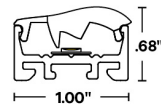|				
.57" / 1.00"	.65" / 1.00"	.79" / 1.00"	.57" / 1.00"	.68" / 1.00"
Profile with 110D lens	Profile with 155D lens	Profile with 180D lens	Profile with asymmetric lens	Profile with forward throw lens

2 DELIVERED LUMENS

[Calculated L70 = 52000 hrs]
Tested with OP2RGB-6.0-RGB-DRY-**

	Red		Green		Blue		All
	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT
40D	64	631	182	523	54	469	292
60D	60	630	167	521	51	469	268
70D	62	631	173	519	52	469	278
90D	61	630	170	521	52	469	273
110D	59	631	165	522	49	469	265
155D	59	631	169	521	50	469	271
180D	60	631	168	521	50	469	270
ASYM	59	631	170	521	52	469	273
FT	49	630	146	521	45	468	234

OPTI-OPTICS (02) RGB
24VDC Linear Fixtures - Surface & Recessed

5 DIODE VISIBILITY

Optical 40°

Optical 60°

Optical 70°

Optical 90°

Optical 110°

Optical 155°

Optical 180°

Asymmetric

Forward Throw
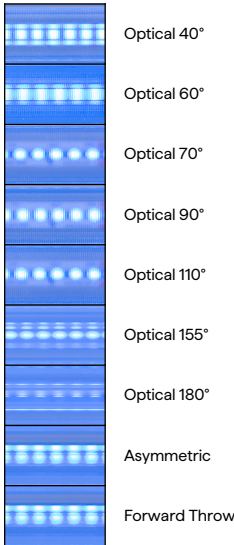
TEMPERATURE RATINGS

		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 | Green — Optical 40°

51.8°

6W/ft | Green — Optical 60°

87.2°

6W/ft | Green — Optical 70°

87.2°

6W/ft | Green — Optical 90°

96.2°

6W/ft | Green — Optical 110°

118.2°

6W/ft | Green — Optical 155°

160.2°

6W/ft | Green — Optical 180°

181.7°

6W/ft | Green — Asymmetric

61.8°

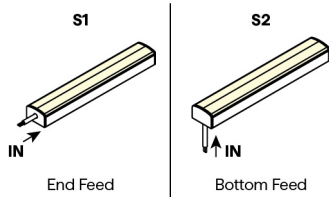**6W/ft | Green** — Forward Throw

79.3°
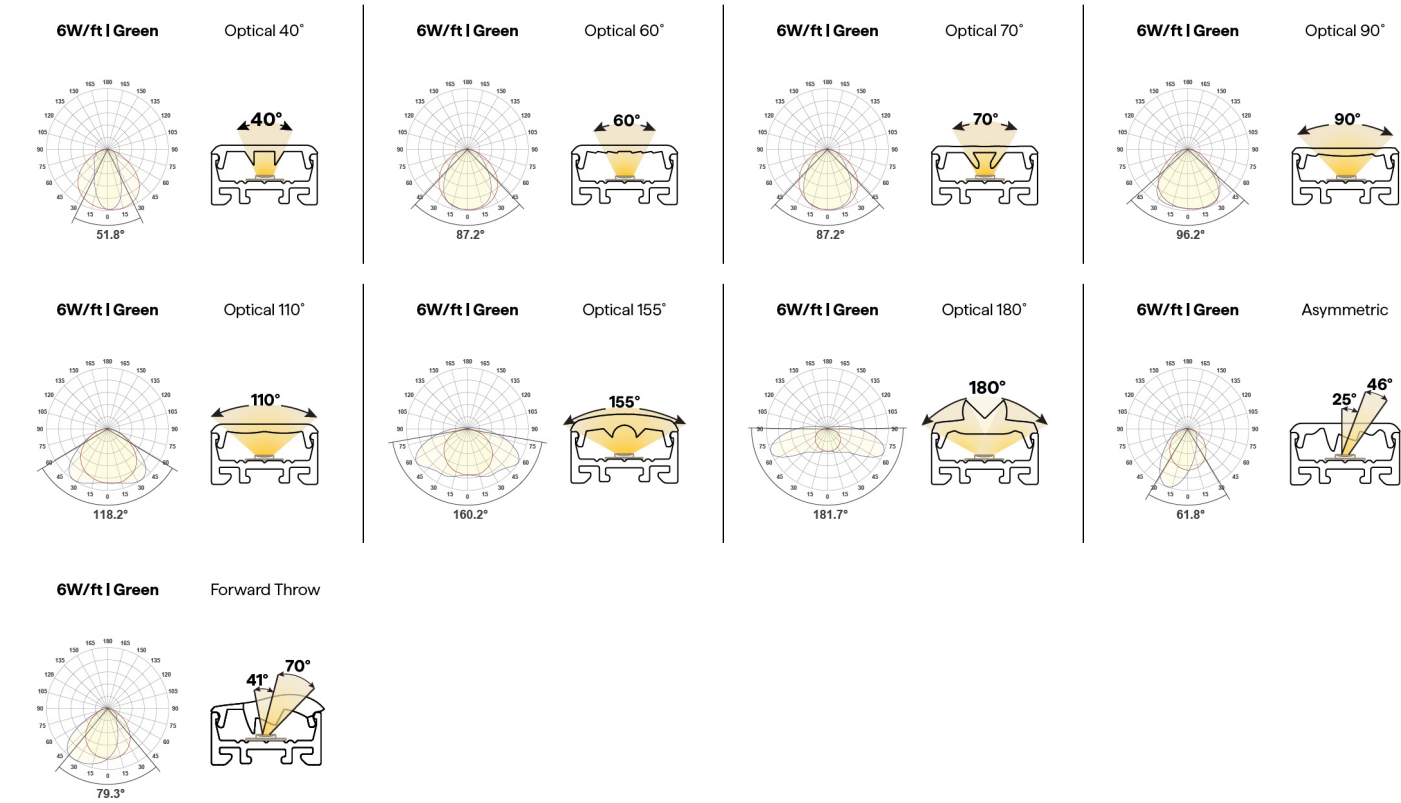
OPTI-OPTICS (O2) RGB
24VDC Linear Fixtures - Surface & Recessed

⑥ WIRE INPUT/OUTPUT

SINGLE (Input only)

S1
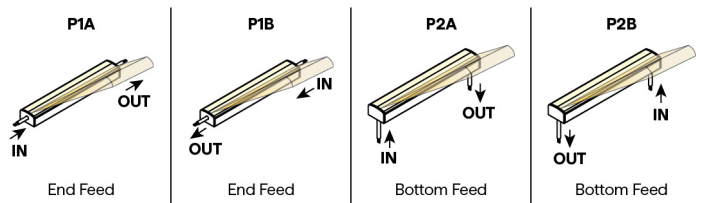
IN

End Feed

S2

IN

Bottom Feed

PASS THROUGH (Input/Output)

P1

OUT

IN

End Feed

P2

OUT

IN

Bottom Feed
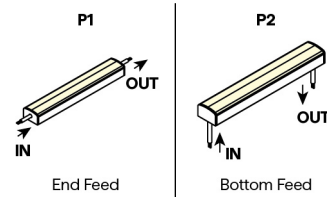
ASYMMETRIC ONLY SINGLE (Input only)

S1A

IN

End Feed

S1B

IN

End Feed

S2A

IN

Bottom Feed

S2B

IN

Bottom Feed
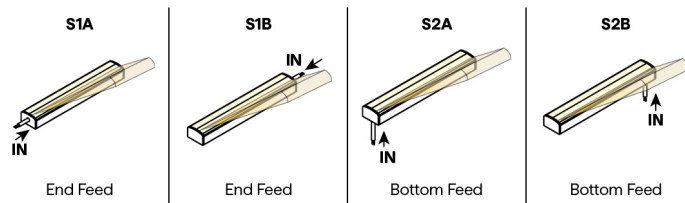
ASYMMETRIC ONLY PASS THROUGH (Input/Output)

P1A

IN

OUT

End Feed

P1B

IN

OUT

End Feed

P2A

OUT

IN

Bottom Feed

P2B

IN

OUT

Bottom Feed

CONFIGURATION OPTIONS

S1
.08" width of end cap
.08" width of end cap
Single End Feed

P1 / **S1**
Connection by others
Non-Continuous End Feed

P1 / **S1**
Connection by others
Non-Continuous Corner Feed

S2
P2
.16" width of end cap
Continuous Bottom Feed

S1 / **S1**
.16" width of end cap
Single End Feed

S1A
.08" width of end cap
.08" width of end cap
Single End Feed

S1B
.08" width of end cap
.08" width of end cap
Single End Feed

S1A
P1A
Connection by others
Non-Continuous End Feed

P1B
S1B
Connection by others
Non-Continuous End Feed

P1A / **S1A**
Connection by others
Non-Continuous Corner Feed

S1B / **P1B**
Connection by others
Non-Continuous Corner Feed

S2A
P2A
.16" width of end caps
Continuous Bottom Feed

P2B
S2B
.16" width of end caps
Continuous Bottom Feed

S1B
S1A
.16" width of end caps
Single End Feed

7 / 8 CONNECTOR/WIRE – IN/OUT

BW

.15"

Bare Wire 36"
22 AWG

CON6/CON24

1.65"
.57"
1.61"
.57"
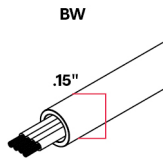
6" or 24" Overall
Wire Connector | 24 AWG
IP67 Rated, UL Listed

9 WIRE COLOR

White

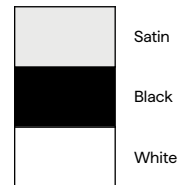Black

11 MOUNTING

CC
(CC-01)

.18"
.7"   1.25"
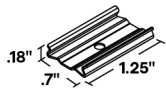
Concealed Clip

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

12 FINISH

Satin

Black

White

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.
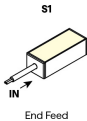
Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT
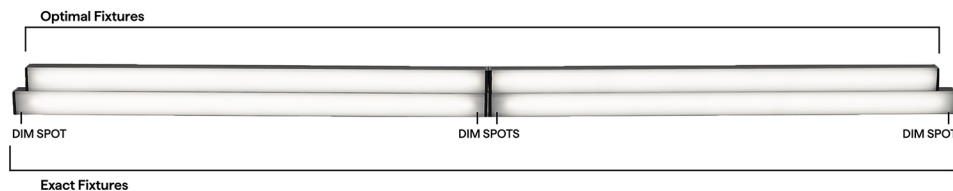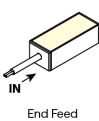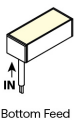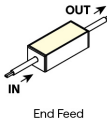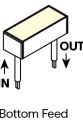
Exact Fixtures

RGB 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 a S1 fixture (S1 End Feed)
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 & S1A/B & S2 & S2A/B		P1 & P1A/B & P2 & P2A/B	
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed
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"	

COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR
	RGB
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 RGB App Dongle

DIMMING PROTOCOL	INDOOR
	RGB
DMX	QTM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8

OPTI-OPTICS (02) RGB
24VDC Linear Fixtures - Surface & Recessed

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"	4" 1.46"	.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

NL-LARGE	SD-L-LARGE
L Mounting Bracket	L Mounting Bracket

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

2.80"
2.27"

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

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

1.36"
2.58"

Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP

Q-NFC

Read and write DMX addresses and adjust voltage