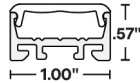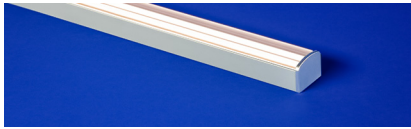# OPTI-OPTICS (O2) STATIC COLOR
24VDC Linear Fixtures - Surface & Recessed

- 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
- Q-Tran Red & Amber LED products are Florida Fish and Wildlife Conservation Commission certified, making them safe for turtles and other wildlife

.57" 1.00"

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
OP2SC	5.0		DRY										

Sample Part Number: **OP2SC-5.0-GR-DRY-155D-P1-CON6-CON6-WH-CL2-CC-WH-48"-E**

1 PRODUCT

OP2SC

See following pages for compatible power supplies.

2 WATTS/FT

5.0   5.0W/ft

3 CCT

AB	Amber
BL	Blue
GR	Green
RD	Red

4 RATED

DRY   IP20

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

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

S1	Single 1 (Input only) - End Feed
S2	Single 2 (Input only) - Bottom Feed

For continuous mounting, consider bottom feed.

P1	Pass Through 1 (Input/output) - End Feed
P2	Pass Through 2 (Input/output) - Bottom Feed

For continuous mounting, consider bottom feed.

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.

P1A	Pass Through 1 (Input/output) - End Feed
P1B	Pass Through 1 (Input/output) - End Feed
P2A	Pass Through 2 (Input/output) - Bottom Feed
P2B	Pass Through 2 (Input/output) - Bottom Feed

For continuous mounting, consider bottom feed.

7 CONNECTOR/WIRE IN

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

Connector/Wire In not needed to specify product. Typical selection is BW.
BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

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

Connector/Wire In not needed to specify product. Typical selection is BW.
BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

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

Connector/Wire In not needed to specify product. Typical selection is BW.
BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

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

Connector/Wire In not needed to specify product. Typical selection is BW.
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"

Connector/Wire Out not needed to specify product. Typical selection is CLS or BW.
BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

CLS	Closed End (No feed)

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

Connector/Wire Out not needed to specify product. Typical selection is CLS or BW.
BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

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
MG	Magnet

12 FINISH

ST	Satin
BK	Black
WH	White
CU	Custom

13 LENGTH (IN)

Fixture length min 12", max 98.43" not including end caps. Tolerance +0 – 1/8". Consult factory for lengths under 12".

14 EXACT/OPTIMAL

O	Optimal Illumination
E	Exact Specified Length

Exact fixtures are the exact length specified +0 – 1/8".
Optimal fixtures' length is rounded down with illumination end to end.
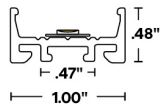See Exact/Optimal Fixture Length charts.

1 PRODUCT - DIMENSIONS

Profile
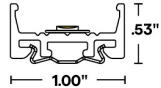
Profile with
concealed clip
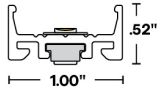
Profile with magnet clip
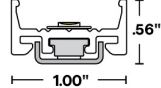
Profile with magnet mount
clip and magnet mount
accessory
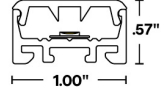
Profile with 40D lens
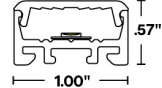
Profile with 60D lens
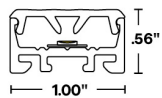
Profile with 70D lens
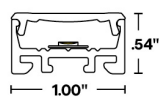
Profile with 90D lens
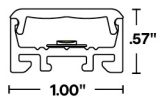
Profile with 110D lens
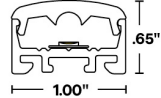
Profile with 155D lens
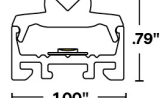
Profile with 180D lens
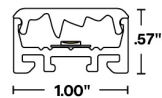
Profile with asymmetric lens
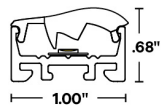
Profile with
forward throw lens

2 DELIVERED LUMENS

[Calculated L70 = 50000 hrs]
Tested with OP2SC-5.0-**-DRY-STD

	Red		Green		Blue		Amber	
	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength
40D	114	634	473	516	121	465	84	596
60D	100	635	431	515	102	466	80	595
70D	105	635	447	516	108	466	81	595
90D	103	635	443	516	105	466	80	595
110D	105	634	438	516	111	466	79	596
155D	108	634	437	516	112	466	79	595
180D	103	635	433	516	111	465	80	595
ASYM	104	635	445	516	106	466	81	595
FT	112	631	390	516	97	465	75	596

# OPTI-OPTICS (02) STATIC COLOR
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
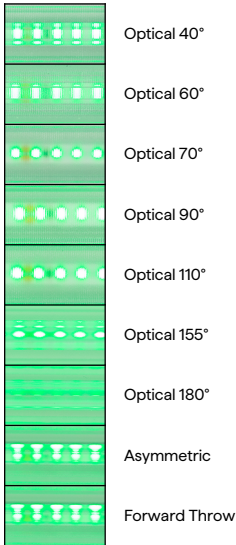
TEMPERATURE RATINGS

		5.0 W/FT	
		Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	125°F

PHOTOMETRIC PERFORMANCE

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

5W/ft	Green	Optical 40°	5W/ft	Green	Optical 60°	5W/ft	Green	Optical 70°	5W/ft	Green	Optical 90°

40°
51.9°

60°
67.6°

70°
87.4°

90°
94.1°

5W/ft | Green Optical 110°

110°
114.8°

5W/ft | Green Optical 155°

155°
157.4°

5W/ft | Green Optical 180°

180°
178.1°

5W/ft | Green Asymmetric

25° 46°
59.5°

5W/ft | Green Forward Throw

41° 70°
75.8°
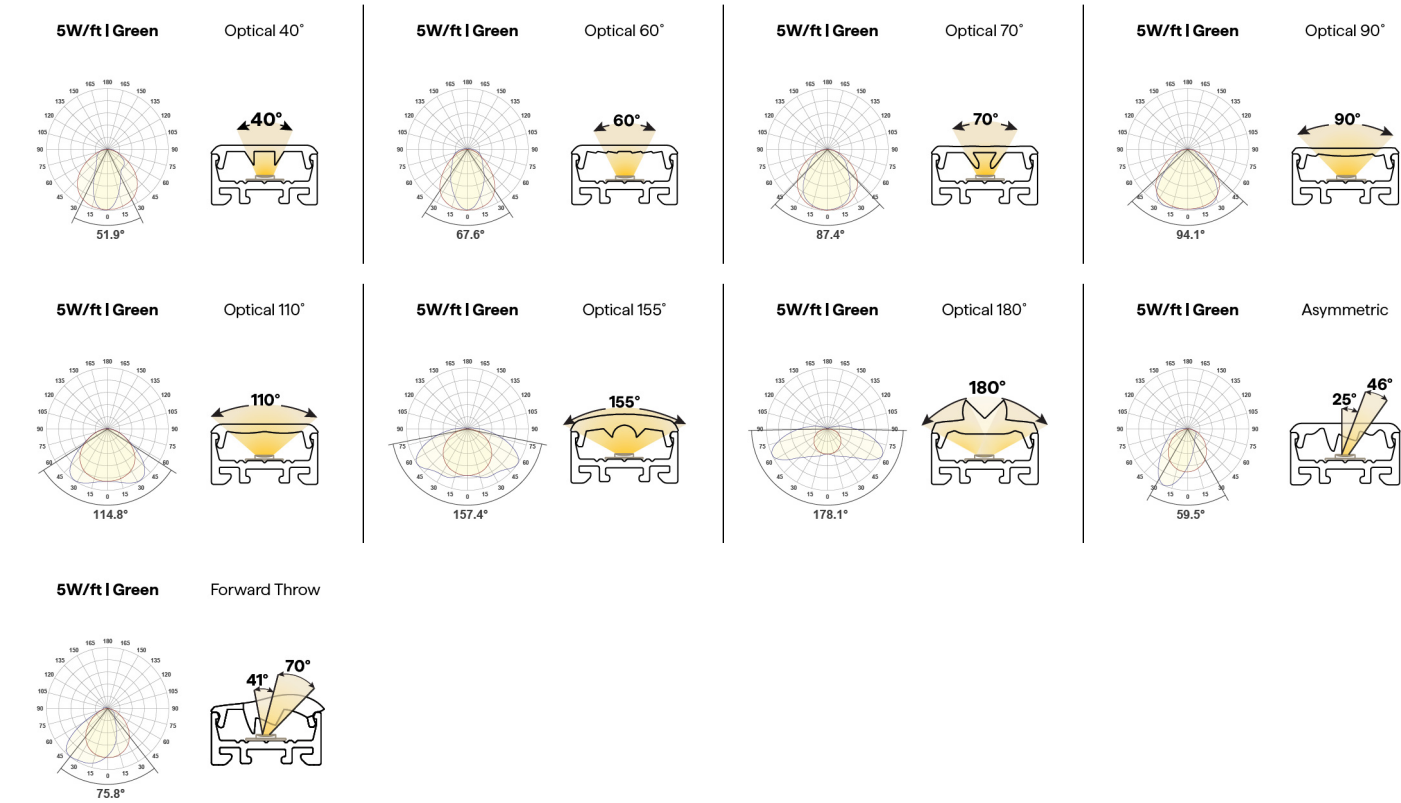
6 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1	S2
End Feed	Bottom Feed
IN	IN

PASS THROUGH (Input/Output)
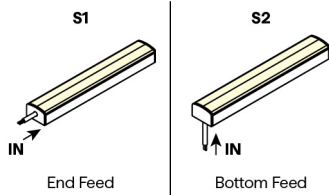
P1	P2
End Feed	Bottom Feed
IN / OUT	IN / OUT
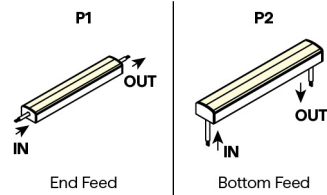
ASYMMETRIC ONLY SINGLE (Input only)

S1A	S1B	S2A	S2B
End Feed	End Feed	Bottom Feed	Bottom Feed
IN	IN	IN	IN
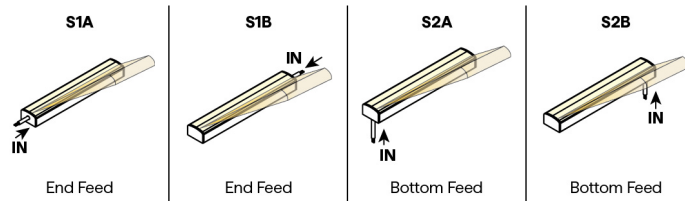
ASYMMETRIC ONLY PASS THROUGH (Input/Output)

P1A	P1B	P2A	P2B
End Feed	End Feed	Bottom Feed	Bottom Feed
IN / OUT	IN / OUT	IN / OUT	IN / OUT

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 — .16" width of end cap — Continuous Bottom Feed
S1 / S1 — .16" width of end cap — Single End Feed	.08" width of end cap / .08" width of end cap — S1A — Single End Feed	.08" width of end cap / .08" width of end cap — S1B — 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	.16" width of end caps — S2A / P2A — Continuous Bottom Feed
.16" width of end caps — P2B / S2B — Continuous Bottom Feed	.16" width of end caps — S1B / S1A — Single End Feed		

7 / 8 CONNECTOR/WIRE – IN/OUT

BW

.15"

Bare Wire 36"
22 AWG

CON6/CON24

1.63"
.38"

1.34"
.39"

6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

9 WIRE COLOR

White

Black
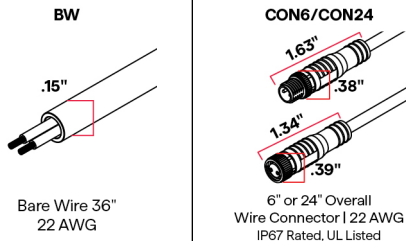
11 MOUNTING

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

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

MG

.15"
3.13"
.35"

Magnet Clip

One MG provided per foot

To order separately use
MG-02

MMA-02

1.86"
.64"
12"
.58"

Magnet Mount
Accessory for MG-02

Sold separately, to order use
MMA-02

Each bracket comes with 2 #6
x 5/8" Flat Head SS

Required when mounting to a
non-magnetic surface

12 FINISH

Satin

Black

White

Custom color available

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
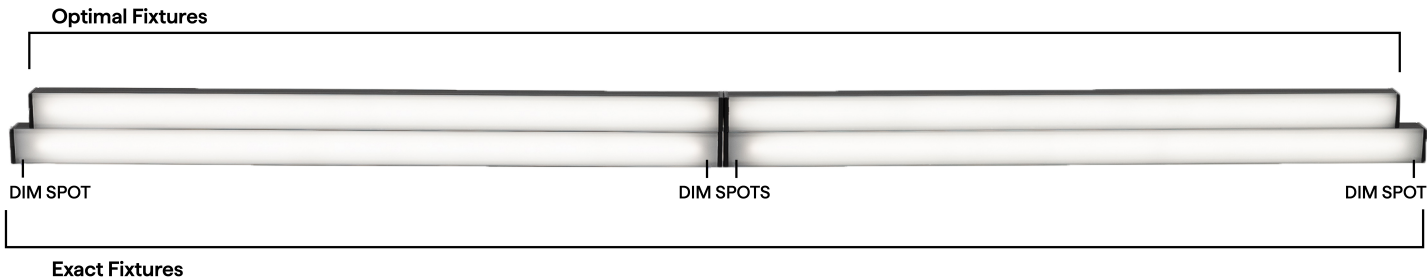
Exact Fixtures

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

SC DRY LENGTHS BY INCH

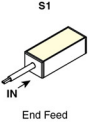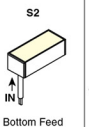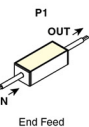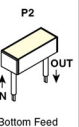Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 – 1/8". Consult factory for lengths under 12".

EXACT LENGTH

Requested Length	Potential dim spot on either end of fixture
12"	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: 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"	10.5"		10.75"	
13"	12.5"		12.75"	
14"	12.5"		12.75"	
15"	14.5"		14.75"	
16"	14.5"		14.75"	
17"	16.5"		16.75"	
18"	16.5"		16.75"	
19"	18.5"		18.75"	
20"	18.5"		18.75"	
21"	20.5"		20.75"	
22"	20.5"		20.75"	
23"	22.5"		22.75"	
24"	22.5"		22.75"	
36"	34.5"		34.75"	
48"	46.5"		46.75"	
60"	58.5"		58.75"	
72"	70.5"		70.75"	
84"	82.5"		82.75"	
96"	94.5"		94.75"	

COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR
	SC
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH iQ-PH+QD1
0.1%	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP
1%	QTM-eLED(E) QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle

DIMMING PROTOCOL	INDOOR
	SC
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH iQ-PH+QD1
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP
Lutron Athena	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN
ECO System	QTM-eLED(E)
DMX	QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle

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" Adjustable mounting bracket - Medium	1.46" / 1.29" Adjustable mounting bracket - Large	4" / 1.46" Adjustable mounting bracket - XLarge	.75" / 1.03" Small mounting accessory	2.23" / 1.38" 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-J	Q-mini-J5	CON120-EXT	CON FOUR-FER	CON M - BARREL F
2" 1.25"	2.80" 2.27"			
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	10ft Con cable extender DRY/DMP/WET	Splits lead from one to four LED Con connectors DRY/DMP/WET	Male con to barrel cable adaptor DRY/DMP

COMPATIBLE APPS

NFC APP

Q-NFC

Read and write DMX addresses and adjust voltage