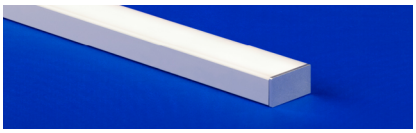
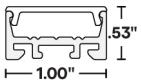
OPTI-FLAT (01) STATIC COLOR

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

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 LENS
OP1SC	5.0			

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

Sample Part Number: **OP1SC-5.0-GR-DRY-DF-P1-CON6-CON6-WH-CL2-CC-WH-48"-E**

1 PRODUCT

OP1SC

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
DMP	IP54
WET	IP67

Can be suitable for exterior use, contact factory for more information

5 LENS

DF	Diffused
PR	Polar
FR	Frosted

6 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1	End Feed
S2	Bottom Feed

PASS THROUGH (Input/Output)

P1	End Feed
P2	Bottom Feed

For continuous mounting, consider bottom feed.

7 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)

8 CONNECTOR/WIRE OUT

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)

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

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 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.

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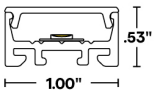
Specification subject to change. Rev-11-11-26

5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Florida Fish and Wildlife Conservation Commission (FWC) rated Strips: DRY rated, Red and Amber

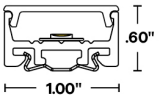
OPTI-FLAT (01) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

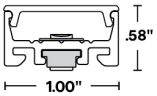
1 PRODUCT - DIMENSIONS



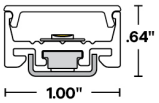
Profile



Profile with concealed clip



Profile with magnet clip



Profile with magnet mount clip and magnet mount accessory

2 DELIVERED LUMENS

[Calculated L70 = 50000 hrs]
Tested with OP1SC-5.0-**-DRY

	Red		Green		Blue		Amber	
	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength
FR	114	632	386	516	98	466	81	595
PR	107	632	367	517	93	466	75	595
DF	95	632	326	517	83	466	65	595

5 DIODE VISIBILITY



DF - Diffused lens

PR - Polar lens

FR - Frosted lens

TEMPERATURE RATINGS

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

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Specification subject to change. Rev-11-11-26

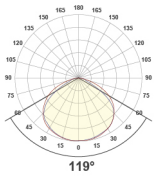
OPTI-FLAT (01) STATIC COLOR

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.

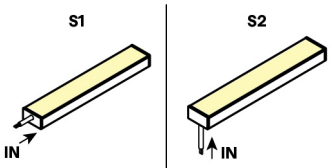
5W/ft | Green Frosted Lens



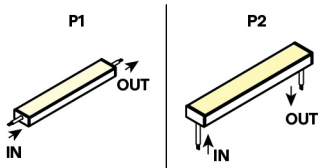


6 WIRE INPUT/OUTPUT

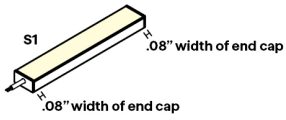
SINGLE (Input only)



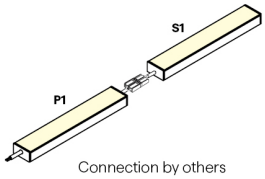
PASS THROUGH (Input/Output)



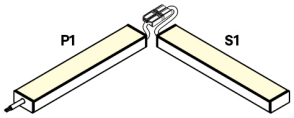
CONFIGURATION OPTIONS



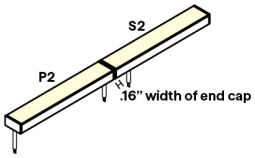
Single End Feed



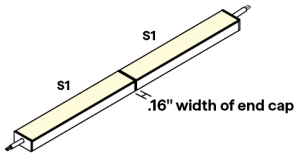
Non-Continuous End Feed



Non-Continuous Corner Feed



Continuous Bottom Feed



Single End Feed

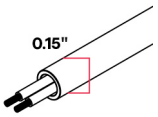
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OPTI-FLAT (01) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

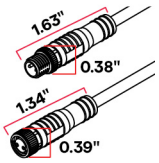
7/8 CONNECTOR/WIRE – IN/OUT

BW



Bare Wire 36"
22 AWG

CON6/CON24



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

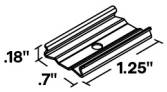
9 WIRE COLOR

White

Black

11 MOUNTING

CC
(CC-01)



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.

MG

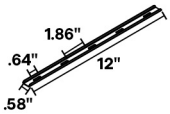


Magnet Clip

One MG provided per foot

To order separately use MG-02

MMA-02



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

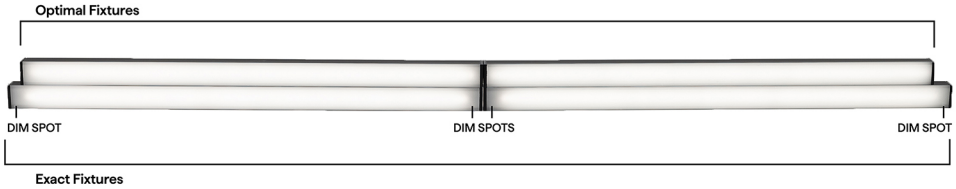
Black

White

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

14 EXACT/OPTIMAL FIXTURE LENGTH

Exact fixtures are the exact length specified +0 -1/8". 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.



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Specification subject to change. Rev-11-11-26

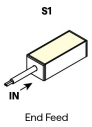
OPTI-FLAT (01) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

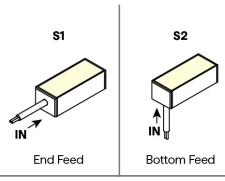
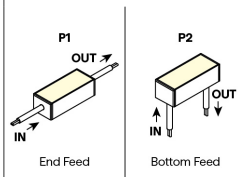
SC DRY DMP LENGTHS BY INCH

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"

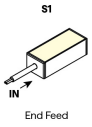
OPTIMAL LENGTH

Requested Nominal Length	S1 & S2 	P1 & P2 
12"	10.41"	10.66"
13"	12.41"	12.66"
14"	12.41"	12.66"
15"	14.41"	14.66"
16"	14.41"	14.66"
17"	16.41"	16.66"
18"	16.41"	16.66"
19"	18.41"	18.66"
20"	18.41"	18.66"
21"	20.41"	20.66"
22"	20.41"	20.66"
23"	22.41"	22.66"
24"	22.41"	22.66"
36"	34.41"	34.66"
48"	46.41"	46.66"
60"	58.41"	58.66"
72"	70.41"	70.66"
84"	82.41"	82.66"
96"	94.41"	94.66"

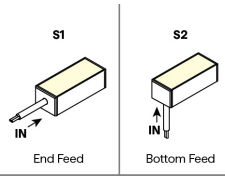
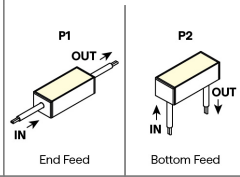
SC WET LENGTHS BY INCH

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 
12"	10.61"	10.76"
13"	12.61"	12.76"
14"	12.61"	12.76"
15"	14.61"	14.76"
16"	14.61"	14.76"
17"	16.61"	16.76"
18"	16.61"	16.76"
19"	18.61"	18.76"
20"	18.61"	18.76"
21"	20.61"	20.76"
22"	20.61"	20.76"
23"	22.61"	22.76"
24"	22.61"	22.76"
36"	34.61"	34.76"
48"	46.61"	46.76"
60"	58.61"	58.76"
72"	70.61"	70.76"
84"	82.61"	82.76"
96"	94.61"	94.76"

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OPTI-FLAT (01) STATIC COLOR

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
	SC	SC
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1	QOM-DC+CAP QOM-PH
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-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DMX Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT6-PS QZ-DMX QZ-PRO-PH/0-10V
1%	Q-DIM QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	

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OPTI-FLAT (01) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

DIMMING PROTOCOL	INDOOR	OUTDOOR
	SC	SC
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1	Q-SET-QZ-PH/0-10V QOM-DC+CAP QOM-PH QZ-PRO-PH/0-10V
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-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PRO-PH/0-10V
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	Q-SET-QZ-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	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	

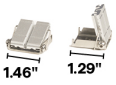
COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M



Adjustable mounting bracket - Medium

HINGE - HMB-L



Adjustable mounting bracket - Large

HINGE - HMB-XL



Adjustable mounting bracket - XLarge

Q-PIVOT



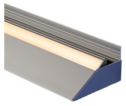
Small mounting accessory

Q-ANGLE



Adjustable mounting accessory

QUOVA-STANDARD



QUOVA Knife Edge

NJ-LARGE



J Mounting Bracket

NU-LARGE



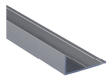
U Mounting Bracket

SD-J-LARGE



J Mounting Bracket

BL-LARGE



Backwards L Mounting Bracket

NL-LARGE



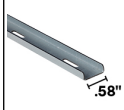
L Mounting Bracket

SD-L-LARGE



L Mounting Bracket

MMA-02



Magnet Mount Accessory of MG-02

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OPTI-FLAT (01) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

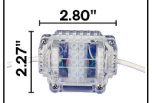
COMPATIBLE WIRING ACCESSORIES

Q-mini-J



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

Q-mini-J5



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

CON120-EXT



10ft Con cable extender
DRY/DMP/WET

CON FOUR-FER



Splits lead from one to four LED Con connectors
DRY/DMP/WET

CON M - BARREL F



Male con to barrel cable adaptor
DRY/DMP

COMPATIBLE APPS

NFC APP



Read and write DMX addresses and adjust voltage

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