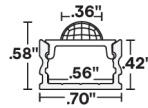
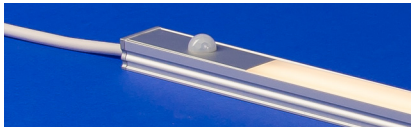




# ESSENTIALS LALO-FLAT- OCCUPANCY (01) SC

24VDC Linear Fixtures - Surface & Recessed



- Shallow, low-profile fixture for surface or recessed installations
- Choose from diffused, polar, frosted, or clear lens options for varying diode visibility and beam angles
- Flanged design merges light source with surface
- Built-in occupancy sensor
- Detects movement up to 10' away and switches off after no movement is detected for 30 seconds
- Mounting options include stainless steel clips, magnets, and low-profile magnet mounts
- Features painted end caps to match extrusion finish
- Red, Green, Blue or Amber LEDs available
- Q-Tran Red & Amber LED products are Florida Fish and Wildlife Conservation Commission certified, making them safe for turtles and other wildlife

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PRODUCT	WATTS/ FT	CCT	RATED	EFFICIENCY	LENS	WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL
LL1SC-OC	5.0		DRY	STD										

Sample Part Number: **LL1SC-OC-5.0-GR-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

1

PRODUCT

LL1SC-OC

See following pages for compatible power supplies.

2

WATTS/FT

5.0

5.0W/ft

3

CCT

A

Amber

B

Blue

G

Green

R

Red

4

RATED

DRY

IP20

5

EFFICIENCY

STD

Standard

6

LENS

DF

Diffused

PR

Polar

FR

Frosted

CL

Clear

For representation of LED visibility, see Diode Visibility section on following pages.

For beam angles, see Photometric Performance section on following pages

7

WIRE INPUT/OUTPUT

S1

Single 1 (Input only) - End Feed

S2

Single 2 (Input only) - Bottom Feed

P1

Pass Through 1 (Input/output) - End Feed

P2

Pass Through 2 (Input/output) - Bottom Feed

8

CONNECTOR/WIRE IN

BW

Bare Wire (Standard 24")

BRL

Barrel

CON6

Connector 6"

CON24

Connector 24"

9

CONNECTOR/WIRE OUT

CLS

Closed End (No feed)

BW

Bare Wire (Standard 24")

BRL

Barrel

CON6

Connector 6"

CON24

Connector 24"

10

WIRE COLOR

WH

White

BK

Black

N/A

For Barrel

wet barrel only available in black

For continuous mounting, consider bottom feed.

BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

11

WIRE TYPE

CL2

Class 2

CL2P

Plenum Rated

N/A

For Barrel

CL2P only available with bare wire leads (BW)

12

MOUNTING

SST

Stainless Steel

M4

Low Profile Magnet

MG

Magnet

13

FINISH

ST

Satin

BK

Black

CU

Custom

Custom finishes require a longer lead time, consult factory

14

LENGTH (IN)

Minimum length is 12". maximum length is 98" not including end caps. Contact us for lengths under 12".

15

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. See Exact/Optimal Fixture Length charts.

For continuous mounting, consider bottom feed.

BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

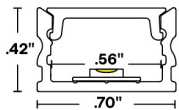
BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)



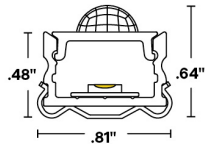
# ESSENTIALS LALO-FLAT-OCCUPANCY (01) SC

24VDC Linear Fixtures - Surface & Recessed

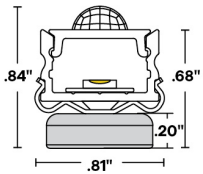
## 1 PRODUCT - DIMENSIONS



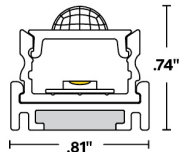
Profile with flat lens



Profile with flat lens, occupancy sensor and stainless steel mounting clip



Profile with flat lens, occupancy sensor, and magnet mounting clip



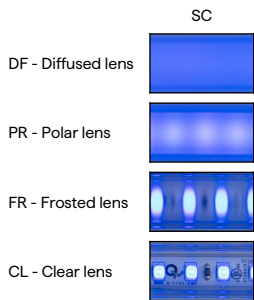
Profile with flat lens, occupancy sensor, and low profile magnet

## 2 DELIVERED LUMENS

[Calculated L70 = 30000 hrs]  
Tested with LL1SC-5.0-\*\*-DRY-STD

	Red		Green		Blue		Amber	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH
CL	82	633	444	517	115	466	74	597
FR	82	633	443	517	115	466	74	597
PR	74	633	399	517	103	466	67	597
DF	66	633	358	517	93	466	60	597

## 6 DIODE VISIBILITY



## PHOTOMETRIC PERFORMANCE

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



Clear 78°



# ESSENTIALS LALO-FLAT-OCCUPANCY (01) SC

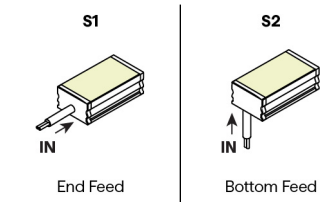
24VDC Linear Fixtures - Surface & Recessed

## TEMPERATURE RATINGS

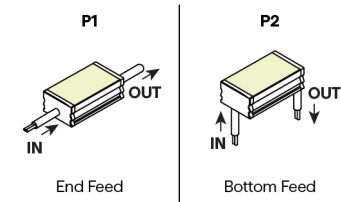
	5.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-4°F	115°F
Storage Temp	-4°F	140°F
Install Temp	50°F	100°F

## 7 WIRE INPUT/OUTPUT

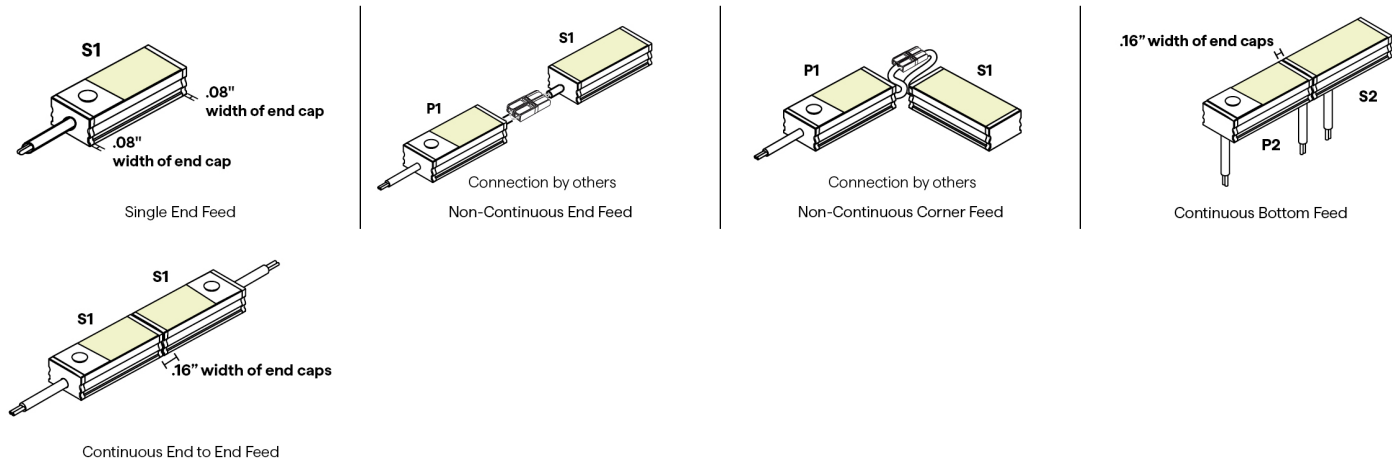
SINGLE (Input only)



PASS THROUGH (Input/Output)

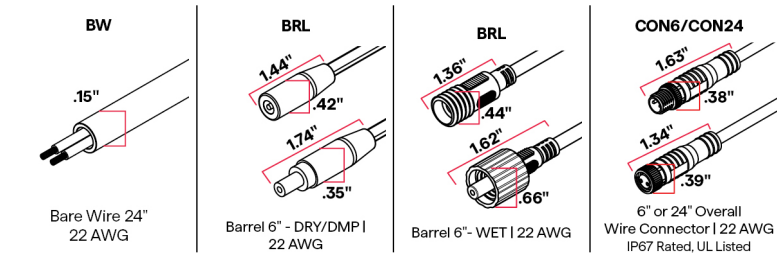


## CONFIGURATION OPTIONS



## 8 / 9 CONNECTOR/WIRE - IN/OUT

Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



## 10 WIRE COLOR



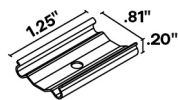


# ESSENTIALS LALO-FLAT-OCCUPANCY (01) SC

24VDC Linear Fixtures - Surface & Recessed

## 12 MOUNTING

SST



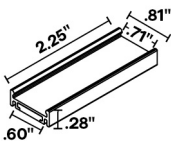
Stainless Steel Clip

2 clips provided for 4' or less; 4 clips provided for greater than 4'

To order separately use SST-01

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

M4

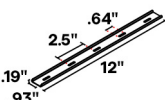


Low Profile Magnet

One M4 provided per foot.

To order separately use MG-04

MMA-04



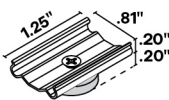
Magnet Mount Accessory for M4

Sold separately, to order use MMA-04

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

Required when mounting to a non-magnetic surface

MG

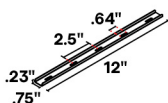


Magnet Clip

One MG provided per foot

To order separately use MG-01

MMA-01



Magnet Mount Accessory of MG-01

Sold separately, to order use MMA-01

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

Required when mounting to a non-magnetic surface

## 13 FINISH



Satin

Black

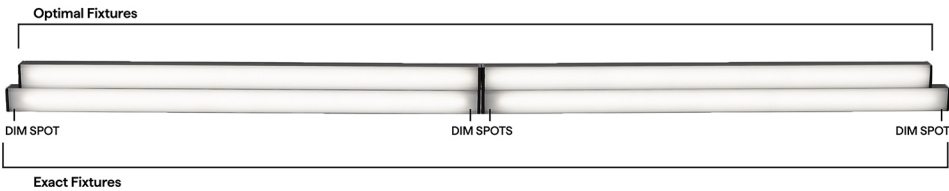
Custom finishes require a longer lead time, consult factory

## 14 EXACT/OPTIMAL FIXTURE LENGTH

[E/O Length Calculator →](#)

[E/O Explained →](#)

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.



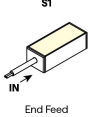


# ESSENTIALS LALO-FLAT-OCCUPANCY (01) SC

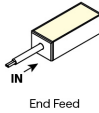
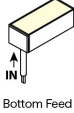
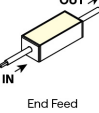
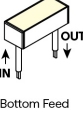
24VDC Linear Fixtures - Surface & Recessed

## SC DRY LENGTHS BY INCH

### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
	S1
	
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


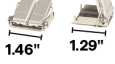



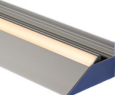



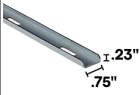
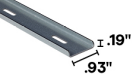
Requested Nominal Length	S1 & S2		P1 & P2	
	<div>S1</div>  <div>End Feed</div>	<div>S2</div>  <div>Bottom Feed</div>	<div>P1</div>  <div>End Feed</div>	<div>P2</div>  <div>Bottom Feed</div>
12"		10.41"		10.66"
13"		12.41"		12.66"
14"		12.41"		12.66"
15"		14.41"		14.66"
16"		14.41"		14.66"
17"		16.41"		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"

## COMPATIBLE POWER SUPPLIES

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

DIMMING PROTOCOL	INDOOR
	SC
Non-Dim	QTM-eLED-ND QZ-ND

## COMPATIBLE MOUNTING ACCESSORIES


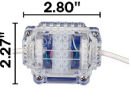





<b>HINGE - HMB-M</b>  1.41" 0.71" Adjustable mounting bracket - Medium	<b>HINGE - HMB-L</b>  1.46" 1.29" Adjustable mounting bracket - Large	<b>HINGE - HMB-XL</b>  1.46" 4" Adjustable mounting bracket - XLarge	<b>Q-PIVOT</b>  0.75" 1.03" Small mounting accessory	<b>Q-ANGLE</b>  2.23" 1.38" Adjustable mounting accessory	<b>QUOVA-STANDARD</b>  QUOVA Knife Edge	<b>VHB</b>  Double sided mounting tape	<b>NJ-MEDIUM</b>  J Mounting Bracket	<b>SD-L-MEDIUM</b>  L Mounting Bracket	<b>MMA-01</b>  1.23" 0.75" Magnet Mount Accessory of MG-01
<b>MMA-04</b>  1.19" 0.93" Magnet Mount Accessory of MG-04									



# ESSENTIALS LALO-FLAT-OCCUPANCY (01) SC

24VDC Linear Fixtures - Surface & Recessed

## COMPATIBLE WIRING ACCESSORIES

Q-mini-J	Q-mini-J5	BARREL-EXT	BARREL FOUR-FER	CON120-EXT	CON FOUR-FER	CON M - BARREL F
						
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	8ft barrel cable extender DRY ONLY	Splits lead from one to four LED Barrel connector fixtures, DRY/DMP	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

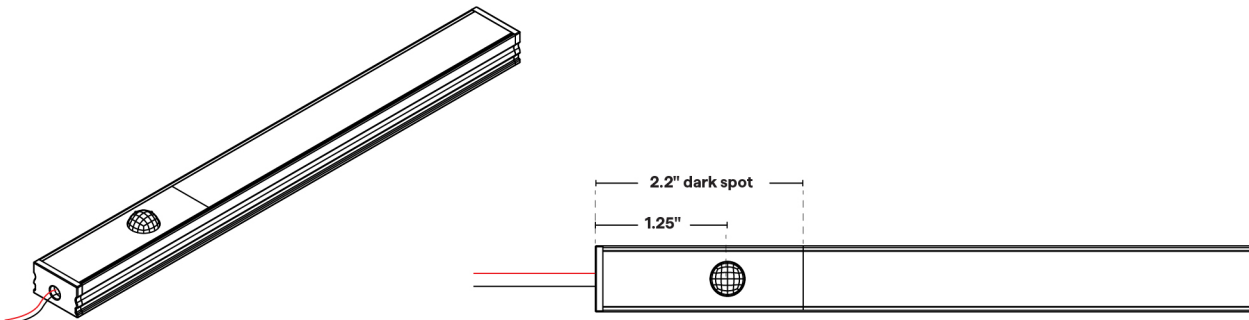
## COMPATIBLE APPS

### NFC APP



Read and write DMX addresses and adjust voltage

## OCCUPANCY SENSOR (OC)



- Motion based on/off functionality
- 30 sec. on/off time without motion
- 24VDC
- 3A max / 72W
- Use with non-dimming driver
- Detection Range: up to 10'

## COVERAGE AREA

