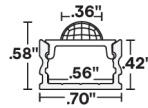
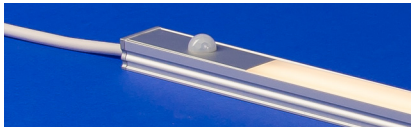




# ESSENTIALS LALO-FLAT- OCCUPANCY (01) SC

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

## INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1	2	3	4	5	6
PRODUCT	WATTS/ FT	CCT	RATED	EFFICIENCY	LENS
LL1SC-OC	5.0		DRY	STD	

## ADDITIONAL INFORMATION REQUIRED TO ORDER

7	8	9	10	11	12	13	14	15
WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL

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

<b>1 PRODUCT</b> LL1SC-OC See following pages for compatible power supplies.	<b>2 WATTS/FT</b> 5.0 5.0W/ft	<b>3 CCT</b> A Amber B Blue G Green R Red	<b>4 RATED</b> DRY IP20	<b>5 EFFICIENCY</b> STD Standard	<b>6 LENS</b> 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			
<b>7 WIRE INPUT/OUTPUT</b> <b>SINGLE (Input only)</b> S1 End Feed S2 Bottom Feed  <b>PASS THROUGH (Input/output)</b> P1 End Feed P2 Bottom Feed	<b>8 CONNECTOR/WIRE IN</b> BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24"  BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24"	<b>9 CONNECTOR/WIRE OUT</b> CLS Closed End (No feed)  BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24"	<b>10 WIRE COLOR</b> WH White BK Black N/A For Barrel  wet barrel only available in black	<b>11 WIRE TYPE</b> CL2 Class 2 CL2P Plenum Rated N/A For Barrel  CL2P only available with bare wire leads (BW)	<b>12 MOUNTING</b> SST Stainless Steel M4 Low Profile Magnet MG Magnet	<b>13 FINISH</b> ST Satin BK Black CU Custom  Custom finishes require a longer lead time, consult factory	<b>14 LENGTH (IN)</b> Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	<b>15 EXACT/OPTIMAL</b> 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)

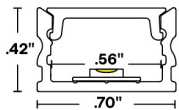
BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)



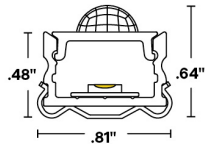
# ESSENTIALS LALO-FLAT-OCCUPANCY (01) SC

24VDC Linear Fixtures - Surface & Recessed

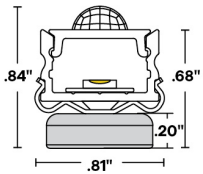
## 1 PRODUCT - DIMENSIONS



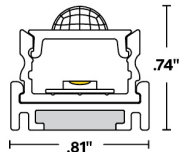
Profile with flat lens



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



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



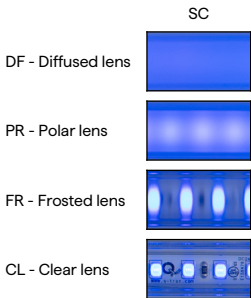
Profile with flat lens, occupancy sensor, and low profile magnet

## 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

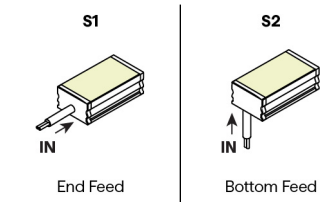
24VDC Linear Fixtures - Surface & Recessed

## TEMPERATURE RATINGS

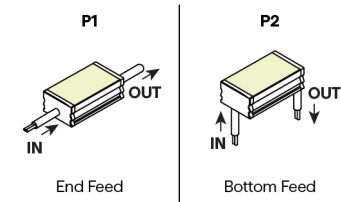
	5.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-4°F	115°F
Storage Temp	-4°F	140°F
Install Temp	50°F	100°F

## 7 WIRE INPUT/OUTPUT

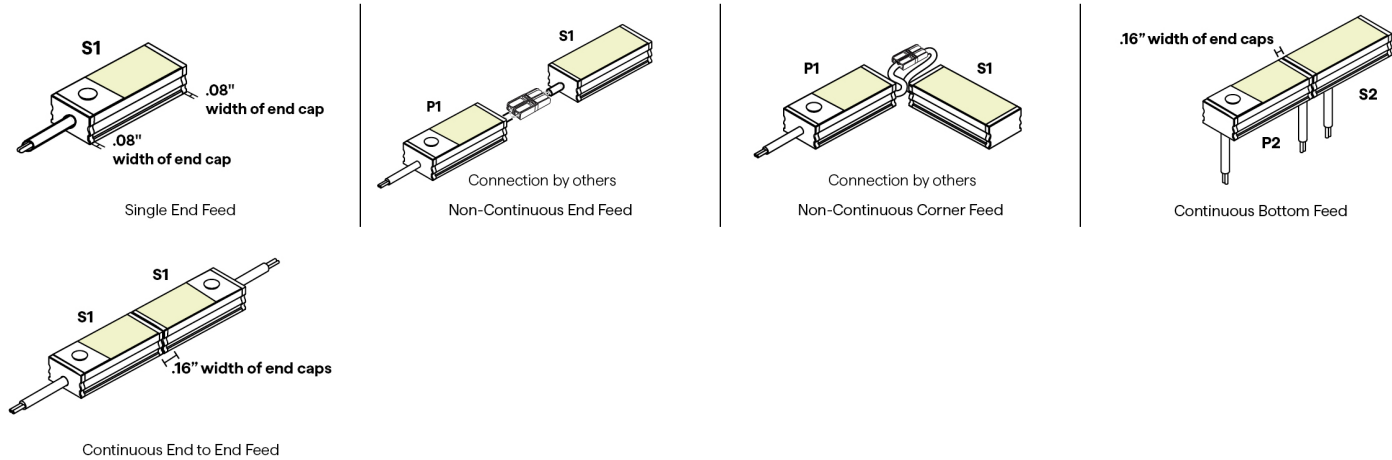
SINGLE (Input only)



PASS THROUGH (Input/Output)

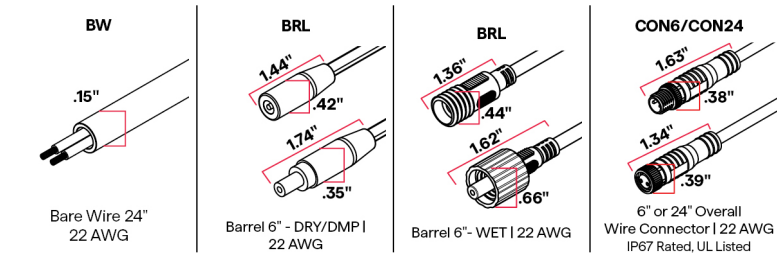


## CONFIGURATION OPTIONS



## 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



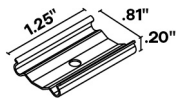


# ESSENTIALS LALO-FLAT-OCCUPANCY (01) SC

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

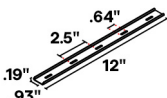


Low Profile Magnet

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

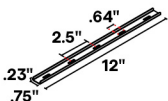


Magnet Clip

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

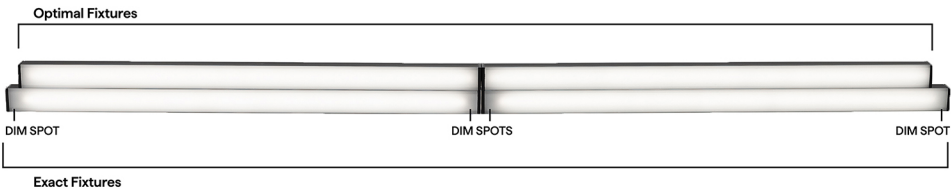
Custom finishes require a longer lead time, consult factory

## 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


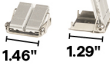



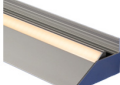



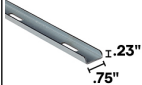
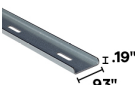
Requested Nominal Length	S1 & S2		P1 & P2	
	 S1 End Feed	 S2 Bottom Feed	 P1 End Feed	 P2 Bottom Feed
12"	10.41"		10.66"	
13"	12.41"		12.66"	
14"	12.41"		12.66"	
15"	14.41"		14.66"	
16"	14.41"		14.66"	
17"	16.41"		16.66"	
18"	16.41"		16.66"	
19"	18.41"		18.66"	
20"	18.41"		18.66"	
21"	20.41"		20.66"	
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


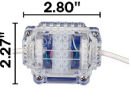





HINGE - HMB-M	HINGE - HMB-L	HINGE - HMB-XL	Q-PIVOT	Q-ANGLE	QUOVA-STANDARD	VHB	NJ-MEDIUM	SD-L-MEDIUM	MMA-01
 1.41" 0.71"	 1.46" 1.29"	 1.46" 4"	 0.75" 1.03"	 2.23" 1.38"					 1.23" 0.75"
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small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

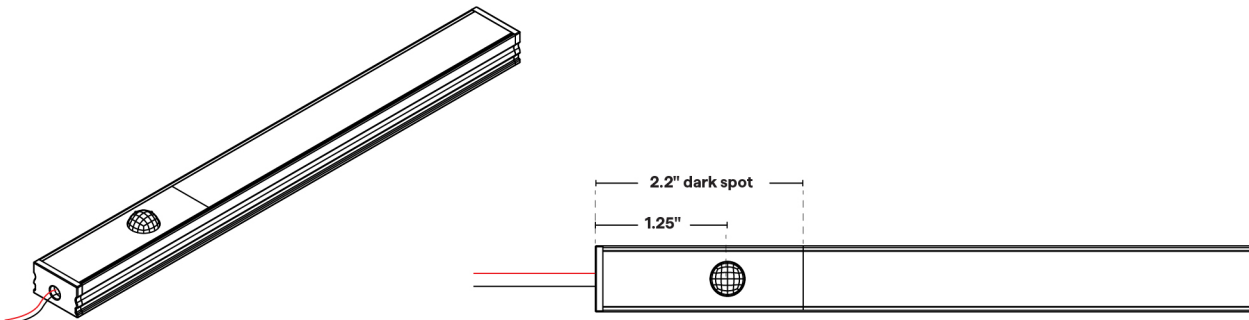
## COMPATIBLE APPS

### 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

