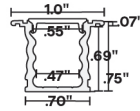
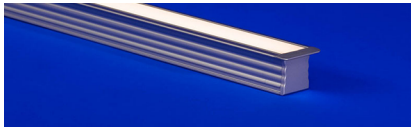




# ESSENTIALS FLUR™-FLAT (01)

## SW-IA

24VDC Linear Fixtures - Recessed



- Deep flanged recessed fixture
- Choose from diffused, polar, frosted, clear 45°, clear 60°, or clear 80° lens options for varying diode visibility and beam angles
- Offered with an optional mounting tray
- Stainless steel mounting clips
- Features painted end caps to match extrusion finish
- Utilize DMX and SPI protocols to control nominal 1" segments of specifiable white LEDs

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
FL1IA	5.0		DRY								SST			

Sample Part Number: FL1IA-5.0-30-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E

1

PRODUCT

FL1A

See following pages for compatible power supplies.

2

WATTS/FT

3

CCT

4

RATED

5

EFFICIENCY

6

LENS

7

WIRE INPUT/OUTPUT

S1Single 1 (Input only) - End Feed

S2Single 2 (Input only) - Bottom Feed

For continuous mounting, consider bottom feed.

P1Pass Through 1 (Input/output) - End Feed

P2Pass Through 2 (Input/output) - Bottom Feed

For continuous mounting, consider bottom feed.

8

CONNECTOR/WIRE IN

BWBare Wire (Standard 24")

CON6Connector 6"

CON24Connector 24"

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

BWBare Wire (Standard 24")

CON6Connector 6"

CON24Connector 24"

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

9

CONNECTOR/WIRE OUT

CLSClosed End (No feed)

BWBare Wire (Standard 24")

CON6Connector 6"

CON24Connector 24"

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

10

WIRE COLOR

WHWhite

BKBlack

11

WIRE TYPE

CL2Class 2

CL2PPlenum Rated

CL2P only available with bare wire leads (BW)

12

MOUNTING

SSTStainless Steel

13

FINISH

STSatin

BKBlack

CUCustom

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

OOptimal Illumination

EExact 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.

1

PRODUCT

FL1A

See following pages for compatible power supplies.

2

WATTS/FT

5.05.0W/ft

3

CCT

272700K

303000K

353500K

404000K

4

RATED

DRYIP20

5

EFFICIENCY

STDStandard

WOWhite Optics

WhiteOptics - Internal coating, greater lumen output

6

LENS

DFDiffused

PRPolar

FRFrosted

CL/45Clear 45°

CL/60Clear 60°

CL/80Clear 80°

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

S1Single 1 (Input only) - End Feed

S2Single 2 (Input only) - Bottom Feed

For continuous mounting, consider bottom feed.

P1Pass Through 1 (Input/output) - End Feed

P2Pass Through 2 (Input/output) - Bottom Feed

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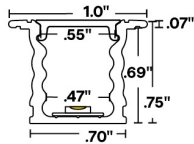
5 year warranty | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Compatible for use with QTL power supplies | Patent # D798,471 S



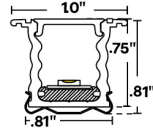
# ESSENTIALS FLUR™-FLAT (01) SW-IA

24VDC Linear Fixtures - Recessed

## 1 PRODUCT - DIMENSIONS



Profile



Profile with stainless steel mounting clip and mounting tray

## 6 DIODE VISIBILITY



DF - Diffused lens

PR - Polar lens

FR - Frosted lens

CL - Clear lens

## PHOTOMETRIC PERFORMANCE

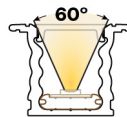
Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.

CL/45



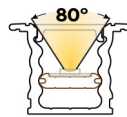
Clear 45°

CL/60



Clear 60°

CL/80

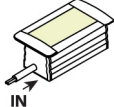


Clear 80°

## 7 WIRE INPUT/OUTPUT

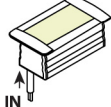
SINGLE (Input only)

S1



End Feed

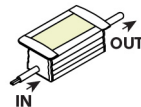
S2



Bottom Feed

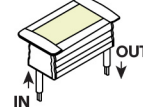
PASS THROUGH (Input/Output)

P1



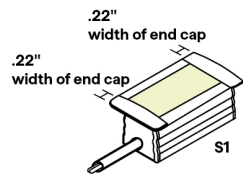
End Feed

P2

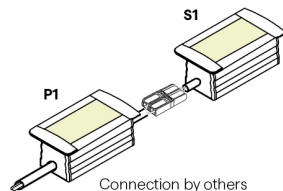


Bottom Feed

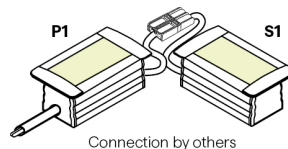
## CONFIGURATION OPTIONS



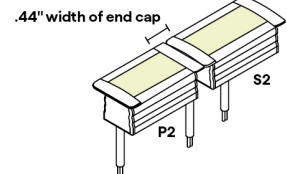
Single End Feed



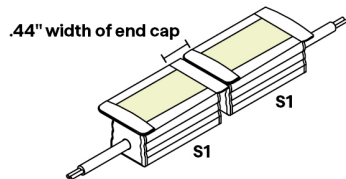
Connection by others  
Non-Continuous End Feed



Connection by others  
Non-Continuous Corner Feed



Continuous Bottom Feed



Continuous End to End Feed

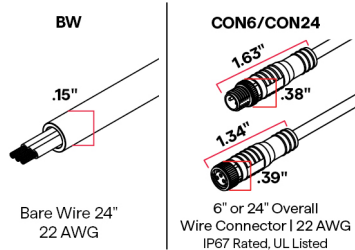


# ESSENTIALS FLUR™-FLAT (01) SW-IA

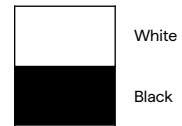
24VDC Linear Fixtures - Recessed

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

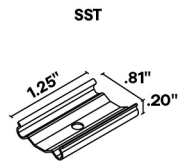
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



## 10 WIRE COLOR



## 12 MOUNTING



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

## 13 FINISH



Custom finishes require a longer lead time, consult factory

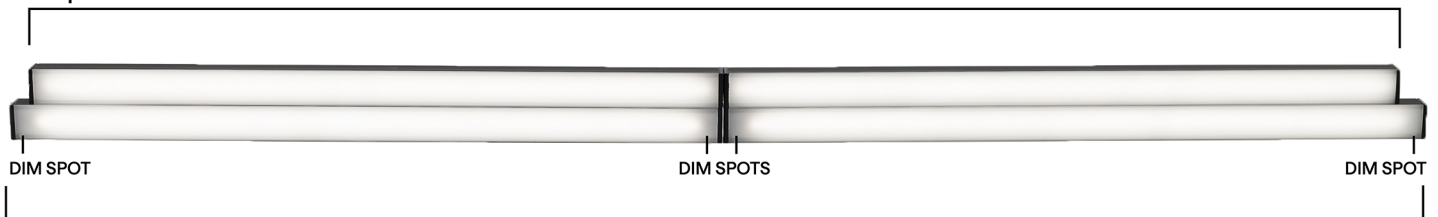
## 15 EXACT/OPTIMAL FIXTURE LENGTH

[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.

### Optimal Fixtures



### Exact Fixtures



# ESSENTIALS FLUR™-FLAT (01) SW-IA

24VDC Linear Fixtures - Recessed

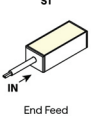
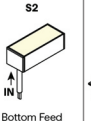
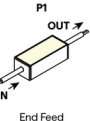
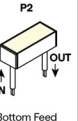
## SW-IA DRY LENGTHS BY INCH

Available in any length in between 12" and 98.43", 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"	.975"
13"	1.475"
14"	.3"-1.975"
15"	.8"
16"	1.3"
17"	1.8"
18"	.625"
19"	1.125"
20"	1.625"
21"	.45"
22"	.95"
23"	1.45"
24"	1.95"
36"	1.25"
48"	0.55"
60"	1.525"
72"	0.825"
84"	1.8"
96"	1.1"

### OPTIMAL LENGTH: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 & S2		P1 & P2	
	S1  End Feed	S2  Bottom Feed	P1  End Feed	P2  Bottom Feed
12"	10.46"		10.71"	
13"	10.46"		10.71"	
14"	13.81"		10.71"	
15"	13.81"		14.06"	
16"	13.81"		14.06"	
17"	13.81"		14.06"	
18"	17.16"		17.41"	
19"	17.16"		17.41"	
20"	17.16"		17.41"	
21"	20.51"		20.76"	
22"	20.51"		20.76"	
23"	20.51"		20.76"	
24"	23.86"		20.76"	
36"	33.91"		34.16"	
48"	47.31"		47.56"	
60"	57.36"		57.61"	
72"	70.76"		71.01"	
84"	80.81"		81.06"	
96"	94.21"		94.46"	

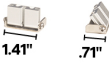
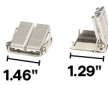




## COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR
	SW-IA
1%	QT-CAB-eLED+IA QTM-eLED+IA

DIMMING PROTOCOL	INDOOR
	SW-IA
DMX	QT-CAB-eLED+IA QTM-eLED+IA

## COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M	HINGE - HMB-L	HINGE - HMB-XL	Q-PIVOT	Q-ANGLE	VHB
 1.41" .71"	 1.46" 1.29"	 1.46" 4"	 .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	Double sided mounting tape



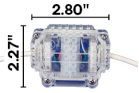
## ESSENTIALS FLUR™-FLAT (01) SW-IA

24VDC Linear Fixtures - Recessed

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### COMPATIBLE WIRING ACCESSORIES

Q-mini-J5



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