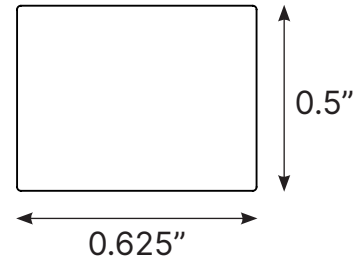


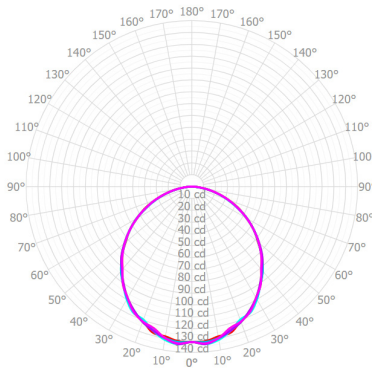
# FlexDuo Straight

SCOUT

## Dimensions



## Optics



## Spec Lock

- LED specially binned through forward voltage within a 3-step MacAdam ellipse for increased CCT fidelity and smooth lower end dimming.
- Flexible power feed injections maintain LED pitch consistency for a plethora of mounting options.
- Never a shadow, hotspot nor break in light no matter the output and run length.
- Feed from either the end, side or rear of tape light.

# FlexDuo Straight

SCOUT

## Part # Builder

FD-S	+		+		+		+		+		+		+		+		+		+		+	
Fixture		1		2		3		4		5		6		7		8		9		10		11

Fixture	1 : Lens	2 : Intensity <sup>1</sup>	3 : Color Temp
FD-O : FlexDuo Straight	FF : Flat Frosted Visible Does 5% Loss FM : Flat Milky Non Visible Diodes 50% Loss	L : Low (300lm/2.2w per ft - Nominal) H : High (600lm/4.4w per ft - Nominal)	27 : 2700K 30 : 3000K 35 : 3500K
4 : Finish <sup>2</sup>	5 : Feed <sup>3</sup>	6 : Control	7 : Mounting
N : None	EF : End Feed RF : Rear Feed SF1 : Side Feed 1	0 : None 1 : 0-10 -1% Dimming 2 : 0-10 - 0.1% Dimming 3 : DMX/ DALI 4 : POE 5 :ELV / MLV / Phase 6 : Lutron Hi-Lume 1% Ecosystem W/ SO-FTB 7 : Lutron Hi Lume 1% 3 Wire + G 8 : Lutron Athena Wireless Node - RF Only 9 : Casambi 10 : nLyte 11 : Enlighted 12 : Other - Consult Factory	E : External Mounting Clip
8 : Blind Cove <sup>4</sup>	9 : Wire Length	10 : Shape	11 : Fixture Length
N : No Y : Yes	12" 24" 48" 96" Custom - (Consult Factory)	S - Straight U - U Shape L - L Shape R - Rectangle P - Pattern (Consult Factory)	X' Y"

### Flat Frosted : Visible Diodes - 5% Light Loss

OUTPUT	L	H
Lumens/Foot	285	570
Watts/ Foot	2.2	4.4
Lumens/Watt	129	129

### Flat Milky : No Imaging - 50% Light Loss

OUTPUT	L	H
Lumens/Foot	158	315
Watts/ Foot	2.2	4.4
Lumens/Watt	72	72



Driver Wiring



Installation Guide

## Specification Details

	LENS	LIGHT LOSS	VISIBLE DIODES		LOW	High		
Voltage	N/A				24VDC CV	24VDC CV		
Watts / Foot	N/A				2.2	4.4		
mA / Foot	N/A				92	184		
Frosted Lens: Lumens / Foot	Frosted	5%	Yes		285	570		
Frosted Lens: Lumens / Watt	Frosted	5%	Yes		129	129		
Milky Lens: Lumens / Foot	Milky	50%	No		158	315		
Milky Lens: Lumens / Watt	Milky	50%	No		72	72		
0-10 / Lutron Athena Node	Max Load @ 96 Watts				40 Feet	20 Feet		
DMX / DALI	Max Load @ 96 Watts				40 Feet	20 Feet		
Phase	Max Load @ 96 Watts				40 Feet	20 Feet		
POE	Consult Factory							
Lutron Drivers	LDE1 Hi-Lume 1% EcoSystem. Soft On Fade to Black				L3DA3W Hi-Lume 1% 3 WIRE+G			
Color Temperatures (K) + Flux	2700 (100%), 3000 (100%), 3500 (115%)							
Max Run Length	Low : 40 Feet / High : 20 Feet							
Cutting Point	2" Cutting Points							
CRI	90+							
R9	50+							
MacAdams Ellipses	3 Steps							
Beam Angle <sup>2</sup>	120 Degrees							
IP Rating	IP20 - Dry Location							
Lamp Life	50,000 Hours							
Dimming / Control <sup>3</sup>	0-10 / POE / DMX / DALI / PHASE / LUTRON / LUTRON WIRELESS							
Operating Temperature	-13°F to 122°F							

### FINISH

Standard Mill Aluminum Finish.  
Powder Coating to any RAL# available upon specification  
Increased pricing for powder coating.

### Warranty

2 Year Limited Warranty - Covers all Scout manufactured products.  
Default to manufactures warranty for all 3rd party components. Does not cover labor.

### ORDER DETAILS

- All fixtures come standard with starter end cap feed unless otherwise specified.
- All Scout Select Fixtures come preassembled up to 8 feet long with 8" power feed.
- Any Fixture length under 8 feet long will be made as a complete fixture.
- Any Fixture length over 8 feet long will be broken into 6 foot lengths + the balance length. A 10 Foot Fixture will be broken into 1 length @ 6 Feet and 1 @ 4 Feet.
- In situations where fixtures are longer then the maximum wattage load new power will be injected from either the side or rear. Standard Injection is side Feed 1.
- All orders come with an approval drawing. Fabrication will not begin until drawing has been signed off or waived.

<sup>1</sup> Lumens / Watt accounts nominal driver efficacy at full load

<sup>2</sup> Finish: Mill Finish comes standard. Cost Adder for Power Coating. Contact Factory for Custom RAL#

### LED SYSTEM

Proprietary linear LED Scout Engine incorporates premium Cree LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance.  
Available in 2700K, 3000K, 3500K in 90+ CRI. LED modules and drivers are replaceable.  
Color accuracy <3 SDCM

### CONSTRUCTION

One piece extruded aluminum housing. Cast aluminum end caps.

### OPTICS

Extruded High Transmission Milky Acrylic Lens with No LED imaging. Extruded High Transmission Frosted Acrylic Lens with LED imaging.

### ELECTRICAL

Fixture comes reassembled with 8" whip.  
All Drivers are installed in remote location.  
All drivers are Universal input 120-277 VAC.  
Standard Constant Voltage drivers include 0-10V dimming preinstalled in enclosure.

### LABELS

Conforms To UL STD 2108 Certified To CSA STD C22.2 # 250.0  
Suitable for Dry or Damp Locations, indoor use only.  
ETL Control # 5011600

Scout Lighting reserves the right to modify this specification without prior notice. **Updated 3/27/25**