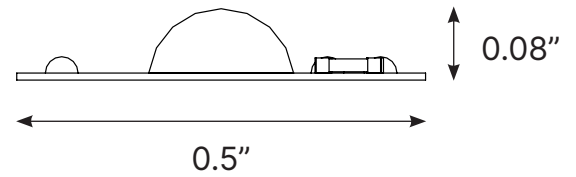
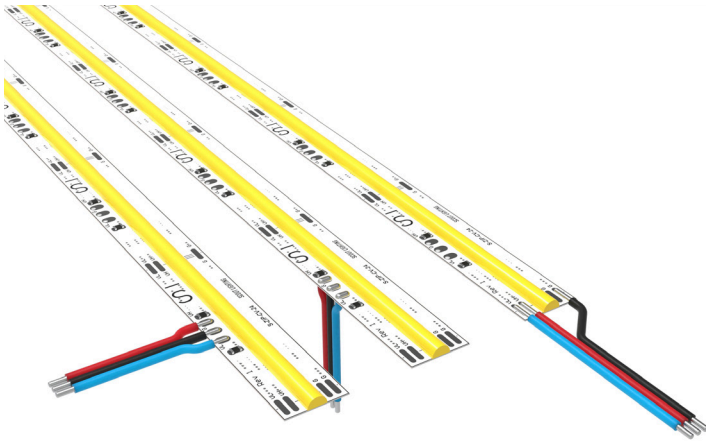


## Dimensions



## Spec Lock

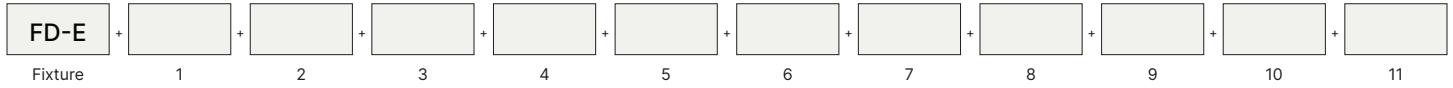
- LED specially binned through forward voltage within a 3-step MacAdam ellipse for increased CCT fidelity and smooth lower end dimming.
- Flexible power feed injections maintain LED pitch consistency for a plethora of mounting options.
- Never a shadow, hotspot nor break in light no matter the output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



# FlexDuo Engine

SCOUT

## Part # Builder



Fixture	1 : Lens	2 : Intensity <sup>1</sup>	3 : Color Temp
FD-E : FlexDuo Engine	N : None	L : Low (300lm/2.2w per ft) H : High (600lm/4.4w per ft)	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  *Refer to Color Temp selection	0 : None 1 : 0-10 -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	Tape : Double Sided Tape
8 : Blind Cove <sup>4</sup>	9 : Wire Length	10 : Shape	11 : Fixture Length
N : No	12" 24" 48" 96" Custom - (Consult Factory)	S - Straight U - U Shape L - L Shape R - Rectangle P - Pattern (Consult Factory)	X' Y"

### No Lens : No Imaging - 0% Light Loss

OUTPUT	L	H
Lumens/Foot	300	600
Watts/ Foot	2.2	4.4
Lumens/Watt	137	137



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		
Lumens / Watt		N/A			137	137		
No Lens: Lumens / Foot	None	0%	No		300	600		
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>	160 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

5 Year Limited Warranty - Covers all Scout manufactured products.  
Default to manufacturers 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 than 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#

<sup>3</sup>Feed: See Feed Details on page 4

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### 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 5/5/26