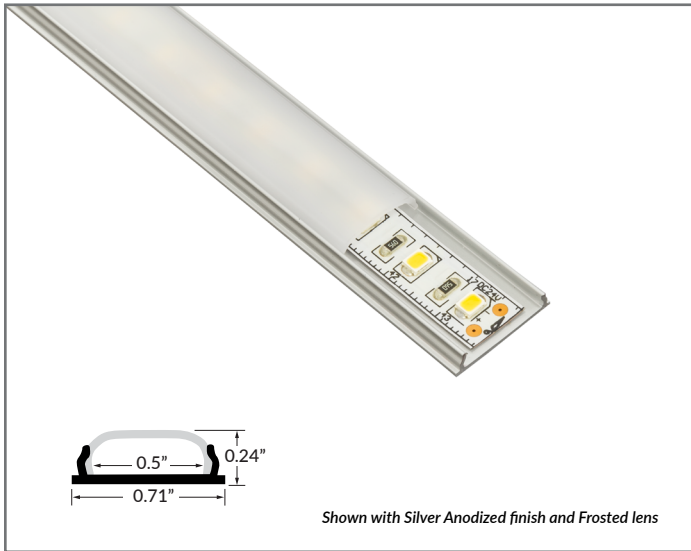


# FLEX EXTRUSION + LED TAPELIGHT



5 YEAR  
LIMITED  
WARRANTY



ASSEMBLED IN THE  
**USA**

## SPECIFICATIONS

FINISH	Silver Anodized, White Powder Coat
LENS	Frosted, Clear
WATTAGE	0.75W/ft to 7.6W/ft
IP RATING	IP20 dry
CCT / COLOR	2200K - 5200K; RGB; tunable white; warm fade
BEAM SPREAD	107° typical with Frosted lens
INPUT VOLTAGE	24VDC
LENGTH	Made to order. Actual lengths vary by LED tapelight cut points. Maximum assembled length is 94in. Lengths over 94in are made with multiple sections, shipped unassembled.
OUTPUT	78 to 806 lm/ft
LEDS	Single binned LEDs +/- 30-70 CCT, MacAdam 3 SDCM
MATERIAL	Extrusion - Anodized aluminum; Lens - Polycarbonate
MOUNTING	Mounting clips recommended - see below
POWER SUPPLY	Requires a 24V power supply - see page 5
WARRANTY	IP20 - 5 year limited

## FEATURES & RECOMMENDED APPLICATIONS

Flex is a hand-bendable extrusion that enables creative LED accents with more durability than tapelight alone. Use Flex for under cabinet, accents, displays, shelving, and signage.



PRODUCT: LLI-FLX-SF-H4.4W-35K-24V-36IN

# FLEX EXTRUSION + LED TAPELIGHT

## ORDERING GUIDE

← PRODUCT CODE

<b>PROFILE</b>	<b>1a. FINISH</b>		<b>1b. LENS</b>		<b>2. LED</b>	<b>3. IP RATING</b>	<b>4. CCT / COLOR</b>	<b>INPUT</b>	<b>5. LENGTH</b>	<b>OPTIONAL →</b>	<b>POWER FEED</b>		
LLI-FLX	S	F			2.5W	[blank]	30K	24V	48IN	[blank]	7. LEAD TYPE	8. LEAD LENGTH	9. FEED TYPE
	Silver White	Frosted Clear			WATTS/FT 0.75-7.6 W/ft	[blank] - IP20	WHITE 22K-52K Warm Fade Tunable White Static White RGB RGBW		Enter overall length in inches. Length can be a complete section (if under max run) or separated into smaller sections. Nominal length only. Actual lengths vary by LED cut point.	Default [blank] - Ships standard with standard clips.  Refer to section 6 on the next page if you require alternate mounting.	Default [blank] - 48" hard wire end feed (PWR48EF)  Refer to section 7 on the next page for an alternate power feed configuration.		

Example part number: LLI-FLX-SF-2.2W-42K-24V-48IN More LED tapelight and color options available upon request. Visit [www.lialighting.com](http://www.lialighting.com) or contact us for details.

### 1. FINISH & LENS

<p><b>1a. FINISH</b></p> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">S</div> <b>S</b> Silver Anodized finish <b>W</b> White Powder Coat finish	<p><b>1b. LENS</b></p> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">F</div> <b>F</b> Frosted lens <b>C</b> Clear lens
---	---

### 2-4. LED TAPELIGHT OPTIONS

<b>2. LED CODE</b>	<b>3. IP RATING</b>	<b>4. CCT / COLOR</b>
H4.4W	[blank]	30K

For IP20, leave [blank].

#### TECHNICAL DATA

	WATTAGE	DELIVERED LM/FT @ 30K <sup>^</sup>	FROSTED LENS APPEARANCE**	CRI	MAX. RUN	CUT POINTS*
T0.75W (White)	0.75 W/ft	78 lm/ft	SEMI-UNIFORM	90+	26 ft	1"
1.5W (White)	1.5 W/ft	145 lm/ft	IMAGING	90+	60 ft	3.9"
T1.5W (White)	1.5 W/ft	157 lm/ft	SEMI-UNIFORM	90+	26 ft	1"
2.5W (White)	2.5 W/ft	191 lm/ft	IMAGING	90+	32 ft	2"
2.2W (White)	2.2 W/ft	193 lm/ft	IMAGING	90+	60 ft	3.9"
★ T2.5W (White)	2.5 W/ft	206 lm/ft	SEMI-UNIFORM	90+	20 ft	1"
3.5W (White)	3.5 W/ft	243 lm/ft	IMAGING	90+	40 ft	2.5"
CB3.1W (White COB)	3.1 W/ft	261 lm/ft	UNIFORM	90+	16 ft	0.7"
◆ WF3.5W (Warm Fade)	3.5 W/ft	274 lm/ft	IMAGING	90+	16 ft	2.5"
TW2.7W (Tunable White)	2.7 W/ft	283 lm/ft	IMAGING	90+	26 ft	3.3"
4.4W (White)	4.4 W/ft	296 lm/ft	IMAGING	90+	32 ft	2"
H3.5W (White)	3.5 W/ft	367 lm/ft	IMAGING	90+	26 ft	2.5"
★ CB4.6W (White COB)	4.6 W/ft	391 lm/ft	UNIFORM	90+	16 ft	0.7"
★ T5.0W (White)	5.0 W/ft	398 lm/ft	SEMI-UNIFORM	90+	13 ft	1"
R5.4W (White, High R9)	5.4 W/ft	473 lm/ft	IMAGING	95+	16 ft	1"
★ H4.4W (White)	4.4 W/ft	473 lm/ft	IMAGING	90+	32 ft	2"
TW5.3W (Tunable White)	5.3 W/ft	494 lm/ft	IMAGING	90+	16 ft	3.3"
H5.3W (White)	5.3 W/ft	689 lm/ft	IMAGING	90+	16 ft	2"
IC5.9W (White)	5.9 W/ft	732 lm/ft	SEMI-UNIFORM	90+	16 ft	0.21"
★ HO5.9W (White)	5.9 W/ft	806 lm/ft	IMAGING	90+	16 ft	2"
C2.2W (Static Color)	2.2 W/ft	N/A	IMAGING	—	60 ft	3.9"
C4.4W (Static Color)	4.4 W/ft	N/A	IMAGING	—	32 ft	2"
CC4.4W (RGB)	4.4 W/ft	107 lm/ft	SEMI-UNIFORM	—	32 ft	3.9"
TC4.4W (RGB)	4.4 W/ft	156 lm/ft	IMAGING	—	16 ft	2"
★ CC5.9W (RGB)	5.9 W/ft	288 lm/ft	IMAGING	—	32 ft	2.8"
CW5.8W (RGBW)	5.8 W/ft	260 lm/ft	IMAGING	80+	32 ft	3.9"
CW7.0W (RGBW)	7.0 W/ft	302 lm/ft	IMAGING	90+	28 ft	2.5"
CW7.0W (RGBW)	7.6 W/ft	318 lm/ft	IMAGING	90+	16 ft	2.5"

★ Recommended options.  
 ◆ Warm Fade tapelight requires a UDIMM or 0-10V dimmable power supply.  
 \*\* Diode visibility data tested at 100% output. Diodes may become more visible as tapelight dims.  
 ^ Lumen data based on frosted lens, IP20 tapelight, 30K white output, or combined output for tunable white, warm fade, RGB, and RGB(W) tapelights.



### 5. LENGTH

**5. LENGTH**

48IN

Enter overall extrusion length in inches. Maximum assembled length is 94in. Lengths over 94in are made with multiple sections, shipped unassembled. Overall Extrusion+LED tapelight length will be rounded down based on nearest LED tapelight cut point.

# FLEX EXTRUSION + LED TAPELIGHT

## ORDERING GUIDE (CONTINUED)

### 6. MOUNTING (OPTIONAL)

6.

MOUNTING

[blank]

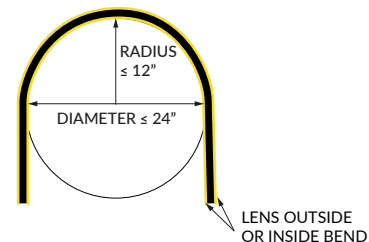
Default [blank] - Standard Clip

ADJ Adjustable Clip

STANDARD MOUNTING CLIP INCLUDED UNLESS OTHERWISE SPECIFIED



ADJUSTABLE MOUNTING CLIP



**DO NOT BEND EXTRUSION TIGHTER THAN 24" DIAMETER**

### 7-9. POWER FEED (OPTIONAL)

7.

LEAD TYPE

[blank]

8.

LEAD LENGTH

[blank]

9.

FEED TYPE

[blank]

Default [blank] - 48" hard wire end feed (PWR48EF)

- PWR** Hard wire
- MBC\*** Male barrel
- FBC\*** Female barrel

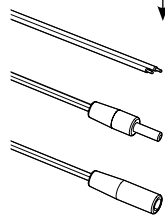
Enter desired wire length in inches.

- EF** End Feed
- SL** Left Side Feed
- SR** Right Side Feed
- RF** Rear Feed

STANDARD 48" HARD WIRE END FEED INCLUDED UNLESS OTHERWISE SPECIFIED

End Feed (EF) - default

Rear Feed (RF)



Hard wire, no connector - default (PWR)

Male barrel connector (MBC)\*

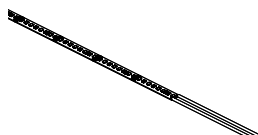
Female barrel connector (FBC)\*

\*Barrel connectors not compatible with RGB, RGB(W), or Tunable White tapelights.

## WHAT'S INCLUDED



EXTRUSION WITH LENS



LED TAPELIGHT WITH POWER FEED



ENDCAPS



MOUNTING CLIPS

# FLEX EXTRUSION + LED TAPELIGHT

## LUMEN OUTPUT MULTIPLIERS (FOR ESTIMATING DELIVERED LUMENS, FROSTED LENS ONLY)

COLOR TEMPERATURE	LUMEN MULTIPLIER
2200K	0.8
2700K	0.9
3000K	1
3500K	1.1
4200K	1.2
5200K	1.25


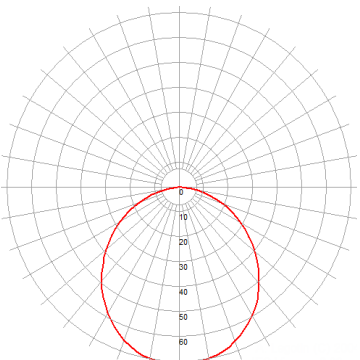
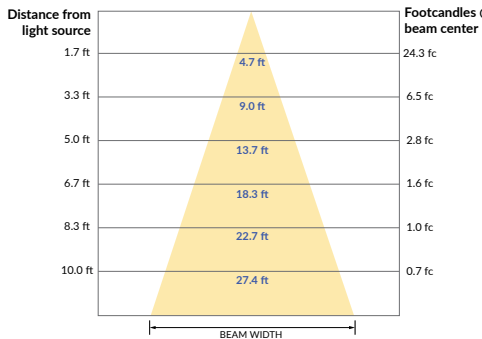
IP RATING	LUMEN MULTIPLIER
IP20	1

**EXAMPLE: Extrusion with 2.2W, IP20, 5200K**

(Output @ 30K) x (Color temperature lumen multiplier) = Estimated delivered lm/ft

193 lm/ft	x	1.25	=	241 lm/ft
-----------	---	------	---	-----------

## PHOTOMETRY

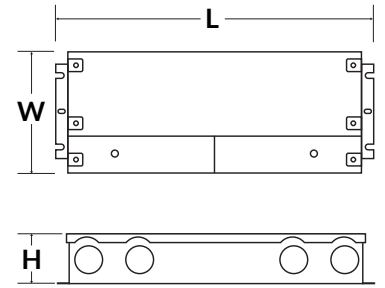
LLI-FLX-SF-T2.5W-30K-24V*		BEAM SPREAD	POLAR CHART	CONICAL CHART
POWER (W/ft)	2.5W	<b>107°</b> 		<b>ILLUMINANCE AT A DISTANCE</b> 
OUTPUT (lm/ft)	206 lm/ft			
COLOR TEMPERATURE	3000K			
BEAM SPREAD	107°			
EFFICACY (lm/W)	82 lm/W			

\*Information for other options available upon request. IES files for extrusion+tapelight available upon request.

**DIMMABLE ELECTRONIC 0-10V** 

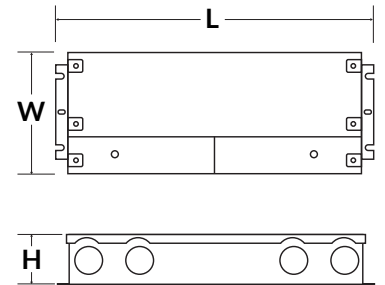
Optimal performance dims to 0%.\*

PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-DE010-030W-24V-KO	30W	120V or 277V	24V	CLASS 2	IP66 WET	6.5"	3.6"	1.6"
LLI-PS-DE010-060W-24V-KO	60W	120V or 277V	24V	CLASS 2	IP66 WET	7.4"	3.6"	1.6"
LLI-PS-DE010-096W-24V-KO	96W	120V or 277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.7"
LLI-PS-DE010-192W-24V-CL2-KO	2x96W	120V or 277V	24V	CLASS 2	IP66 WET	10.9"	4.3"	1.9"
LLI-PS-DE010-200W-24V-KO	200W	120V or 277V	24V	CLASS 1	IP66 WET	10.2"	4.1"	1.8"
LLI-PS-DE010-288W-24V-CL2-KO	3x96W	120V or 277V	24V	CLASS 2	IP66 WET	11.9"	4.3"	1.9"
LLI-PS-DE010-300W-24V-KO	300W	120V or 277V	24V	CLASS 1	IP66 WET	10.9"	4.3"	1.8"



**NON-DIMMABLE ELECTRONIC** 

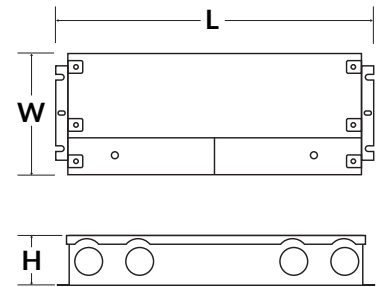
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-NDE-030W-24V-KO	30W	100-277V	24V	CLASS 2	IP66 WET	6.5"	3.5"	1.02"
LLI-PS-NDE-060W-24V-KO	60W	100-277V	24V	CLASS 2	IP66 WET	7.4"	3.5"	1.2"
LLI-PS-NDE-096W-24V-KO	96W	100-277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.7"
LLI-PS-NDE-192W-24V-CL2-KO	2x96W	100-277V	24V	CLASS 2	IP66 WET	10.9"	4.1"	1.9"
LLI-PS-NDE-200W-24V-KO	200W	100-277V	24V	CLASS 1	IP66 WET	10.3"	4.1"	1.8"
LLI-PS-NDE-288W-24V-CL2-KO	3x96W	100-277V	24V	CLASS 2	IP66 WET	11.9"	4.1"	1.9"
LLI-PS-NDE-300W-24V-KO	300W	100-277V	24V	CLASS 1	IP66 WET	10.9"	4.3"	1.8"




**UNIVERSAL DIMMABLE ELECTRONIC FLICKER-FREE** 

Optimal performance dims to 0-2%.

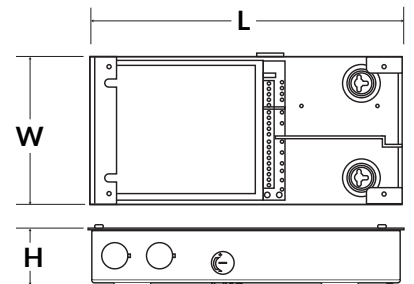
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-UDIMM-030W-24V-KO	30W	110-277V	24V	CLASS 2	IP66 WET	6.5"	3.7"	1.6"
LLI-PS-UDIMM-060W-24V-KO	60W	110-277V	24V	CLASS 2	IP66 WET	7.4"	3.7"	1.6"
LLI-PS-UDIMM-096W-24V-KO	96W	110-277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.6"
LLI-PS-UDIMM-192W-24V-CL2-KO	2x96W	110-277V	24V	CLASS 2	IP66 WET	10.9"	4.3"	1.8"
LLI-PS-UDIMM-200W-24V-KO	200W	110-277V	24V	CLASS 1	IP66 WET	10.2"	4.1"	1.8"
LLI-PS-UDIMM-288W-24V-CL2-KO	3x96W	110-277V	24V	CLASS 2	IP66 WET	11.8"	4.3"	1.8"
LLI-PS-UDIMM-300W-24V-KO	300W	110-277V	24V	CLASS 1	IP66 WET	10.9"	4.3"	1.8"



**LUTRON HI-LUME PREMIER 0.1% DIMMABLE ELECTRONIC** 

Soft-on, Fade-to-Black, continuous flicker-free dimming from 100% to 0.1.

PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
L3D0-96W24V-U	96W	120-277V	24V	CLASS 2	IP20 DRY	10.5"	5.5"	2.0"



\*Performance can be affected by driver loading and dimmer type.

