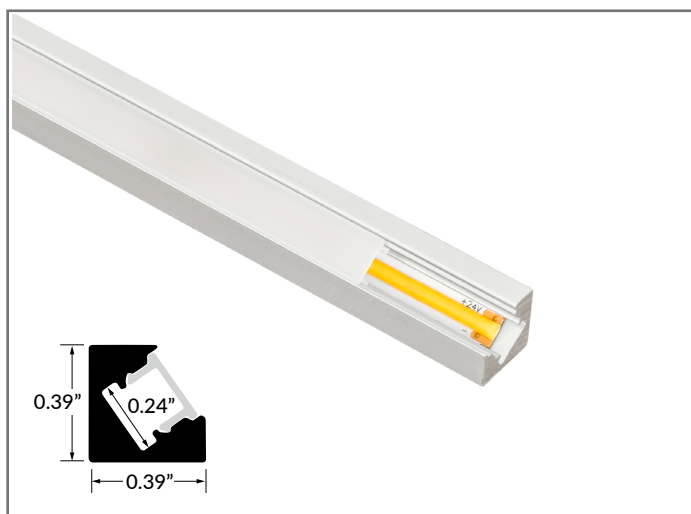


MINI ANGLED EXTRUSION + LED TAPELIGHT



5 YEAR
LIMITED
WARRANTY



SPECIFICATIONS

FINISH	Silver Anodized
LENS	Frosted
WATTAGE	2.5W/ft to 4.0W/ft
IP RATING	IP20 dry
CCT / COLOR	2700K - 5000K
BEAM SPREAD	80° 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	146 to 249 lm/ft
LEDs	Single binned LEDs +/- 30-70 CCT, MacAdam 3 SDCM
MATERIAL	Extrusion - Anodized aluminum; Lens - Polycarbonate
MOUNTING	Mounting clips recommended
POWER SUPPLY	Requires a 24V power supply - see page 5
WARRANTY	IP20 - 5 year limited

FEATURES & RECOMMENDED APPLICATIONS

Mini Angled extrusion is versatile and ideal for general lighting, under cabinet, accents, displays, shelving, and signage.



PRODUCT: LLI-MAN-SF-3.0W-30K-24V-48IN

MINI ANGLED EXTRUSION + LED TAPELIGHT

ORDERING GUIDE

← PRODUCT CODE

PROFILE	1a. FINISH	1b. LENS	2. LED	3. IP RATING	4. CCT / COLOR	INPUT	5. LENGTH
LLI-MAN	S	F	3.0W	[blank]	30K	24V	48IN
	Silver	Frosted	WATTS/FT 2.5-4.0 W/ft	[blank] - IP20	22K-50K		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.

OPTIONAL →

POWER FEED		
6. MOUNTING	7. LEAD TYPE	8. LEAD LENGTH
[blank]	[blank]	
Default [blank] - Ships standard with standard clips.	Default [blank] - 48" hard wire end feed (PWR48EF)	
Refer to section 6 on the next page if you require alternate mounting.	Refer to section 7 on the next page for an alternate power feed configuration.	

Example product code: LLI-MAN-SF-3.0W-35K-24V-48IN

More LED tapelight and color options available upon request. Visit www.llilighting.com or contact us for details.

1. FINISH & LENS

1a. FINISH S S Silver Anodized finish	1b. LENS F F Frosted lens
--	--

2-4. LED TAPELIGHT OPTIONS

2. LED CODE 3.0W	3. IP RATING [blank]	4. CCT / COLOR 30K
---	---	---

For IP20, leave [blank].

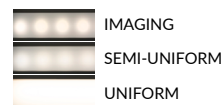
	20	24K / 27K / 30K / 35K / 40K / 50K
CB2.5W (White COB)		
3.0W (White)		
4.0W (White)		

TECHNICAL DATA

WATTAGE	DELIVERED LM/FT @ 30K [^]	FROSTED LENS APPEARANCE ^{**}	CRI	MAX. RUN	CUT POINTS*
2.5 W/ft	146 lm/ft	UNIFORM	90+	16 ft	1.97"
3.0 W/ft	178 lm/ft	UNIFORM	90+	16 ft	1.5"
4.0 W/ft	249 lm/ft	UNIFORM	90+	16 ft	1.5"

^{**} 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.

MINI ANGLED EXTRUSION + LED TAPELIGHT

ORDERING GUIDE (CONTINUED)

6. MOUNTING (OPTIONAL)

6.

MOUNTING

[blank]

Default [blank] - Standard Clip

STANDARD MOUNTING CLIP INCLUDED
UNLESS OTHERWISE SPECIFIED



7-10. POWER FEED (OPTIONAL)

7.

LEAD TYPE

[blank]

8.

LEAD LENGTH

[blank]

9.

FEED TYPE

[blank]

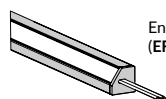
Default [blank] - 48" hard wire end feed (PWR48EF)

PWR Hard wire
MBC Male barrel
FBC Female barrel

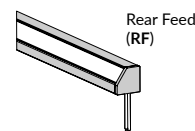
Enter desired wire
length in inches.

EF End Feed
RF Rear Feed

STANDARD 48" HARD WIRE END FEED INCLUDED
UNLESS OTHERWISE SPECIFIED



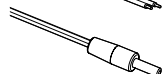
End Feed
(EF) - default



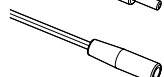
Rear Feed
(RF)



Hard wire, no connector -
default (PWR)



Male barrel connector
(MBC)*



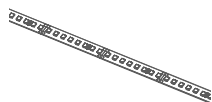
Female barrel connector
(FBC)*

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

WHAT'S INCLUDED



EXTRUSION WITH LENS



LED TAPELIGHT



ENDCAPS



MOUNTING CLIP

MICRO EXTRUSION + LED TAPELIGHT

LUMEN OUTPUT MULTIPLIERS (FOR ESTIMATING DELIVERED LUMENS)

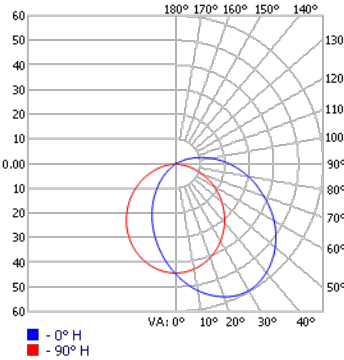
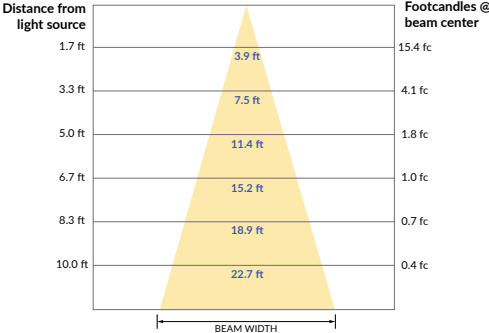
COLOR TEMPERATURE	LUMEN MULTIPLIER
2200K	0.8
2700K	0.9
3000K	1
3500K	1.1
4000K	1.2
5000K	1.25

EXAMPLE: Extrusion with 3.0W, 5000K

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

178 lm/ft x 1.25 = 223 lm/ft

PHOTOMETRY

LLI-MAN-SF-CB2.5W-30K-24V*		BEAM SPREAD	POLAR CHART	CONICAL CHART
POWER (W/ft)	2.5W	80° 		ILLUMINANCE AT A DISTANCE 
OUTPUT (lm/ft)	146 lm/ft			
COLOR TEMPERATURE	3000K			
BEAM SPREAD	80°			
EFFICACY (lm/W)	58.4 lm/W			

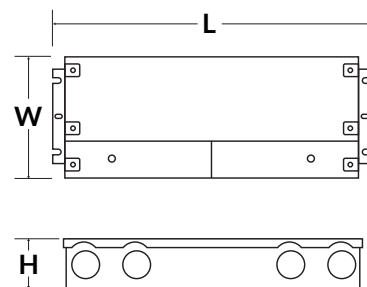
*Information for other options available upon request. IES files for extrusion+tapelight available upon request.

DIMMABLE ELECTRONIC 0-10V

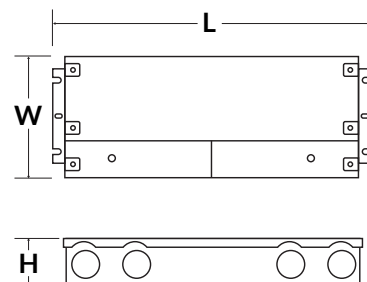
Optimal performance dims to 0%.*



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

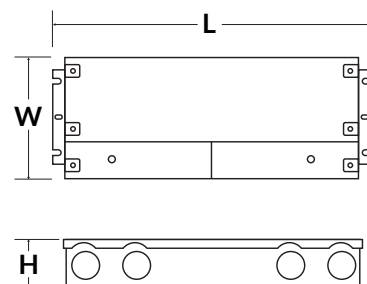

PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-NDE-030W-24V-KO	30W	100-277V	24V	CLASS 2	IP66 WET	6.5"	3.5"	1.02"
LLI-PS-NDE-060W-24V-KO	60W	100-277V	24V	CLASS 2	IP66 WET	7.4"	3.5"	1.2"
LLI-PS-NDE-096W-24V-KO	96W	100-277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.7"
LLI-PS-NDE-192W-24V-CL2-KO	2x96W	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%.



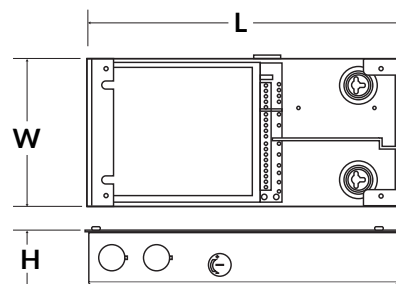
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-UDIMM-030W-24V-KO	30W	110-277V	24V	CLASS 2	IP66 WET	6.5"	3.7"	1.6"
LLI-PS-UDIMM-060W-24V-KO	60W	110-277V	24V	CLASS 2	IP66 WET	7.4"	3.7"	1.6"
LLI-PS-UDIMM-096W-24V-KO	96W	110-277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.6"
LLI-PS-UDIMM-192W-24V-CL2-KO	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.