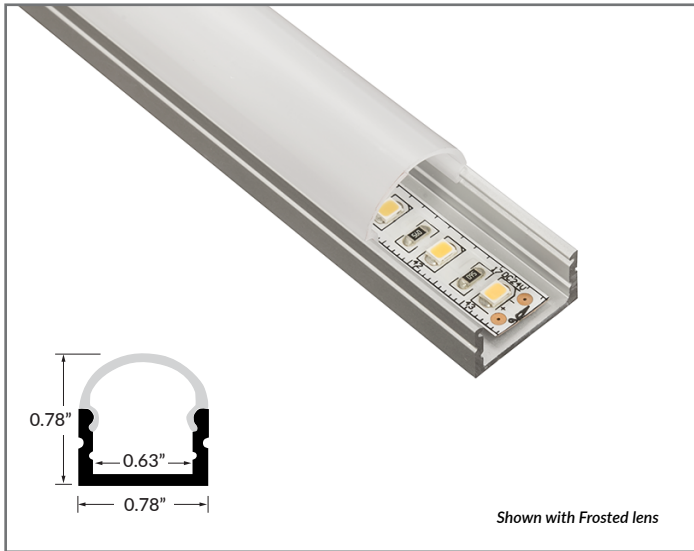


# DOME EXTRUSION + LED TAPELIGHT



5 YEAR  
LIMITED  
WARRANTY



ASSEMBLED IN THE  
**USA**

## SPECIFICATIONS

FINISH	Silver Anodized
LENS	Frosted, Clear
WATTAGE	1.5W/ft to 8.8W/ft
IP RATING	IP20, IP65, IP68 - rating applies to tapelight, see page 2 for details
CCT / COLOR	2200K - 5200K; RGB; RGBW; tunable white; warm fade
BEAM SPREAD	103° 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	100 to 555 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, IP65/67/68 - 3 year limited

## FEATURES & RECOMMENDED APPLICATIONS

Surface-mount extrusion with a domed frosted lens that eliminates diode imaging with most LED tapelights. Versatile and ideal for general lighting, under cabinet, accents, displays, shelving, and signage.



PRODUCT: LLI-DOM-SF-H4.4W-30K-24V-48IN

# DOME EXTRUSION + LED TAPELIGHT

## ORDERING GUIDE

← PRODUCT CODE

PROFILE	1a. FINISH	1b. LENS	2. LED	3. IP RATING*	4. CCT / COLOR	INPUT	5. LENGTH	6. MOUNTING	POWER FEED		
LLI-DOM	S	F	2.5W	65	30K	24V	48IN	[blank]	7. LEAD TYPE	8. LEAD LENGTH	9. FEED TYPE
	Silver	Frosted Clear	WATTS/FT 1.5-8.8 W/ft	[blank] - IP20 65 - IP65 68 - IP68	22K-52K Warm Fade Tunable White Static Color 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-DOM-SF-4.4W-65-35K-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; width: 40px; text-align: center; margin: 5px auto;">S</div> <p><b>S</b> Silver Anodized finish</p>	<p><b>1b. LENS</b></p> <div style="border: 1px solid black; padding: 2px; width: 40px; text-align: center; margin: 5px auto;">F</div> <p><b>F</b> Frosted lens <b>C</b> Clear lens</p>
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### 2-4. LED TAPELIGHT OPTIONS

<b>2. LED CODE</b> H4.4W	<b>3. IP RATING*</b> [blank]	<b>4. CCT / COLOR</b> 30K
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For IP20, leave [blank].

#### TECHNICAL DATA

	WATTAGE	DELIVERED LM/FT @ 30K^	FROSTED LENS APPEARANCE**	CRI	MAX. RUN	CUT POINTS*
1.5W (White)	1.5 W/ft	100 lm/ft	SEMI-UNIFORM	90+	60 ft*	3.9"
T1.5W (White)	1.5 W/ft	108 lm/ft	UNIFORM	90+	26 ft	1"
2.2W (White)	2.2 W/ft	133 lm/ft	SEMI-UNIFORM	90+	60 ft*	3.9"
★ 2.5W (White)	2.5 W/ft	131 lm/ft	UNIFORM	90+	32 ft	2"
T2.5W (White)	2.5 W/ft	142 lm/ft	UNIFORM	90+	20 ft	1"
3.5W (White)	3.5 W/ft	167 lm/ft	UNIFORM	90+	40 ft	2.5"
◆ WF3.5W (Warm Fade)	3.5 W/ft	188 lm/ft	UNIFORM	90+	16 ft	2.5"
TW2.7W (Tunable White)	2.7 W/ft	195 lm/ft	UNIFORM	90+	26 ft	3.3"
★ 4.4W (White)	4.4 W/ft	204 lm/ft	UNIFORM	90+	32 ft	2"
H3.5W (White)	3.5 W/ft	253 lm/ft	UNIFORM	90+	32 ft	2.5"
T5.0W (White)	5.0 W/ft	274 lm/ft	UNIFORM	90+	13 ft	1"
H4.0W (White)	4.0 W/ft	281 lm/ft	UNIFORM	90+	40 ft	1.3"
R5.4W (White, High R9)	5.4 W/ft	326 lm/ft	UNIFORM	95+	16 ft	1"
★ H4.4W (White)	4.4 W/ft	326 lm/ft	UNIFORM	90+	32 ft	2"
TW5.3W (Tunable White)	5.3 W/ft	340 lm/ft	UNIFORM	90+	16 ft	3.3"
8.8W (White)	8.8 W/ft	357 lm/ft	UNIFORM	90+	32 ft	1"
H6.6W (White)	6.6 W/ft	459 lm/ft	UNIFORM	90+	16 ft	1.3"
H5.3W (White)	5.3 W/ft	474 lm/ft	UNIFORM	90+	16 ft	2"
H5.9W (White)	5.9 W/ft	477 lm/ft	UNIFORM	90+	32 ft	2.8"
★ HO5.9W (White)	5.9 W/ft	555 lm/ft	UNIFORM	90+	16 ft	2"
T5.9W (White)	5.9 W/ft	555 lm/ft	UNIFORM	90+	20 ft	2"
C2.2W (Static Color)	2.2 W/ft	N/A	SEMI-UNIFORM	-	60 ft	3.9"
C4.4W (Static Color)	4.4 W/ft	N/A	UNIFORM	-	32 ft	2"
CC4.4W (RGB)	4.4 W/ft	74 lm/ft	SEMI-UNIFORM	-	32 ft	3.9"
TC4.4W (RGB)	4.4 W/ft	107 lm/ft	UNIFORM	-	32 ft	2"
★ CC5.9W (RGB)	5.9 W/ft	198 lm/ft	UNIFORM	-	32 ft	2.8"
CW5.8W (RGBW)	5.8 W/ft	179 lm/ft	SEMI-UNIFORM	80+	32 ft	3.9"
CW7.0W (RGBW)	7.0 W/ft	208 lm/ft	UNIFORM	90+	28 ft	2.5"
★ CW7.6W (RGBW)	7.6 W/ft	219 lm/ft	UNIFORM	90+	16 ft	2.5"

\* 1.5W and 2.2W IP65/IP68 tapelight maximum run is reduced to 50 ft, only IP20 may reach maximum run of 60 ft.

★ Recommended options.

◆ Warm Fade tapelight requires a UDEFF 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.

\* Protection varies according to IP Rating. See below or refer to [lialighting.com/resources](http://lialighting.com/resources) for more information.

IP20, uncoated - Dry Location

IP65, silicone covered - Wet Location - Limited protection from water ingress. Not suitable for applications that may see pooling or standing water conditions. Not suitable for submersion.

IP68, solid silicone - Wet Location - Full protection against water ingress for most applications. Limited protection from water ingress in submerged applications.



# DOME EXTRUSION + LED TAPELIGHT

## ORDERING GUIDE (CONTINUED)

### 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.

### 6. MOUNTING (OPTIONAL)

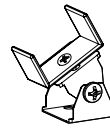
6.  
MOUNTING  
[blank]  
Default [blank] - Standard Clip  
ADJ Adjustable Clip

STANDARD MOUNTING CLIP INCLUDED UNLESS OTHERWISE SPECIFIED



0.9" W x 0.5" H x 0.5" L

ADJUSTABLE MOUNTING CLIP



0.9" W x 0.9" H x 0.6" L

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

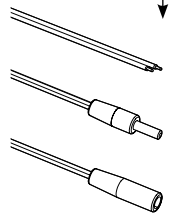
7. LEAD TYPE [blank] 8. LEAD LENGTH [blank] 9. FEED TYPE [blank]

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

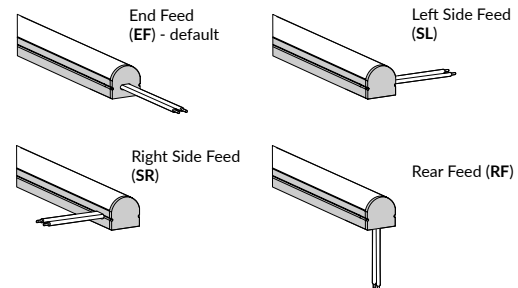


Hard wire, no connector - default (PWR)

Male barrel connector (MBC)\*

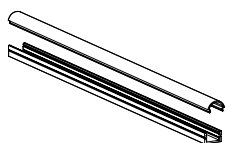
Female barrel connector (FBC)\*

STANDARD 48" HARD WIRE END FEED INCLUDED UNLESS OTHERWISE SPECIFIED

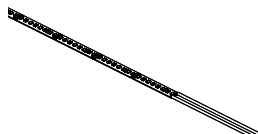


\*Barrel connectors not compatible with RGB, RGB(W), or Tunable White tapelights.

## WHAT'S INCLUDED



EXTRUSION WITH LENS



LED TAPELIGHT WITH POWER FEED



ENDCAPS



MOUNTING CLIPS

# DOMEXTRUSION + 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


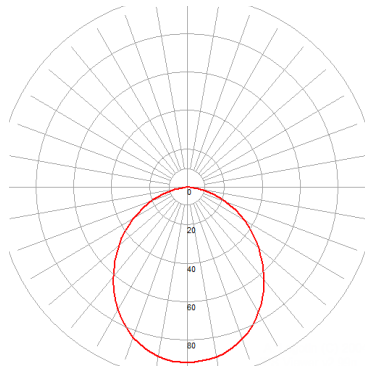
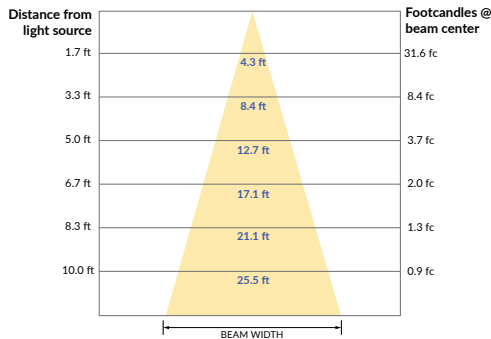
IP RATING	LUMEN MULTIPLIER
IP20	1
IP65	0.9
IP68	0.9

**EXAMPLE: Extrusion with 2.5W, IP65, 5200K**

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

$$131 \text{ lm/ft} \times 1.25 \times 0.9 = 165 \text{ lm/ft}$$

## PHOTOMETRY

LLI-DOM-SF-H4.4W-30K-24V*		BEAM SPREAD	POLAR CHART	CONICAL CHART
POWER (W/ft)	4.4W	<b>103°</b> 		<b>ILLUMINANCE AT A DISTANCE</b> 
OUTPUT (lm/ft)	326 lm/ft			
COLOR TEMPERATURE	3000K			
BEAM SPREAD	103°			
EFFICACY (lm/W)	47 lm/W			

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

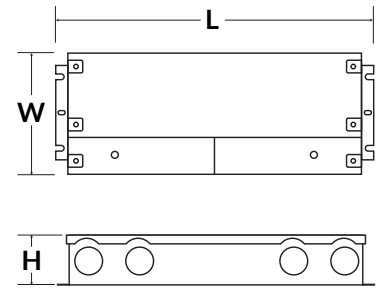
**POWER SUPPLIES** SOLD SEPARATELY

**DIMMABLE ELECTRONIC 0-10V**

Optimal performance dims to 0%.\*



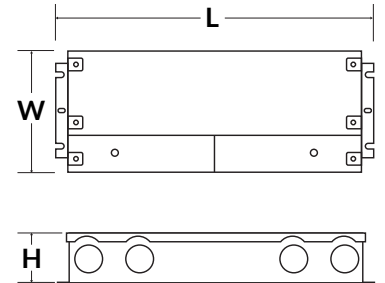
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-DE010-030W-24V-KO	30W	120V or 277V	24V	CLASS 2	IP66 WET	6.5"	3.6"	1.6"
LLI-PS-DE010-060W-24V-KO	60W	120V or 277V	24V	CLASS 2	IP66 WET	7.4"	3.6"	1.6"
LLI-PS-DE010-096W-24V-KO	96W	120V or 277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.7"
LLI-PS-DE010-200W-24V-KO	200W	120V or 277V	24V	CLASS 1	IP66 WET	10.2"	4.1"	1.8"
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-200W-24V-KO	200W	100-277V	24V	CLASS 1	IP66 WET	10.3"	4.1"	1.8"
LLI-PS-NDE-300W-24V-KO	300W	100-277V	24V	CLASS 1	IP66 WET	10.9"	4.3"	1.8"

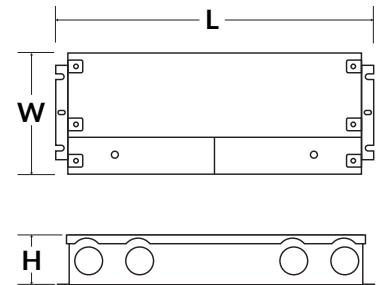


**DIMMABLE ELECTRONIC FLICKER-FREE**

Optimal performance dims to 2-5%.



PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-UDEFF-030W-24V-KO	30W	110-277V	24V	CLASS 2	IP66 WET	6.5"	3.6"	1.0"
LLI-PS-UDEFF-060W-24V-KO	60W	110-277V	24V	CLASS 2	IP66 WET	7.4"	3.6"	1.0"
LLI-PS-UDEFF-096W-24V-KO	96W	110-277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.6"
LLI-PS-UDEFF-200W-24V-KO	200W	110-277V	24V	CLASS 1	IP66 WET	10.2"	4.1"	1.8"
LLI-PS-UDEFF-300W-24V-KO	300W	110-277V	24V	CLASS 1	IP66 WET	11.0"	4.3"	1.8"

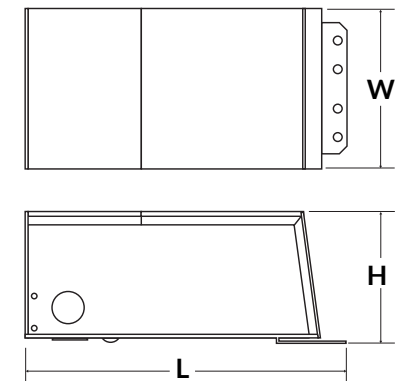


**DIMMABLE MAGNETIC**

Optimal performance dims to 5-10%.\*



PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-DM-020W-24V-KO	20W	120V or 277V	24V	CLASS 2	NEMA 3R WET	7.38"	2.11"	1.60"
LLI-PS-DM-040W-24V-KO	40W	120V or 277V	24V	CLASS 2	NEMA 3R WET	7.38"	2.11"	1.60"
LLI-PS-DM-060W-24V-KO	60W	120V or 277V	24V	CLASS 2	NEMA 3R WET	8.13"	3.93"	1.59"
LLI-PS-DM-100W-24V-KO	100W	120V or 277V	24V	CLASS 2	NEMA 3R WET	8.13"	3.93"	1.59"
LLI-PS-DM-150W-24V-KO	150W	120V or 277V	24V	CLASS 1	NEMA 3R WET	8.79"	4.15"	3.41"
LLI-PS-DM-200W-24V-KO	200W	120V or 277V	24V	CLASS 1	NEMA 3R WET	8.79"	4.15"	3.41"
LLI-PS-DM-300W-24V-KO	300W	120V or 277V	24V	CLASS 1	NEMA 3R WET	8.79"	4.15"	3.41"
LLI-PS-DM-300W-24V-CL2-KO	6 x 50W	120V or 277V	24V	CLASS 2	NEMA 3R WET	10.29"	5.69"	3.43"
LLI-PS-DM-600W-24V-KO	2 x 300W	120V or 277V	24V	CLASS 1	NEMA 3R WET	10.29"	6.79"	4.68"

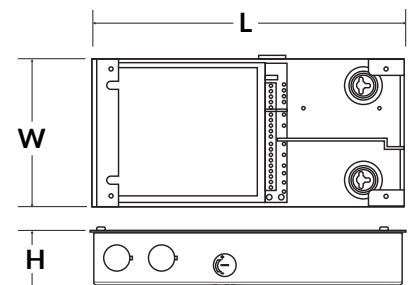


**LUTRON HI-LUME PREMIER 0.1% DIMMABLE ELECTRONIC**

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.

