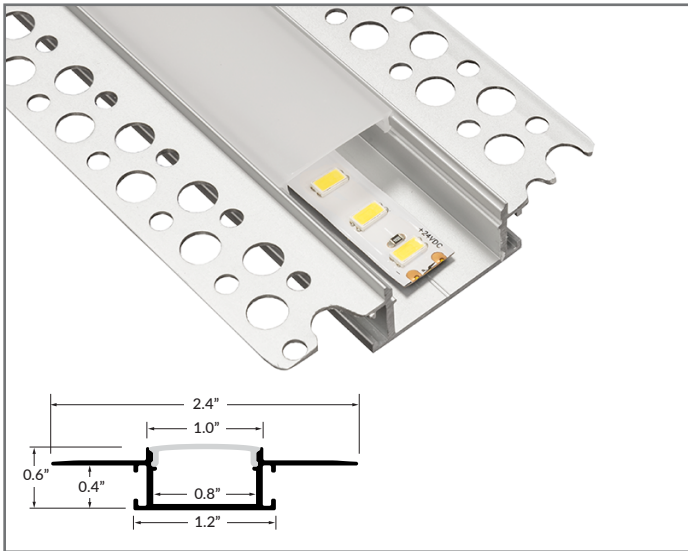


# SEAMLESS 1.0 EXTRUSION + LED TAPELIGHT



## SPECIFICATIONS

FINISH	Silver
LENS	Frosted
WATTAGE	0.75W/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	105°
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	67 to 689 lm/ft
LEDS	Single binned LEDs +/- 30-70 CCT, MacAdam 3 SDCM
MATERIAL	Extrusion - Anodized aluminum; Lens - Polycarbonate
MOUNTING	Mounting screws and plaster (not included)
POWER SUPPLY	Requires a 24V power supply - see below
WARRANTY	IP20 - 5 year limited, IP65/67/68 - 3 year limited

5 YEAR LIMITED WARRANTY



## FEATURES & RECOMMENDED APPLICATIONS

Mud-in extrusion with a 1.0" lens that enables lines of light to be built into drywall ceilings and walls. Versatile and ideal for general lighting, accents, displays, and signage.



PRODUCT: LLI-SM1-SF-H5.9W-35K-24V-48IN

# SEAMLESS 1.0 EXTRUSION + LED TAPELIGHT

## ORDERING GUIDE

← PRODUCT CODE

<b>PROFILE</b> LLI-SM1	<b>1a. FINISH</b> S	<b>1b. LENS</b> F	<b>2. LED</b> H4.4W WATTS/FT 0.75-8.8 W/ft	<b>3. IP RATING*</b> [blank] - IP20 65 - IP65 68 - IP68	<b>4. CCT / COLOR</b> 30K 22K-52K Warm Fade Tunable White Static Color RGB RGBW	<b>INPUT</b> 24V	<b>5. LENGTH</b> 48IN 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.
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OPTIONAL →

<b>POWER FEED</b>		
<b>6. LEAD TYPE</b>	<b>7. LEAD LENGTH</b>	<b>8. FEED TYPE</b>
[blank]		

Default [blank] - 48" hard wire rear feed (PWR48RF)  
Refer to section 7 on the next page for an alternate power feed configuration.

Example part number: LLI-SM1-SF-H4.4W-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

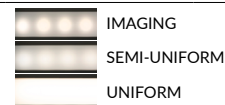
<b>1a. FINISH</b> <div style="border: 1px solid black; padding: 2px; width: 40px; margin: 0 auto;">S</div> <p>S Silver Anodized finish</p>	<b>1b. LENS</b> <div style="border: 1px solid black; padding: 2px; width: 40px; margin: 0 auto;">F</div> <p>F Frosted lens</p>
---	---

### 2-4. LED TAPELIGHT OPTIONS

2. LED CODE	3. IP RATING*	4. CCT / COLOR	TECHNICAL DATA					
H4.4W	[blank]	30K	WATTAGE	DELIVERED LM/FT @ 30K*	FROSTED LENS APPEARANCE**	CRI	MAX. RUN	CUT POINTS*
For IP20, leave [blank].								
T0.75W (White)	20 / 65	22K / 27K / 30K / 35K / 42K / 52K	0.75 W/ft	67 lm/ft	SEMI-UNIFORM	90+	26 ft	1"
1.5W (White)	20 / 65* / 68*	22K / 27K / 30K / 35K / 42K / 52K	1.5 W/ft	124 lm/ft	IMAGING	90+	60 ft*	3.9"
T1.5W (White)	20 / 65	22K / 27K / 30K / 35K / 42K / 52K	1.5 W/ft	134 lm/ft	SEMI-UNIFORM	90+	26 ft	1"
★ 2.5W (White)	20 / 65 / 68	22K / 24K / 27K / 30K / 35K / 42K / 52K	2.5 W/ft	163 lm/ft	SEMI-UNIFORM	90+	32 ft	2"
2.2W (White)	20 / 65* / 68*	22K / 27K / 30K / 35K / 42K / 52K	2.2 W/ft	165 lm/ft	IMAGING	90+	60 ft*	3.9"
T2.5W (White)	20 / 65	22K / 27K / 30K / 35K / 42K / 52K	2.5 W/ft	176 lm/ft	UNIFORM	90+	20 ft	1"
3.5W (White)	20 / 65 / 68	22K / 27K / 30K / 35K / 42K / 52K	3.5 W/ft	208 lm/ft	SEMI-UNIFORM	90+	40 ft	2.5"
♦ WF3.5W (Warm Fade)	20 / 65 / 68	27D (18-27K) / 30D (18-30K)	3.5 W/ft	234 lm/ft	SEMI-UNIFORM	90+	16 ft	2.5"
TW2.7W (Tunable White)	20 / 65 / 68	1835 (18-35K) / 2235 (22-35K) / 2752 (27-52K)	2.7 W/ft	242 lm/ft	SEMI-UNIFORM	90+	26 ft	3.3"
★ 4.4W (White)	20 / 65 / 68	22K / 24K / 27K / 30K / 35K / 42K / 52K	4.4 W/ft	253 lm/ft	SEMI-UNIFORM	90+	32 ft	2"
H3.5W (White)	20 / 65 / 68	22K / 27K / 30K / 35K / 42K / 52K	3.5 W/ft	314 lm/ft	UNIFORM	90+	32 ft	2.5"
T5.0W (White)	20 / 65	22K / 27K / 30K / 35K / 42K / 52K	5.0 W/ft	340 lm/ft	UNIFORM	90+	13 ft	1"
H4.0W (White)	20 / 65	22K / 27K / 30K / 35K / 42K / 52K	4.0 W/ft	360 lm/ft	UNIFORM	90+	40 ft	1.3"
R5.4W (White, High R9)	20 / 65 / 68	22K / 27K / 30K / 35K / 42K / 52K	5.4 W/ft	405 lm/ft	UNIFORM	95+	16 ft	1"
★ H4.4W (White)	20 / 65 / 68	22K / 24K / 27K / 30K / 35K / 42K / 52K	4.4 W/ft	405 lm/ft	UNIFORM	90+	32 ft	2"
TW5.3W (Tunable White)	20 / 65 / 68	1835 (18-35K) / 2235 (22-35K) / 2752 (27-52K)	5.3 W/ft	423 lm/ft	SEMI-UNIFORM	90+	16 ft	3.3"
8.8W (White)	20 / 65	22K / 27K / 30K / 35K / 42K / 52K	8.8 W/ft	444 lm/ft	UNIFORM	90+	32 ft	1"
H6.6W (White)	20 / 65	22K / 27K / 30K / 35K / 42K / 52K	6.6 W/ft	571 lm/ft	UNIFORM	90+	16 ft	1.3"
★ H5.3W (White)	20 / 68	27K / 30K / 35K / 42K / 52K	5.3 W/ft	589 lm/ft	UNIFORM	90+	16 ft	2"
★ H5.9W (White)	20 / 65	27K / 30K / 35K / 42K / 52K	5.9 W/ft	593 lm/ft	UNIFORM	90+	32 ft	2.8"
★ HO5.9W (White)	20 / 68	27K / 30K / 35K / 42K / 52K	5.9 W/ft	689 lm/ft	UNIFORM	90+	16 ft	2"
T5.9W (White)	20 / 65	27K / 30K / 35K / 42K / 52K	5.9 W/ft	689 lm/ft	UNIFORM	90+	20 ft	2"
C2.2W (Static Color)	20 / 65 / 68	RED / AMB / GRN / BLU	2.2 W/ft	N/A	IMAGING	—	60 ft	3.9"
C4.4W (Static Color)	20 / 65 / 68	RED / AMB / GRN / BLU	4.4 W/ft	N/A	UNIFORM	—	32 ft	2"
CC4.4W (RGB)	20 / 65 / 68	RGB	4.4 W/ft	92 lm/ft	IMAGING	—	32 ft	3.9"
TC4.4W (RGB)	20 / 65	RGB	4.4 W/ft	133 lm/ft	UNIFORM	—	16 ft	2"
★ CC5.9W (RGB)	20 / 65	RGB	5.9 W/ft	246 lm/ft	UNIFORM	—	32 ft	2.8"
CW5.8W (RGBW)	20 / 65	R30 (RGB + 30K) / R60	5.8 W/ft	223 lm/ft	IMAGING	80+	32 ft	3.9"
★ CW7.0W (RGBW)	20	R30 (RGB + 30K) / R60	7.0 W/ft	258 lm/ft	SEMI-UNIFORM	90+	28 ft	2.5"
CW7.6W (RGBW)	20 / 65	R22 (RGB + 22K) / R27 / R30 / R35 / R42 / R52	7.6 W/ft	272 lm/ft	SEMI-UNIFORM	90+	16 ft	2.5"
CW8.8W (RGBW)	20 / 65	R27 (RGB + 27K) / R30 / R35 / R42 / R52	8.8 W/ft	462 lm/ft	SEMI-UNIFORM	90+	22 ft	3.9"

\* 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.



# SEAMLESS 1.0 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.

### 6-8. POWER FEED (optional)

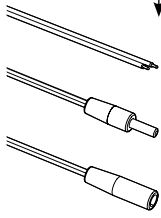
7. LEAD TYPE	8. LEAD LENGTH	9. FEED TYPE
[blank]	[blank]	[blank]

Default [blank] - 48" hard wire rear feed (PWR48RF)

- 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



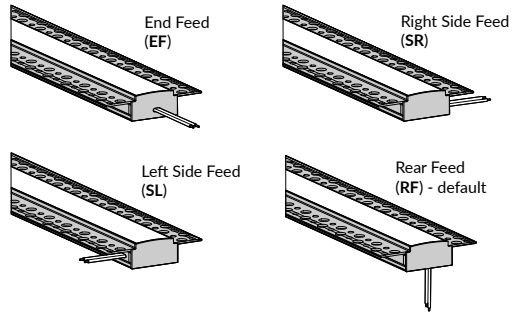
Hard wire, no connector - default (PWR)

Male barrel connector (MBC)\*

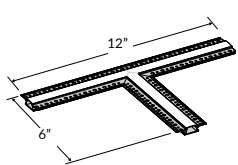
Female barrel connector (FBC)\*

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

STANDARD 48" HARD WIRE REAR FEED INCLUDED UNLESS OTHERWISE SPECIFIED

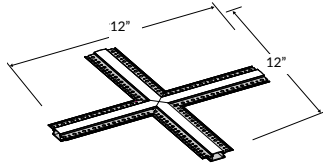


### FACTORY ASSEMBLED CORNERS (NO MITER CUTS REQUIRED. SCREWS AND JOINER BARS INCLUDED.)



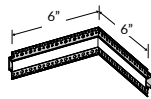
T CORNER

LLI-XR-SM1-SF-TEE-12IN



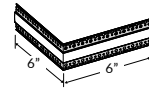
X CORNER

LLI-XR-SM1-SF-CROSS-12IN



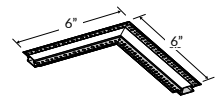
90° INSIDE CORNER

LLI-XR-SM1-SF-90D-INS-6IN



90° OUTSIDE CORNER

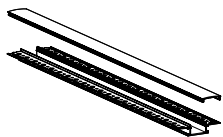
LLI-XR-SM1-SF-90D-OUT-6IN



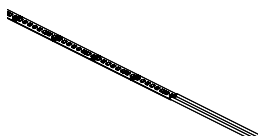
90° FLAT CORNER

LLI-XR-SM1-SF-90D-FLT-6IN

### WHAT'S INCLUDED



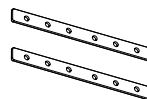
EXTRUSION WITH LENS



LED TAPELIGHT WITH POWER FEED



ENDCAPS



JOINER BARS

(Included if required for layout. Screws and hex wrench included)

# SEAMLESS 1.0 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
4200K	1.2
5200K	1.25

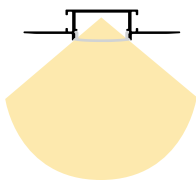
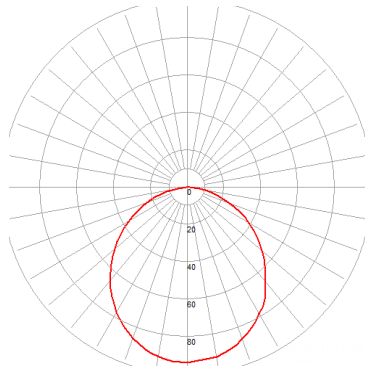
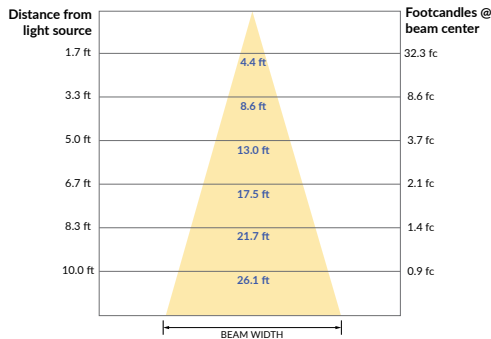
IP RATING	LUMEN MULTIPLIER
IP20	1
IP65	0.9
IP68	0.9

**EXAMPLE: Extrusion with 8.8W, IP65, 5200K**

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

$$444 \text{ lm/ft} \times 1.25 \times 0.9 = 500 \text{ lm/ft}$$

## PHOTOMETRY

LLI-SM1-SF-4.4W-30K-24V*		BEAM SPREAD	POLAR CHART	CONICAL CHART
POWER (W/ft)	4.4W	<b>105°</b> 		<b>ILLUMINANCE AT A DISTANCE</b> 
OUTPUT (lm/ft)	253 lm/ft			
COLOR TEMPERATURE	3000K			
BEAM SPREAD	105°			
EFFICACY (lm/W)	58 lm/W			

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

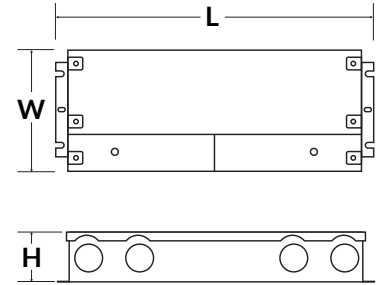
**POWER SUPPLIES** SOLD SEPARATELY

**DIMMABLE ELECTRONIC 0-10V**



Optimal performance dims to 0%.\*

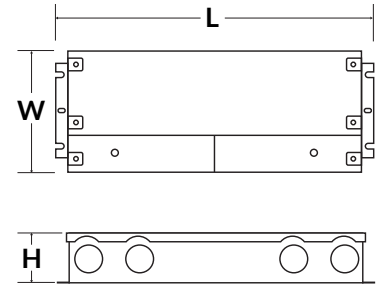
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-DE010-030W-24V-KO	30W	120V or 277V	24V	CLASS 2	IP66 WET	6.5"	3.6"	1.6"
LLI-PS-DE010-060W-24V-KO	60W	120V or 277V	24V	CLASS 2	IP66 WET	7.4"	3.6"	1.6"
LLI-PS-DE010-096W-24V-KO	96W	120V or 277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.7"
LLI-PS-DE010-192W-24V-CL2-KO	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"

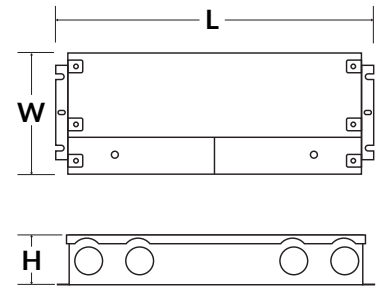


**DIMMABLE ELECTRONIC FLICKER-FREE**



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-192W-24V-CL2-KO	2x96W	110-277V	24V	CLASS 2	IP66 WET	10.9"	4.3"	1.9"
LLI-PS-UDEFF-200W-24V-KO	200W	110-277V	24V	CLASS 1	IP66 WET	10.2"	4.1"	1.8"
LLI-PS-UDEFF-288W-24V-CL2-KO	3x96W	110-277V	24V	CLASS 2	IP66 WET	11.9"	4.3"	1.9"
LLI-PS-UDEFF-300W-24V-KO	300W	110-277V	24V	CLASS 1	IP66 WET	11.0"	4.3"	1.8"

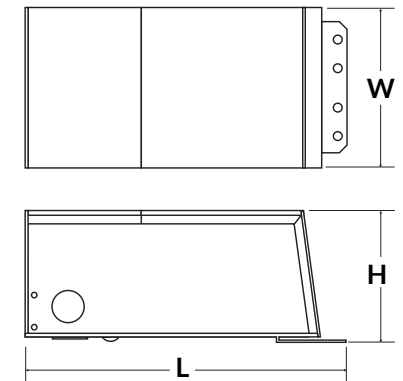


**DIMMABLE MAGNETIC**



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"

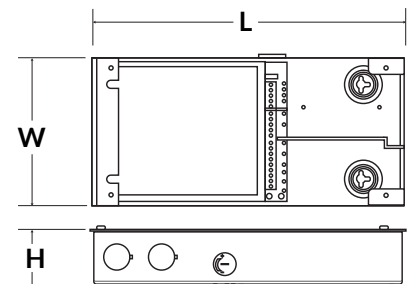


**LUTRON HI-LUME PREMIER 0.1% DIMMABLE ELECTRONIC**



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.

