

SQUARE EXTRUSION + LED TAPELIGHT



5 YEAR
LIMITED
WARRANTY



SPECIFICATIONS

FINISH	Silver Anodized
LENS	Frosted
WATTAGE	0.75W/ft to 5.9W/ft
IP RATING	IP20, IP65 - rating applies to tapelight, see page 2 for details
CCT / COLOR	2200K - 5200K; RGB; tunable white; warm fade
BEAM SPREAD	114° 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	48 to 492 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 - 3 year limited

FEATURES & RECOMMENDED APPLICATIONS

Surface-mount extrusion with ribbed sides and a classic modern appearance. Versatile and ideal for general lighting, under cabinet, accents, displays, shelving, and signage.



PRODUCT: LLI-SQR-SF-H5.9W-30K-24V-96IN

SQUARE EXTRUSION + LED TAPELIGHT

ORDERING GUIDE

← PRODUCT CODE

PROFILE	1a. FINISH	1b. LENS	2. LED	3. IP RATING*	4. CCT / COLOR	5. LENGTH
LLI-SQR	S	F	2.5W	65	30K	48IN
	Silver	Frosted	WATTS/FT 0.75-5.9 W/ft	[blank] - IP20 65 - IP65	22K-52K Warm Fade Tunable White Static Color RGB	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]	[blank]
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-SQR-SF-2.5W-65-35K-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. IP RATING*	4. CCT / COLOR
H4.4W	[blank]	30K

For IP20, leave [blank].

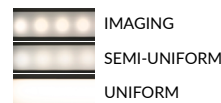
TECHNICAL DATA

	WATTAGE	DELIVERED LM/FT @ 30K^	FROSTED LENS APPEARANCE**	CRI	MAX. RUN	CUT POINTS*
T0.75W (White)	0.75 W/ft	48 lm/ft	UNIFORM	90+	26 ft	1"
1.5W (White)	1.5 W/ft	89 lm/ft	IMAGING	90+	60 ft*	3.9"
T1.5W (White)	1.5 W/ft	96 lm/ft	UNIFORM	90+	26 ft	1"
2.2W (White)	2.2 W/ft	118 lm/ft	IMAGING	90+	60 ft*	3.9"
2.5W (White)	2.5 W/ft	117 lm/ft	UNIFORM	90+	32 ft	2"
★ T2.5W (White)	2.5 W/ft	126 lm/ft	UNIFORM	90+	20 ft	1"
◆ WF3.5W (Warm Fade)	3.5 W/ft	149 lm/ft	SEMI-UNIFORM	90+	16 ft	2.5"
3.5W (White)	3.5 W/ft	167 lm/ft	SEMI-UNIFORM	90+	40 ft	2.5"
TW2.7W (Tunable White)	2.7 W/ft	173 lm/ft	UNIFORM	90+	26 ft	3.3"
4.4W (White)	4.4 W/ft	181 lm/ft	UNIFORM	90+	32 ft	2"
★ CB4.6W (White COB)	4.6 W/ft	214 lm/ft	UNIFORM	90+	16 ft	2"
★ H3.5W (White)	3.5 W/ft	224 lm/ft	UNIFORM	90+	26 ft	2.5"
★ T5.0W (White)	5.0 W/ft	243 lm/ft	UNIFORM	90+	13 ft	1"
★ H4.4W (White)	4.4 W/ft	289 lm/ft	UNIFORM	90+	32 ft	2"
★ R5.4W (White, High R9)	5.4 W/ft	289 lm/ft	UNIFORM	95+	16 ft	1"
TW5.3W (Tunable White)	5.3 W/ft	302 lm/ft	UNIFORM	90+	16 ft	3.3"
H5.3W (White)	5.3 W/ft	421 lm/ft	UNIFORM	90+	16 ft	2"
★ HO5.9W (White)	5.9 W/ft	492 lm/ft	UNIFORM	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	UNIFORM	—	32 ft	2"
CC4.4W (RGB)	4.4 W/ft	65 lm/ft	IMAGING	—	32 ft	3.9"
★ TC4.4W (RGB)	4.4 W/ft	95 lm/ft	UNIFORM	—	16 ft	2"
★ CC5.9W (RGB)	5.9 W/ft	176 lm/ft	UNIFORM	—	32 ft	2.8"

* 1.5W and 2.2W IP65 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 llilighting.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.



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.

SQUARE 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



0.7" W x 0.4" H x 0.6" L

ADJUSTABLE MOUNTING CLIP



0.6" L x 0.9" W x 0.9" H

7-9. POWER FEED (OPTIONAL)

7.

LEAD TYPE

[blank]

8.

LEAD LENGTH

[blank]

9.

FEED TYPE

[blank]

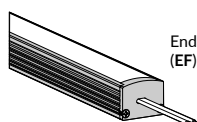
Default [blank] - 48" hard wire end feed (PWR48EF)

PWR Hard wire
MBC* Male barrel
FBC* Female barrel

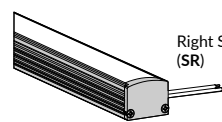
Enter desired wire
length in inches.

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

STANDARD 48" HARD WIRE END FEED INCLUDED
UNLESS OTHERWISE SPECIFIED



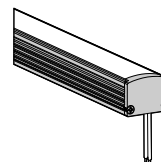
End Feed
(EF) - default



Right Side Feed
(SR)



Left Side Feed
(SL)



Rear Feed (RF)

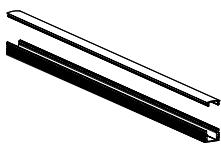
Hard wire, no connector -
default (PWR)

Male barrel connector
(MBC)*

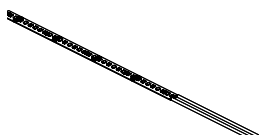
Female barrel connector
(FBC)*

*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

SQUARE 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

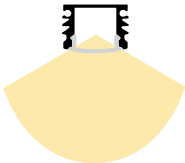
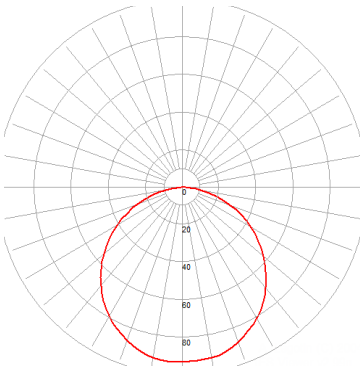
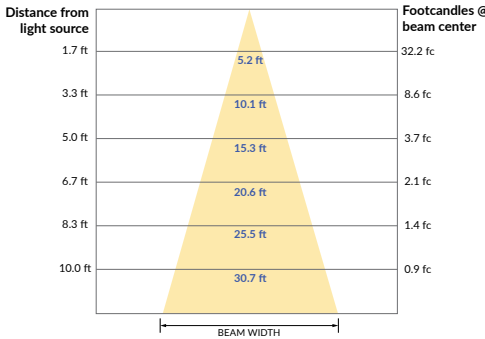
IP RATING	LUMEN MULTIPLIER
IP20	1
IP65	0.9

EXAMPLE: Extrusion with 2.2W, IP65, 5200K

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

118 lm/ft	x	1.25	x	0.9	=	133 lm/ft
-----------	---	------	---	-----	---	-----------

PHOTOMETRY

LLI-SQR-SF-H3.5W-30K-24V*		BEAM SPREAD	POLAR CHART	CONICAL CHART
POWER (W/ft)	3.5W	114° 		ILLUMINANCE AT A DISTANCE 
OUTPUT (lm/ft)	231 lm/ft			
COLOR TEMPERATURE	3000K			
BEAM SPREAD	114°			
EFFICACY (lm/W)	66 lm/W			

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

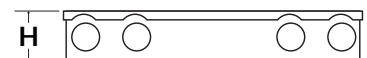
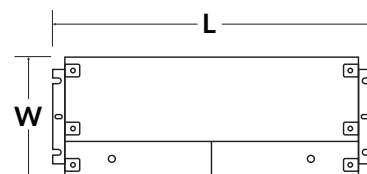
POWER SUPPLIES SOLD SEPARATELY

DIMMABLE ELECTRONIC 0-10V

Optimal performance dims to 0%.*



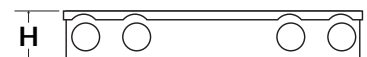
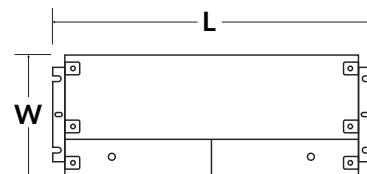
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-DE010-030W-24V-KO	30W	120V or 277V	24V	CLASS 2	IP66 WET	6.5"	3.6"	1.6"
LLI-PS-DE010-060W-24V-KO	60W	120V or 277V	24V	CLASS 2	IP66 WET	7.4"	3.6"	1.6"
LLI-PS-DE010-096W-24V-KO	96W	120V or 277V	24V	CLASS 2	IP66 WET	8.7"	3.7"	1.7"
LLI-PS-DE010-192W-24V-CL2-KO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

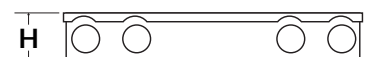
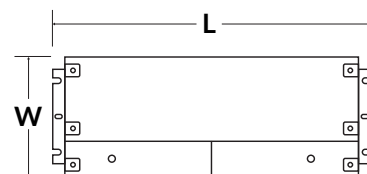


DIMMABLE ELECTRONIC FLICKER-FREE

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"

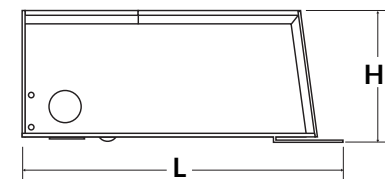
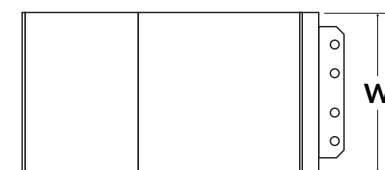


DIMMABLE MAGNETIC

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"

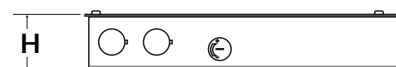
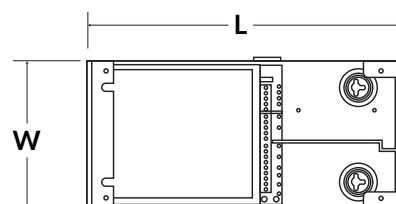


LUTRON HI-LUME PREMIER 0.1% DIMMABLE ELECTRONIC

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.

CONTROLS (SOLD SEPARATELY)
