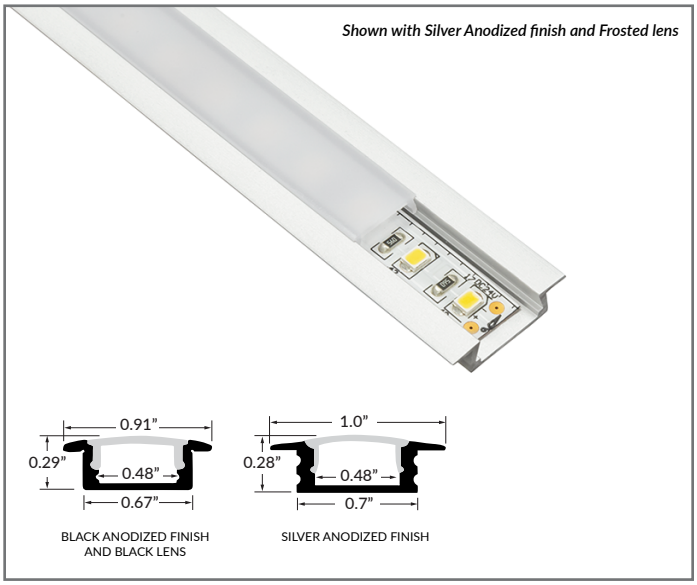
LLI ARCHITECTURAL LIGHTING

PROJECT	SPECIFIER
SKU	
QUANTITY	DATE

THIN FLANGED EXTRUSION + LED TAPELIGHT



5 YEAR LIMITED WARRANTY

DIMMABLE

ASSEMBLED IN THE USA

SPECIFICATIONS

FINISH	Silver Anodized, Black Anodized
LENS	Frosted, Clear, Black
WATTAGE	1.5W/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 ANGLE	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	145 to 806 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

Recessed-mount extrusion for sleek lighting with a minimalist profile. Good for accent, general, under cabinet, displays, shelving, signage.

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

LLI ARCHITECTURAL LIGHTING

THIN FLANGED EXTRUSION + LED TAPELIGHT

ORDERING GUIDE

← PRODUCT CODE

PROFILE	1a. FINISH	1b. LENS	2. LED	3. IP RATING	4. CCT / COLOR	INPUT	5. LENGTH
LLI-THF	S	F	2.2W	65	30K	24V	48IN
	Silver Black	Frosted Clear Black	WATTS/FT 1.5-5.9 W/ft	IP RATING [blank] - IP20 65 - IP65	22K-52K Warm Fade Tunable White 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 →

6. MOUNTING	POWER FEED 7. LEAD TYPE	8. LEAD LENGTH	9. FEED TYPE
[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 rear feed (PWR48RF) Refer to section 7 on the next page for an alternate power feed configuration.		

Example product code: **LLI-THF-SF-4.4W-65-35K-24V-48IN**

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

1. FINISH & LENS

1a. FINISH	
S	Silver Anodized finish
B	Black Anodized finish

1b. LENS	
F	Frosted lens
C	Clear lens
B+	Black lens (special order)+

+ *80% light loss factor*

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*
	1.5W (White)	20 / 65+	**22K / 27K / 30K / 35K / 42K / 52K**	1.5 W/ft	**145 lm/ft**	IMAGING	90+	60 ft+	3.9"
	T1.5W (White)	20 / 65	**22K / 27K / 30K / 35K / 42K / 52K**	1.5 W/ft	**157 lm/ft**	SEMI-UNIFORM	90+	26 ft	1"
★	**2.2W** (White)	20 / 65+	**22K / 27K / 30K / 35K / 42K / 52K**	2.2 W/ft	**193 lm/ft**	IMAGING	90+	60 ft+	3.9"
	2.5W (White)	20 / 65	**22K / 27K / 30K / 35K / 42K / 52K**	2.5 W/ft	**191 lm/ft**	IMAGING	90+	32 ft	2"
	T2.5W (White)	20 / 65	**22K / 27K / 30K / 35K / 42K / 52K**	2.5 W/ft	**206 lm/ft**	SEMI-UNIFORM	90+	20 ft	1"
♦	**WF3.5W** (Warm Fade)	20 / 65	**27D** (18-27K) / **30D** (18-30K)	3.5 W/ft	**219 lm/ft**	IMAGING	90+	16 ft	2.5"
	3.5W (White)	20 / 65	**22K / 27K / 30K / 35K / 42K / 52K**	3.5 W/ft	**243 lm/ft**	IMAGING	90+	40 ft	2.5"
	TW2.7W (Tunable White)	20 / 65	**1835** (18-35K) / **2235** (22-35K) / **2752** (27-52K)	2.7 W/ft	**283 lm/ft**	IMAGING	90+	26 ft	3.3"
★	**4.4W** (White)	20 / 65	**22K / 27K / 30K / 35K / 42K / 52K**	4.4 W/ft	**296 lm/ft**	IMAGING	90+	32 ft	2"
★	**CB4.6W** (White COB)	20	**27K / 30K / 35K / 40K**	4.6 W/ft	**350 lm/ft**	UNIFORM	90+	16 ft	2"
	H3.5W (White)	20 / 65	**22K / 27K / 30K / 35K / 42K / 52K**	3.5 W/ft	**397 lm/ft**	SEMI-UNIFORM	90+	32 ft	2.5"
	T5.0W (White)	20 / 65	**22K / 27K / 30K / 35K / 42K / 52K**	5.0 W/ft	**398 lm/ft**	SEMI-UNIFORM	90+	13 ft	1"
★	**H4.4W** (White)	20 / 65	**22K / 27K / 30K / 35K / 42K / 52K**	4.4 W/ft	**473 lm/ft**	SEMI-UNIFORM	90+	32 ft	2"
	R5.4W (White, High R9)	20 / 65	**22K / 27K / 30K / 35K / 42K / 52K**	5.4 W/ft	**473 lm/ft**	UNIFORM	95+	16 ft	1"
	TW5.3W (Tunable White)	20 / 65	**1835** (18-35K) / **2235** (22-35K) / **2752** (27-52K)	5.3 W/ft	**494 lm/ft**	IMAGING	90+	16 ft	3.3"
	H5.9W (White)	20 / 65	**27K / 30K / 35K / 42K / 52K**	5.9 W/ft	**693 lm/ft**	IMAGING	90+	32 ft	2.8"
★	**T5.9W** (White)	20 / 65	**27K / 30K / 35K / 42K / 52K**	5.9 W/ft	**806 lm/ft**	SEMI-UNIFORM	90+	20 ft	2"
	C2.2W (Static Color)	20 / 65	**RED / AMB / GRN / BLU**	2.2 W/ft	**N/A**	IMAGING	–	60 ft	3.9"
	C4.4W (Static Color)	20 / 65	**RED / AMB / GRN / BLU**	4.4 W/ft	**N/A**	IMAGING	–	32 ft	2"
	CC4.4W (RGB)	20 / 65	**RGB**	4.4 W/ft	**107 lm/ft**	IMAGING	–	32 ft	3.9"
★	**TC4.4W** (RGB)	20 / 65	**RGB**	4.4 W/ft	**156 lm/ft**	IMAGING	–	16 ft	2"
★	**CC5.9W** (RGB)	20 / 65	**RGB**	5.9 W/ft	**288 lm/ft**	IMAGING	–	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 llialighting.com/resources for more information.*

IMAGING
SEMI-UNIFORM
UNIFORM

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.

THIN FLANGED EXTRUSION + LED TAPELIGHT

ORDERING GUIDE (CONTINUED)

5. LENGTH

5. LENGTH
48IN

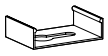
Enter overall extrusion length in inches. Maximum assembled length is 94in. Lengths over 94in are made with multiple sections, shipped unassembled. Overall Extrusion+LED tapelight length will be rounded down based on nearest LED tapelight cut point.

6. MOUNTING (OPTIONAL)

6. MOUNTING
[blank]

Default [blank] - Standard Clip

STANDARD MOUNTING CLIP INCLUDED UNLESS OTHERWISE SPECIFIED



0.70" W x 0.68" H x 0.56" L

7-9. POWER FEED (OPTIONAL)

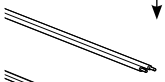
7. LEAD TYPE	8. LEAD LENGTH	9. FEED TYPE
[blank]	[blank]	[blank]

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

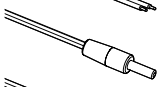
PWR Hard wire
MBC* Male barrel
FBC* Female barrel

Enter desired wire length in inches.

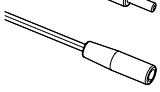
EF End Feed
RF Rear Feed



Hard wire, no connector - default (**PWR**)



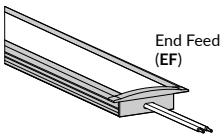
Male barrel connector (**MBC**)*



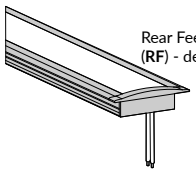
Female barrel connector (**FBC**)*

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

STANDARD 48" HARD WIRE REAR FEED INCLUDED UNLESS OTHERWISE SPECIFIED

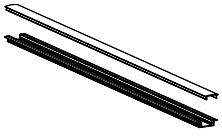


End Feed (**EF**)

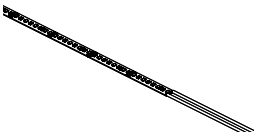


Rear Feed (**RF**) - default

WHAT'S INCLUDED



EXTRUSION WITH LENS



LED TAPELIGHT WITH POWER FEED

ENDCAPS

MOUNTING CLIPS

THIN FLANGED 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

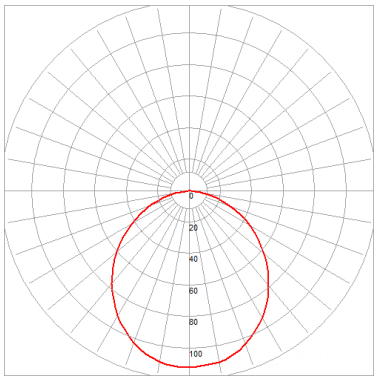
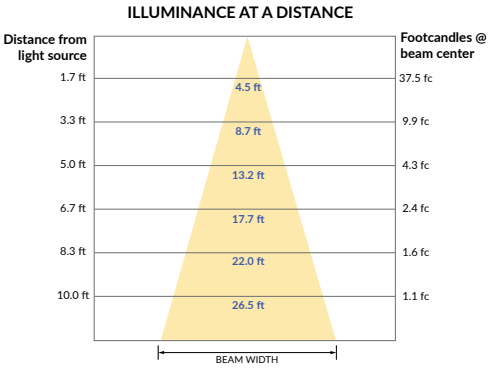
IP RATING	LUMEN MULTIPLIER
IP20	1
IP65	0.9

EXAMPLE: Extrusion with 2.2W, IP65, 5200K

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

191 lm/ft	*x*	*1.25*	*x*	*0.9*	=	*215 lm/ft*

PHOTOMETRY

LLI-THF-SF-4.4W-30K-24V*		BEAM SPREAD	POLAR CHART	CONICAL CHART
POWER (W/ft)	4.4W	105°		
OUTPUT (lm/ft)	296 lm/ft			
COLOR TEMPERATURE	3000K			
BEAM SPREAD	105°			
EFFICACY (lm/W)	68 lm/W			

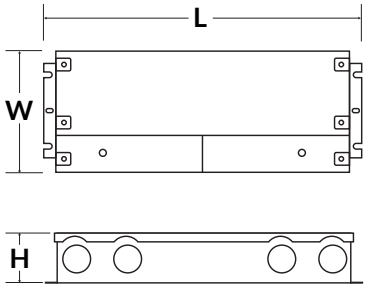
**Information for other options available upon request. IES files for extrusion+tapelight available upon request.*

POWER SUPPLIES **SOLD SEPARATELY**

DIMMABLE ELECTRONIC 0-10V

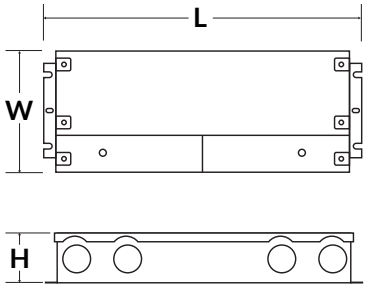
Optimal performance dims to 0%.*

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

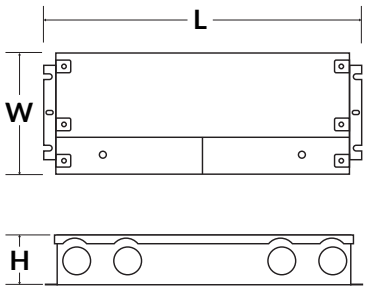
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-NDE-030W-24V-KO	30W	100-277V	24V	CLASS 2	IP66 WET	6.5”	3.5”	1.02”
LLI-PS-NDE-060W-24V-KO	60W	100-277V	24V	CLASS 2	IP66 WET	7.4”	3.5”	1.2”
LLI-PS-NDE-096W-24V-KO	96W	100-277V	24V	CLASS 2	IP66 WET	8.7”	3.7”	1.7”
LLI-PS-NDE-200W-24V-KO	200W	100-277V	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%.

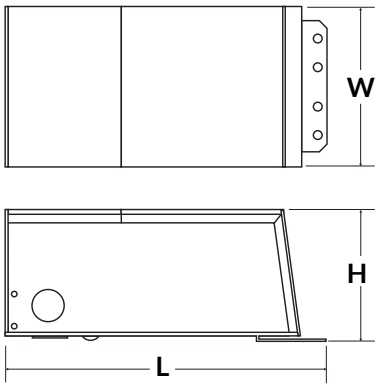
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-UDEFF-030W-24V-KO	30W	110-277V	24V	CLASS 2	IP66 WET	6.5”	3.6”	1.0”
LLI-PS-UDEFF-060W-24V-KO	60W	110-277V	24V	CLASS 2	IP66 WET	7.4”	3.6”	1.0”
LLI-PS-UDEFF-096W-24V-KO	96W	110-277V	24V	CLASS 2	IP66 WET	8.7”	3.7”	1.6”
LLI-PS-UDEFF-200W-24V-KO	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%.*

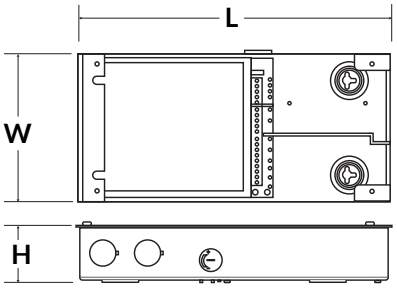
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-DM-020W-24V-KO	20W	120V or 277V	24V	CLASS 2	NEMA 3R WET	7.38”	2.11”	1.60”
LLI-PS-DM-040W-24V-KO	40W	120V or 277V	24V	CLASS 2	NEMA 3R WET	7.38”	2.11”	1.60”
LLI-PS-DM-060W-24V-KO	60W	120V or 277V	24V	CLASS 2	NEMA 3R WET	8.13”	3.93”	1.59”
LLI-PS-DM-100W-24V-KO	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.*

CONTROLS (SOLD SEPARATELY)

Click here or visit www.llialighting.com/C/23/controls for a summary of available options:

- RF Decoders
- RF Controls
- DMX Decoders
- DMX Controls