1600 Lumens/Sheet Flexible Sheet Light
Single-white lighting flexible sheet light for backlighting

5 YEAR WARRANTY

Fixture Cross-Section

Cut Lines

18-1/2" (470 mm)

12" (300 mm)

3/4" (19 mm)

3/4" (19 mm)

Actual Size

Cut Lines

Top View

24V Ordering Information

Kelvin Temperature	Dimensions	Lumens Per Sheet	Watts Per Sheet	Cuttable Sections	Part Number
3000K, 4000K, 5000K	12" x 18-1/2" (300 mm x 470 mm)	1600	16	3/4" x 3/4" (19 mm x 19 mm)	L-FSL2-16W-Temp

Blue indicates dealer choice: **Temp** indicates Kelvin temperature. L-FSL2-16W-30 (Example part number for Flexible Sheet Light in 3000K Kelvin temperature)

ABOUT THE PRODUCT

• 400 diodes per sheet
• Sheet can be cut every 3/4" on copper solder pads
• Bumper/spacers recommended (order separately)
• 24-volt DC power supply required (order separately)
• Designed for indoor application
• Dimmable (with compatible dimmer)
• No Ultraviolet (UV) or Infrared (IR)
• Compatible with WAV Smart Control™ devices

APPLICATIONS

Back-light for sign application

Illuminate translucent countertops

Architectural lighting

AVAILABLE CCT

| SOFT WHITE 3000K (30) | COOL WHITE 4000K (40) | DAYLIGHT WHITE 5000K (50) |

LUMEN OUTPUT

HIGHER

TECHNICAL INFORMATION

Input Voltage	24-volts
Color Temperature Options (Kelvin)	Soft White 3000K (30) Cool White 4000K (40) Daylight White 5000K (50)
CRI (Color Rendering Index)	90+
LED Type	SMD2835
Lumens	1600 lumens per sheet
Max Load Capacity	Refer to power supply specs
Max Run	5 continuous full sheets
Dimmable	5%–100%
Environmental Rating	IP20
Rating	cULus Listed – damp/wet environments
Rated Life	50,000 hrs life at 70% lumen maintenance
LED Beam Angle	120°
LED Spacing	3/4" center-to-center
Mounting	3M™ 300LSE adhesive tape (included on backside of sheet) or mountingscrews
Wiring	18—20 gauge wire
Operating Temperature	-13ºF to 113ºF (-25ºC to 45ºC)
Construction Material	Flexible PCBA (Flexible Printed Circuit Board)
Warranty	5 years

WAV Smart home compatible

c UL us LISTED UL Listed components

Installation Accessories

Description	Dimensions	Part Number
.56" rubber bumper/spacer; clear	1/2" x 3/4"	L-FSL-B-.56-CL
.75" rubber bumper/spacer; clear	3/4" x 3/4"	L-FSL-B-.75-CL

Compatible Power Supplies

Description	Dimensions	Part Number
24-watt, 24-volt, AC/DC 2 prong plug-in, 1-amp. Class 2 rated.	2-15/16" x 1-3/16" x 1-13/16"	T-24V-24W-PI
60-watt, 24-volt, AC/DC 2 prong plug-in, 2.5-amp. Class 2 rated.	3-11/16" x 1-7/8" x 1-5/16"	T-24V-60W-PI
120-watt, 24-volt, AC/DC 2 prong plug-in, 5-amp.	3-3/4" x 2" x 1-5/16"	T-24V-120W-PI
60-watt, 24-volt IP67 rated waterproof LED hardwired. Class 2 rated.	6-3/8" x 1-5/8" x 1-1/4"	T-24-60W-WP-HW
150-watt, 24-volt IP67 rated waterproof LED hardwired. Class 2 rated.	7-1/2" x 2-1/2" x 1-1/2"	T-24-150W-WP-HW
75-watt, 24-volt DC RF CV hardwired with built-in wireless receiver.	8-1/2" x 4-1/2" x 1-1/4"	T-DQ75W-24V-HW
30-watt, 24-volt, dimmable hardwired. Class 2 rated.	6-1/2" x 1-5/8" x 1-1/4"	T-24V-DT30W-HW
60-watt, 24-volt, dimmable hardwired. Class 2 rated.	7-3/8" x 2-3/8" x 1-1/2"	T-24V-DT60W-HW
120-watt, 24-volt, dimmable hardwired. Class 2 rated.	7-1/4" x 2-7/8" x 1-5/8"	T-24V-DT120W-HW

Compatible Dimming System/Sensors/Switches
Sensors and switches must be wired before the wired controller or receiver to function properly.

Description	Dimensions	Part Number
One Zone LED controller. On/off/dim. Use with LED Receiver.	2-5/8" x 1-5/16" x 3/8"	T-Q-1Z-WC-RF-Color
Two Zone LED controller. On/off/dim. Use with LED Receiver.	2-5/8" x 1-5/16" x 3/8"	T-Q-2Z-WC-RF-Color
Four Zone LED controller. On/off/dim. Use with LED Receiver.	2-5/8" x 1-5/16" x 3/8"	T-Q-4Z-WC-RF-Color
96-watt receiver for single-white lighting. Use one receiver per zone and pair with a wireless controller.	3-7/8" x 1-13/16" x 13/16"	T-Q-WR96
240-watt receiver for single-white lighting. Use one receiver per zone and pair with a wireless controller.	7" x 1-13/16" x 7/8"	T-Q-WR240
WAV 120-watt smart LED Receiver. Use with a Wireless Controller.	4-1/4" x 2-1/4" x 3/8"	T-TWAV-WR-120
Infrared (IR) door sensor switch.	3/8" x 1" x 1-1/4"	T-DSS-30W-IR
Infrared (IR) door sensor switch **with two heads.**	3/8" x 1" x 1-1/4"	T-2HDSS-30W-IR
Doppler motion sensor switch	3-7/8" x 1-13/16" x 13/16"	T-MSS-D-TS
Motion sensor switch.	1/2" x 2-1/4"	T-MSS-60W
Infrared (IR) sensor proximity switch.	2-1/4" x 3/8"	T-PSS-60W-IR
LED touch dimmer.	3/8" x 2" x 2"	T-TDS-60W
Recessed LED touch dimmer.	2-1/4" x 29/64"	T-TDS-R
Infrared (IR) wave sensor switch.	2-1/4" x 3/8"	T-WSS-60W-IR
600W Diva slide dimmer. Available in Almond (AL), Black (BK), Brown (BR), Grey (GR), or White (WT)	4-11/16" x 2-15/16" x 1-5/16"	DVLV-600P-Color
On/off round switch.	15/16"	T-RS-BK
Decora style cover plate to fit over Wireless Controller on wall. Available in Almond (AL), Black (BK), Brown (BR), Grey (GR), or White (WT).	4-11/16" x 2-15/16" x 11/16"	T-DPL-Color

Connectors

Description	Dimensions	Part Number
EZ screw-down tape-to-wire connector; black; 6-pack	3/4" x 7/16" x 5/16"	L-EZV2-6PK-BK
EZ screw-down tape-to-wire connector; black; 100-pack	3/4" x 7/16" x 5/16"	L-EZV2-100PK-BK
EZ screw-down tape-to-wire connector; white; 6-pack	3/4" x 7/16" x 5/16"	L-EZV2-6PK-WT
EZ screw-down tape-to-wire connector; white; 100-pack	3/4" x 7/16" x 5/16"	L-EZV2-100PK-WT
EZ screw-down tape-to-tape connector; white; 6-pack	1" x 3/8" x 5/16"	L-EZL2L-6PK-WT
Flexible EZ screw-down connector with 4" wire in between connectors for corners; white; 3-pack	4-29/32" x 7/16" x 5/16"	L-8MM-FLEX3PK-W
Female plug connector.	6-1/2" overall length	T-FPC
Male plug connector.	6-1/2" overall length	T-MPC
Female barrel to screw-down connector.	1-9/16" x 9/16" x 1/2"	T-FBC
Male barrel to screw-down connector.	1-9/16" x 9/16" x 1/2"	T-MBC
EZ wire-to-wire connector.	13/16" x 11/16" x 5/16"	T-EZWC
DC 3-way splitter plug.	16" overall; 8" length/splice	T-3WSP
White 9-amp wire distribution block.	15/16" x 2-5/16" x 3/8"	T-WDB-W
White mini junction wire box.	2" x 1" x 5/8"	T-JB-W

Optional Components

Description	Dimensions	Part Number
90" Plastic wire manager, available in Black (BK) and White (WT).	90" x 3/4" x 3/8"	T-WM-90-Color
Elbow connector to use with wire manager, available in Black (BK) and White (WT).	1-1/2" x 1-1/2" x 1/2"	T-WM-EC-Color
In-line splice connector to use with plastic wire manager, available in Black (BK) and White (WT).	1" x 7/8" x 7/16"	T-WM-ISC-Color
Amplifier used to boost signal	7" x 1-13/16" x 7/8"	T-AMP-180W

Wire

Description	Dimensions	Part Number
20/2 AWG stranded wire, 25 ft. spool	1/8" (3 mm)	T-CW20G-STR-25
20/2 AWG stranded wire, 50 ft. spool	1/8" (3 mm)	T-CW20G-STR-50
20/2 AWG stranded wire, 100 ft. spool	1/8" (3 mm)	T-CW20G-STR-100
20/2 AWG stranded wire. Specify the number of feet needed. Sold per foot. Order minimum is 2 ft.	1/8" (3 mm)	T-CW20G-STR-1
20/2 AWG solid wire, 25 ft. spool	1/8" (3 mm)	T-CW20G-SOL-25
20/2 AWG solid wire, 50 ft. spool	1/8" (3 mm)	T-CW20G-SOL-50
20/2 AWG solid wire, 100 ft. spool	1/8" (3 mm)	T-CW20G-SOL-100
20/2 AWG solid wire. Specify the number of feet needed. Sold per foot. Order minimum is 2 ft.	1/8" (3 mm)	T-CW20G-SOL-1