SSL
solid state luminaires

UNDERLINE XL

24V DC
ONLY

The UNDERLINE XL is Solid State Luminaires next generation ultra-low profile under-cabinet luminaire. **UNLXL** provides additional features to our existing product set. With 2 times the lumen output - up to 650 lumens/foot and incorporating an integrated mounting system for easy installation and advanced accessories for a variety of mounting options. Mounting detail allows up to 90 degrees of rotation. UNDERLINE XL comes in either 12", 20", or 39" lengths and 3000K or 4000K color temperatures. The housing is constructed of extruded anodized aluminum for interior use only and comes in standard white finish. The fixture features Plug N' Play connectors for easy installation along with a fully functional motion sensor accessory to enhance your control capabilities.

SPECIFICATIONS

PHYSICAL

beam spread	180°
LEDs per foot	**UNLXL-1:** 42 **UNLXL-2:** 72 **UNLXL-3:** 144
lengths/dimensions	**UNLXL-1:** 12"L x 1.3" W x 0.3" Deep **UNLXL-2:** 20"L x 1.3" W x 0.3" Deep **UNLXL-3:** 39"L x 1.3" W x 0.3" Deep
weight	1 foot (.25 lbs) 4 foot (1.0 lbs)
housing	Extruded anodized aluminum; white standard with black option
lens	Clear semi-diffused lens
mounting	Integral surface mount bracket adjustable to 45° and 90° locking positions
ingress protection	Dry interior locations IP20 rated
fixture connections	Daisy chain with male and female plug and play connectors

PERFORMANCE

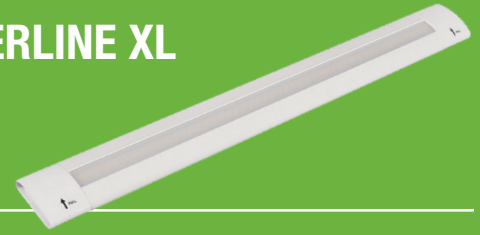|		
color temperature	3000K	4000K
lumen output [Dimming]	540 lm / per foot	650 lm / per foot
lifetime	> 60,000 hours / L70 or better	
color consistency	3 SDCM / 84CRI	
temperature	-4°F to 104°F (-20°C to 40°C)	
junction temperature	62°C @ T^A 25°C	
warranty	3 Year limited warranty (refer to website for details)	

ELECTRICAL

input voltage	24V DC (only)
power supply	Class II 36W PPS 24V DC (2 Amps), see Accessories for dimmable, 120V–277V power supplies (Use of non-SSL Power Supply voids warranty.)
certification	cULus / CE
standards	UL-Class II / CE Class III / IES LM-79 / LM-80
power consumption	**UNLXL-1:** 6W **UNLXL-2:** 12W **UNLXL-3:** 18W
controls	**Optional:** Dimmable 0-10V (available with UN power supply only)

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Ordering Information

PART NUMBERS

UNLXL			
MODEL	**LENGTH**	**CCT**	**OPTIONS**
UNLXL UNDERLINE XL	**1** 12 in [300mm]	**3K** 3000K	**BK** Black Housing
	2 20in [500mm]	**4K** 4000K	**(Leave Blank)** White Housing (Standard)
	3 39 in [1000mm]		

**Included with fixture:** Integral hinged bracket and screws. Consult installation instruction for **Maximum Run Length** = 36W of fixtures (See options and accessories.)

ACCESSORIES (Indicate the quantity needed for each item. Black is standard, a [-WH] in the part number indicates white)

_____ **SC-XL** (White) Straight Connector

_____ **CC3-XL** (White) Connector Cable (3 ft.)

_____ **4S-WH** White 4-Way Splitter

_____ **8S-WH** White 8-Way Splitter

_____ **PD-WH** White Portable Dimmer

_____ **PWR-XL** Power Button

_____ **PIRXL** PIR Motion Detector

_____ **TDE -WH** White Touch Dimmer Control

_____ **TDE-BK** Black Touch Dimmer Control

_____ **PPS-36W-WH** White Portable Power Supply (36W) _-120V only_

_____ **SSL-UN50i** 50W Power Supply - _UNV, 120V-277V_

_____ **SSL-UN50i-DIM** 0-10V Dimmable, 50W Power Supply - _UNV, 120V-277V_

_____ **SSL-UN50i-2CC** 50W Power Supply (2 Cords) - _UNV, 120V-277V_

_____ **SSL-UN100i** 100W Power Supply - _UNV, 120V-277V_

_____ **SSL-UN100i-DIM** 0-10V Dimmable, 100W Power Supply - _UNV, 120V-277V_

_____ **SSL-UN100i-2CC** 100W Power Supply (2 Cords) - _UNV, 120V-277V_

_____ **SSL-UN100i-2CCDIM** 0-10V Dimmable100W Power Supply (2 Cords) - _UNV, 120V-277V_

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Specification Sheet

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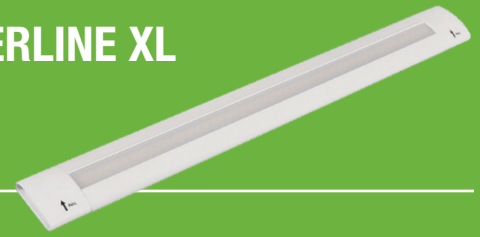
Dimensions

STANDARD DIMENSIONS

	1 ft	2 ft	3 ft
length	12" L	20" L	39" L
width	1.3" W	1.3" W	1.3" W
height	.375" D	.375" D	.375" D

12" / 20" / 39"

1.3"

.375"

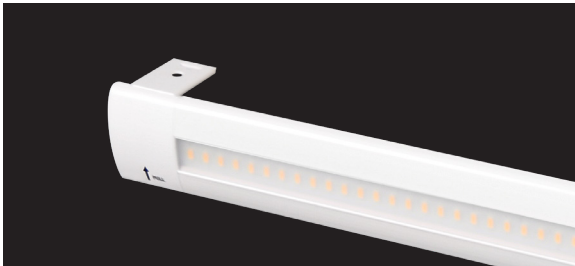## CONNECTOR DIMENSIONS

.625"

1.5"
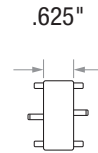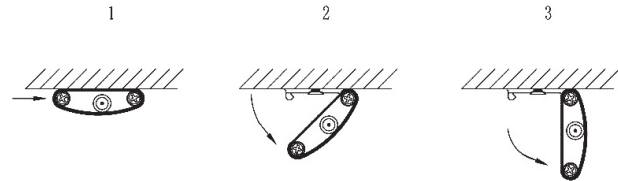
Straight Connector
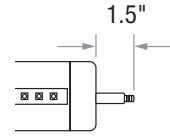
Cord Allowance
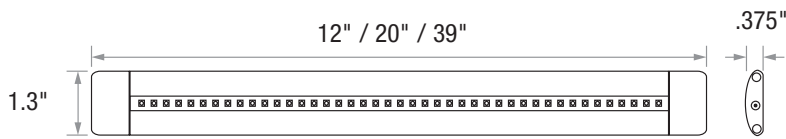
MOUNTING

Integral Adjustable Mounting Bracket

1   2   3
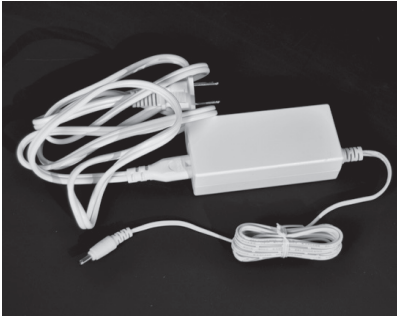
Screw bracket to fixture and adjust to desired angle.

Performance	Connected	Lumens	
Model	Wattage	3000K	4000K
UNLXL-1	6	540	650
UNLXL-2	12	1080	1300
UNLXL-3	18	1620	1850

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Accessories
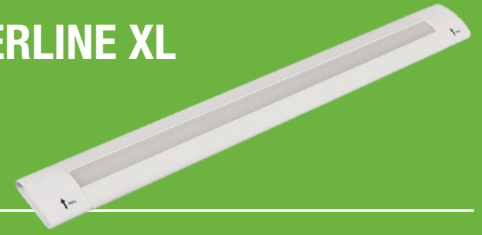
POWER SUPPLY

PPS   Portable Power Supply *(120V only)*

The following table illustrates how many fixtures each listed power supply can power.

Portable Power Supply (120V only)	UNLXL-1 (1 ft)	UNLXL-2 (2 ft)	UNLE-3 (3 ft)
36W Power Supply (Cord Lengths: 58" input/PPS & 58" output)	6 = 36W	3 = 36W	2 = 36W

SAFETY INFORMATION
The **UNDERLINE edge** is for indoor use only.
The LED module is not protected against short circuits, overload or overheating. Therefore you must use an electronically stabilized power supply that offers protection against the previously mentioned safety risks. Our power supplies are specifically designed with protection features for safe operation.
WARNING: If a non Solid State Luminaires power supply is used to power the fixtures, the manufacturer warranty will be voided.

UN POWER SUPPLY

UNPower Supply (Interior Only): *UNV, 120V-277V*
UN50i / UN50i-2CC / UN100i / UN100i-2CC

The following table illustrates how many fixtures each listed power supply can power. *(Max 36W / segment)*

Power Supply (UNV, 120V-277V)	UNLE-1 (1 ft)	UNLE-2 (2 ft)	UNLE-3 (3 ft)
UN50W Power Supply	8 = 48W	4 = 48W	2 = 36W
UN100W Power Supply	16 = 96W	8 = 96W	4 = 72W

Dimensions - Length (11.2in) Width (5.2in) Height (2.1in)
Weight - 2.85Lbs
Add **DIM** option for 0-10V dimming capability.

ACCESSORIES - AVAILABLE IN BLACK (STANDARD) OR WHITE (-WH)
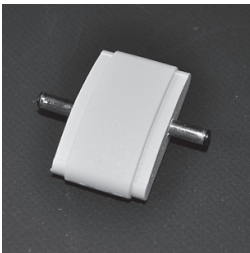
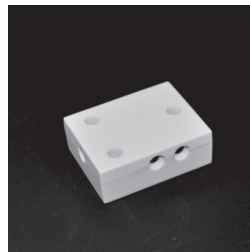**SCXL**   Straight Connector

TDXL   Touch Dimmer

PIRXL (Pull Down) PIR Motion Detector

CC   Connector Cable *(3' or 6')*

PWRXL   Power Button

4S   4-Way Splitter

PD   Portable Dimmer

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