



002XL Recessed Profile Linear Fixture – 101 Lumens Per Foot

Part Number	Profile Type	Wall Cabinet Width	Fixture Dimensions	Watts per Fixture	Lumens Per Fixture	Kelvin Temp.
LR1PX12V09-02WTemp	Recessed 002XL profile.	9"	6-5/8" x 7/8" x 1/2" (168 mm x 22 mm x 13 mm)	2	53	3000K (3) 4000K (4)
LR1PX12V12-02WTemp	Recessed 002XL profile.	12"	8-5/8" x 7/8" x 1/2" (219 mm x 22 mm x 13 mm)	2	69	3000K (3) 4000K (4)
LR1PX12V15-02WTemp	Recessed 002XL profile.	15"	12-9/16" x 7/8" x 1/2" (319 mm x 22 mm x 13 mm)	2	101	3000K (3) 4000K (4)
LR1PX12V18-03WTemp	Recessed 002XL profile.	18"	14-1/2" x 7/8" x 1/2" (368 mm x 22 mm x 13 mm)	3	116	3000K (3) 4000K (4)
LR1PX12V21-03WTemp	Recessed 002XL profile.	21"	18-7/16" x 7/8" x 1/2" (468 mm x 22 mm x 13 mm)	3	148	3000K (3) 4000K (4)
LR1PX12V24-03WTemp	Recessed 002XL profile.	24"	20-7/16" x 7/8" x 1/2" (519 mm x 22 mm x 13 mm)	3	164	3000K (3) 4000K (4)
LR1PX12V27-04WTemp	Recessed 002XL profile.	27"	24-3/8" x 7/8" x 1/2" (619 mm x 22 mm x 13 mm)	4	195	3000K (3) 4000K (4)
LR1PX12V30-04WTemp	Recessed 002XL profile.	30"	26-5/16" x 7/8" x 1/2" (668 mm x 22 mm x 13 mm)	4	211	3000K (3) 4000K (4)
LR1PX12V33-05WTemp	Recessed 002XL profile.	33"	30-1/4" x 7/8" x 1/2" (768 mm x 22 mm x 13 mm)	5	242	3000K (3) 4000K (4)
LR1PX12V36-05WTemp	Recessed 002XL profile.	36"	32-1/4" x 7/8" x 1/2" (819 mm x 22 mm x 13 mm)	5	258	3000K (3) 4000K (4)
LR1PX12V39-05WTemp	Recessed 002XL profile.	39"	36-3/16" x 7/8" x 1/2" (919 mm x 22 mm x 13 mm)	5	290	3000K (3) 4000K (4)
LR1PX12V42-06WTemp	Recessed 002XL profile.	42"	38-1/8" x 7/8" x 1/2" (968 mm x 22 mm x 13 mm)	6	305	3000K (3) 4000K (4)
LR1PX12V45-06WTemp	Recessed 002XL profile.	45"	42-1/16" x 7/8" x 1/2" (1068 mm x 22 mm x 13 mm)	6	337	3000K (3) 4000K (4)
LR1PX12V48-06WTemp	Recessed 002XL profile.	48"	44-1/16" x 7/8" x 1/2" (1119 mm x 22 mm x 13 mm)	6	353	3000K (3) 4000K (4)

Blue indicates dealer choice. Temp indicates Kelvin Temperature.

LR1PX12V09-02W30 (Example part number for 12V Radiance Series, Recessed 002XL Profile for a 9" cabinet, Soft White 3000K Kelvin temperature)

COMPATIBLE POWER SUPPLIES

PART NUMBER	DESCRIPTION	DIMENSIONS
T-12W-12V-PI	12 watt AC/DC 2 prong plug-in, 12 volt DC 1 AMP. Class 2 rated.	2-15/16" x 1-3/16" x 1-13/16"
T-24W-12V-PI	24 watt AC/DC 2 prong plug-in, 12 volt DC 2 AMP. Class 2 rated.	3-11/16" x 1-7/8" x 1-5/16"
T-36W-12V-PI	36 watt AC/DC 2 prong plug-in, 12 volt DC 3 AMP. Class 2 rated.	3-3/4" x 2" x 1-5/16"
T-60W-12V-PI	60 watt AC/DC 2 prong plug-in, 12 volt DC 5 AMP. Class 2 rated.	5-1/8" x 2-1/16" x 1-1/4"
T-96W-12V-PI	96 watt AC/DC 3 prong plug-in, 12 volt DC 8 AMP.	5-1/2" x 2-3/8" x 1-3/8"
T-120W-12V-PI	120 watt AC/DC 3 prong plug-in, 12 volt DC 10 AMP.	6-3/8" x 2-11/16" x 1-1/4"
T-60W-12-WP-HW	60 watt, 12 volt IP67 rated waterproof LED hardwired. Class 2 rated.	6-1/2" x 1-5/8" x 1-1/4"
T-150W-12-WP-HW	150 watt, 12 volt IP67 rated waterproof LED hardwired.	7-3/8" x 2-3/8" x 1-1/2"
T-DT24W-12V-HW	24 watt 12 volt DC dimmable LED hardwired. Class 2 rated.	13-3/4" x 3" x 1-5/8"
T-DT48W-12V-HW	48 watt 12 volt DC dimmable LED hardwired. Class 2 rated.	13-3/4" x 3" x 1-5/8"
T-DT60W-12V-HW	60 watt 12 volt DC dimmable class 2 LED hardwired. Class 2 rated.	13-3/4" x 3" x 1-5/8"
T-DT120W-12V-HW	120 watt 12 volt DC dimmable LED hardwired.	15" x 3-1/8" x 2-1/2"
T-WAV-60W-PSR	60 watt AC/DC 2 prong plug-in, 12 volt DC 5 AMP with built in smart LED receiver. Class 2 rated.	7-1/4" x 2-7/8" x 1-5/8"
T-320W-12V-HW	320 watt 12 volt indoor industrial hardwired	8-1/2" x 4-1/2" x 2"

FEATURES

- 8 mm tape lighting pre-assembled in aluminum housing with frosted lens
- 18 diodes per foot
- Simple installation
- 90 CRI (Color Rendering Index – true color)
- No Ultraviolet (UV) or Infrared (IR)
- 30,000 hour LED life at 70% lumen maintenance
- 12 volt DC plug-in or hardwired power supply required (order separately)
- UL/cUL Listed
- Available in Soft White 3000K (3) or Cool White 4000K (4)

APPLICATIONS

- Under Cabinet
- Interior Cabinet
- Outdoor
- Fixed & Floating Shelves
- Display Cases
- Stairway Treads

TECHNICAL INFORMATION

Series	12V Radiance Linear Fixture Series
Input Voltage	12 volt DC
Color Temperature (Kelvin)	Soft white 3000K (30) Cool white 4000K (40)
CRI (Color Rendering Index)	90+
LED Type	SMD2835
Lumens	101 lumens per foot
Max Run	Refer to power supply specs
Dimmable	5% – 100%
Rating	cULus Listed
Rated Life	30,000 hrs
LED Beam Angle	120°
LED Spacing	3/8"
Mounting	Double Stick Tape (included)
Wiring	20/2 stranded
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Environment	Damp, Wet, Dry locations
Construction Material	Heat-resistant 8mm PCB, micro-waterproof spray silicone IP65 rated, extruded aluminum, polycarbonate (lens)
Warranty	5 years

COMPATIBLE DIMMING SYSTEMS / SWITCHES

PART NUMBER	DESCRIPTION	DIMENSIONS
T-Q-1Z-WC-RF-Color	Uno 1-Zone LED controller. On / Off / Dimmer. Use with LED Receiver.	2-5/8" x 1-5/16" x 3/8" (67 mm x 33 mm x 10 mm)
T-Q-2Z-WC-RF-Color	Duo 2-Zone LED controller. On / Off / Dimmer. Use with LED Receiver.	2-5/8" x 1-5/16" x 3/8" (67 mm x 33 mm x 10 mm)
T-Q-4Z-WC-RF-Color	Quattro 4-Zone LED controller. On / Off / Dimmer. Use with LED Receiver.	2-5/8" x 1-5/16" x 3/8" (67 mm x 33 mm x 10 mm)
T-TWAV-WR-120	WAV 120 watt smart LED Receiver. Use with a Wireless Controller.	4-1/4" x 2-1/4" x 3/8" (108 mm x 57 mm x 22 mm)
T-Q-WR96	96 watt LED Receiver. Use with a Wireless Controller.	3-7/8" x 1-13/16" x 13/16" (95 mm x 37 mm x 20 mm)
T-Q-WR240	240 watt LED Receiver. Use with a Wireless Controller.	7" x 1-13/16" x 7/8" (178 mm x 46 mm x 20 mm)
T-DSS-30W-IR	Infrared (IR) door sensor switch.	3/8" x 1" x 1-1/4" (10 mm x 25 mm x 32 mm)
T-2HDSS-30W-IR	Infrared (IR) door sensor switch with two heads.	3/8" x 1" x 1-1/4" (10 mm x 25 mm x 32 mm)
T-MSS-60W	Motion sensor switch.	1/2" x 2-1/4" (13 mm x 57 mm)
T-PSS-60W-IR	Infrared (IR) sensor proximity switch.	2-1/4" x 3/8" (57 mm x 10 mm)
T-TDS-60W	LED touch dimmer.	3/8" x 2" x 2" (10 mm x 51 mm x 51 mm)
T-WSS-60W-IR	Infrared (IR) wave sensor switch.	2-1/4" x 3/8" (57.15mm x 9.5 mm)
DVLV-600P-Color	600W Diva slide dimmer.	4-11/16" x 2-15/16" x 1-5/16" (119 mm x 75 mm x 135 mm)
T-RS-BK	On / off round switch.	15/16" (24 mm)
T-WAV-AC120V-R	WAV 120 volt AC/AC Smart Receiver.	1-3/4" x 1-3/4" x 13/16" (44 mm x 44 mm x 21 mm)

STRANDED WIRE

PART NUMBER	DESCRIPTION	OUTSIDE DIAMETER
T-CW20G-STR-25	25 ft. spool of 20/2 AWG 2 conductor, in-wall rated stranded wire.	1/8" (3 mm)
T-CW20G-STR-50	50 ft. spool of 20/2 AWG 2 conductor, in-wall rated stranded wire.	1/8" (3 mm)
T-CW20G-STR-100	100 ft. spool of 20/2 AWG 2 conductor, in-wall rated stranded wire.	1/8" (3 mm)
T-CW20G-STR-1	20/2 AWG 2 conductor, in-wall rated stranded wire. Specify the number of feet needed when ordering. Sold per foot. Must order a minimum of 2 ft.	1/8" (3 mm)

CONNECTORS

PART NUMBER	DESCRIPTION	DIMENSIONS
T-MBC	Male barrel to conductor screw-down connector. Use to add a female barrel connector to a pair of lead wires for connection to an LED light power supply or cable.	1-9/16" x 9/16" x 1/2" (40 mm x 14 mm x 13 mm)
T-FBC	Female barrel to conductor screw-down connector. Use in conjunction with male barrel connector to pair lead wires or to connect and rewire an LED light power supply cable.	1-9/16" x 9/16" x 1/2" (39 mm x 14 mm x 13 mm)
T-MPC	Male Plug Connector. Connect to output side of receiver for easy plug-and-play system.	6-1/2" overall length (165 mm)
T-FPC	Female Plug Connector. Connect to input side of receiver or into a Male Plug Connector for easy connection.	6-1/2" overall length (165 mm)
T-EZWC	EZ wire-to-wire connector. Must strip wire to insert into connector. Use to daisy chain fixtures in parallel runs or to connect around corners.	13/16" x 11/16" x 5/16" (20 mm x 18 mm x 8 mm)
T-3WSP	DC 3-way splitter plug. Use to connect multiple LED light fixtures to a dimming system.	16" overall length (406 mm) 8" length of one splice (203 mm)
T-JB-W	Mini plastic junction box for wires – white.	

ADDITIONAL (OPTIONAL) INSTALLATION COMPONENTS

PART NUMBER	DESCRIPTION	DIMENSIONS
L-APW-4298	3M™ adhesive promoter wipe – cleans the surface for a stronger tape lighting adhesive bond.	N/A
L-DSA200	164 ft. roll of waterproof 3M™ 300LSE high-bond adhesive tape for secure installation.	5/16" wide (8 mm)
T-AMP-180W	Use when powering more than 40 ft. of illumLED single color tape lighting or RGB multi-color tape lighting. An additional power supply will be needed to operate the amplifier. NOTE: Not compatible with TandemLED™ products.	7" x 1-13/16" x 7/8" (178 mm x 46 mm x 22 mm)
L-002XL-FR-90	002XL extra depth recessed aluminum housing 90° – Frosted (FR) lens. Compatible with illumLED 8 mm and 10 mm tape lighting for sturdy, dust-proof enclosure. This product is field-cuttable.	90" x 5/8" x 5/8" (2286 mm x 16 mm x 16 mm)

DECORA COVER PLATES

PART NUMBER	DESCRIPTION	DIMENSIONS
T-DPL-Color	Decora style cover plate to fit over Wireless Controller on wall. Use with TandemLED smart controller (T-T-1Z-WC-RF-Color), Uno 1-Zone Controller (T-Q-1Z-WC-RF-Color), Duo 2-Zone Controller (T-Q-2Z-WC-RF-Color), Quattro 4-Zone Controller (T-Q-4Z-WC-RF-Color), or RGB Controller (T-C-RGBWC-RF-Color) to install 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" (119 mm x 75 mm x 17 mm)