TandemLED™ TASK lighting

Linear Fixture TandemLED™ Series
Recessed Profile Linear Fixture

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LED Tape Lighting
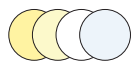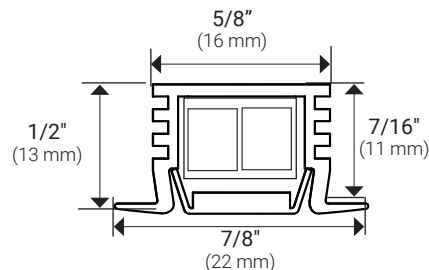**5 YEAR** WARRANTY

Accessories
3 YEAR WARRANTY

Tunable White Output

Patented* tunable white light –
tune from Warm White (2700K)
to Daylight White (5000K) and all
shades of white in between

5/8" (16 mm)
1/2" (13 mm)
7/16" (11 mm)
7/8" (22 mm)

002XL Recessed Profile Linear Fixture – 218 Lumens Per Foot

Part Number	Profile Type	Wall Cabinet Width	Fixture Dimensions	Watts per Fixture	Lumens Per Fixture	Kelvin Temperature
LT2PX24V09-03W	Recessed 002XL profile.	9"	5-1/8" x 7/8" x 1/2" (130 mm x 22 mm x 13 mm)	3	96	2700K – 5000K
LT2PX24V12-03W	Recessed 002XL profile.	12"	7-5/16" x 7/8" x 1/2" (186 mm x 22 mm x 13 mm)	3	137	2700K – 5000K
LT2PX24V15-04W	Recessed 002XL profile.	15"	11-11/16" x 7/8" x 1/2" (297 mm x 22 mm x 13 mm)	4	218	2700K – 5000K
LT2PX24V18-05W	Recessed 002XL profile.	18"	13-7/8" x 7/8" x 1/2" (352 mm x 22 mm x 13 mm)	5	259	2700K – 5000K
LT2PX24V21-06W	Recessed 002XL profile.	21"	18-3/16" x 7/8" x 1/2" (462 mm x 22 mm x 13 mm)	6	340	2700K – 5000K
LT2PX24V24-06W	Recessed 002XL profile.	24"	20-3/8" x 7/8" x 1/2" (518 mm x 22 mm x 13 mm)	6	380	2700K – 5000K
LT2PX24V27-07W	Recessed 002XL profile.	27"	22-9/16" x 7/8" x 1/2" (573 mm x 22 mm x 13 mm)	7	421	2700K – 5000K
LT2PX24V30-08W	Recessed 002XL profile.	30"	26-15/16" x 7/8" x 1/2" (684 mm x 22 mm x 13 mm)	8	503	2700K – 5000K
LT2PX24V33-09W	Recessed 002XL profile.	33"	29-1/8" x 7/8" x 1/2" (740 mm x 22 mm x 13 mm)	9	544	2700K – 5000K
LT2PX24V36-09W	Recessed 002XL profile.	36"	31-5/16" x 7/8" x 1/2" (795 mm x 22 mm x 13 mm)	9	585	2700K – 5000K
LT2PX24V39-10W	Recessed 002XL profile.	39"	35-11/16" x 7/8" x 1/2" (906 mm x 22 mm x 13 mm)	10	666	2700K – 5000K
LT2PX24V42-11W	Recessed 002XL profile.	42"	37-7/8" x 7/8" x 1/2" (962 mm x 22 mm x 13 mm)	11	707	2700K – 5000K
LT2PX24V45-11W	Recessed 002XL profile.	45"	40-1/16" x 7/8" x 1/2" (1018 mm x 22 mm x 13 mm)	11	748	2700K – 5000K
LT2PX24V48-12W	Recessed 002XL profile.	48"	44-7/16" x 7/8" x 1/2" (1129 mm x 22 mm x 13 mm)	12	830	2700K – 5000K

LT2PX24V48-12W *(Example part number for 24V TandemLED Series, Recessed 002XL Profile for a 48" cabinet)*

COMPATIBLE POWER SUPPLIES

PART NUMBER	DESCRIPTION	DIMENSIONS
T-24V-24W-PI	24 watt AC/DC 2 prong plug-in, 24 volt DC 1 AMP.	3-1/8" x 1-3/4" x 1-3/16" (79 mm x 44 mm x 31 mm)
T-24V-60W-PI	60 watt AC/DC 2 prong plug-in, 24 volt DC 2.5 AMP.	4-3/8" x 1-15/16" x 1-3/16" (111 mm x 49 mm x 30 mm)
T-24V-120W-PI	120 watt AC/DC 3 prong plug-in, 24 volt DC 5 AMP.	6-5/16" x 2-11/16" x 1-1/4" (161 mm x 68 mm x 33 mm)
T-24V-DT30W-HW	30 watt 24 volt DC dimmable class 2 LED hardwired.	13-13/16" x 3" x 1-1/2" (350 mm x 77 mm x 37 mm)
T-24V-DT60W-HW	60 watt 24 volt DC dimmable class 2 LED hardwired.	13-13/16" x 3" x 1-1/2" (350 mm x 77 mm x 37 mm)
T-24V-DT120W-HW	120 watt 24 volt DC dimmable class 2 LED hardwired.	15" x 3" x 2-1/4" (380 mm x 77 mm x 57 mm)

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LED Tape Lighting
5 YEAR WARRANTY

Accessories
3 YEAR WARRANTY

FEATURES

- 8 mm tape lighting pre-assembled in aluminum housing with frosted lens

- Tunable white light from Warm White to Daylight White and all shades of white in between

- Patented two-wire technology

- 88 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

- Achieves "no dot" effect with frosted lens

- 24-volt DC plug-in or hardwired power supply required (order separately)

- UL/cUL Listed

- Tune to Warm White 2700K (27) to Daylight White 5000K (50) and all white color temperatures in between

APPLICATIONS

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

TECHNICAL INFORMATION

Series	24V TandemLED Linear Fixture Series
Input Voltage	24-volt DC
Color Temperature (Kelvin)	Tune to Warm White 2700K (27) to Daylight White 5000K (50) and all white color temperatures in between
CRI (Color Rendering Index)	90+
LED Type	2110 CCT
Lumens	218 lumens per foot
Max Run	Refer to power supply specs
Dimmable	5% – 100%
Rating	UL/cUL Listed
Rated Life	30,000 hrs
LED Beam Angle	120°
LED Spacing	1/4"
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-T-1Z-WC-RF-Color	TandemLED wireless controller. Control 1-Zone of lights, tune the white color temperature of the lights, dim lights, and turn on / off.	2-5/8" x 1-5/16" x 3/8" (67 mm x 33 mm x 10 mm)
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-TIL-96	TandemLED Wired Controller	3-9/16" x 1-9/16" x 7/8"

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)

U.S. PATENTED 10,721,801

ASSEMBLED IN THE USA

24V

WAV Compatible

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)
L-002XL-FR-48	002XL extra depth recessed aluminum housing 48" – Frosted (FR) lens. Compatible with illumaLED 8 mm and 10 mm tape lighting for sturdy, dust-proof enclosure. This product is field-cuttable.	48" x 5/8" x 5/8" (1219 mm x 16 mm x 16 mm)
L-002XL-FR-90	002XL extra depth recessed aluminum housing 90" – Frosted (FR) lens. Compatible with illumaLED 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)