

LuxLine™ XT

SAME LUXLINE THAT YOU LOVE, ONLY BETTER!



120V TECHNOLOGY

LuxLine XT is built for power and endurance.

Operating at 120V, it enables extra-long runs without the need for frequent power connections, making it ideal for large-scale installations. Its advanced silicone sleeve enhances durability, ensuring reliable performance indoors and out. With LuxLine XT, efficiency meets longevity for seamless, high-output illumination.

PRODUCT FEATURES

- Architectural grade
- High-quality silicone construction rated for outdoor use (IP65)*
- Direct connection with line voltage (plug-in or hardwire) and driver-free installation ensures added savings
- Integral fuse ensures overvoltage protection
- ETL certification for USA and Canada, conforms to UL STD 2388, certified to CSA STD C22.2#37
- XT-500 – 500 lm/ft, runs up to 66 feet
- XT-300 – 320 lm/ft, runs up to 164 feet
- Can be cut every 4"
- Available in three colour temperatures: 2700K, 3000K, 3500K and 4000K at CRI 90+
- Wide selection of LumenTruss channels and extrusions for specialized applications and easy installation*
- Patent-pending PowerUp-DC technology available for the unique benefits of 120VDC, including driverless, flicker-free dimming using various protocols (e.g. 0-10V, MLV, ELV, Triac) and high-voltage applications (120-277VAC range)

*Not UL wet rated or IP65 rated inside an extrusion

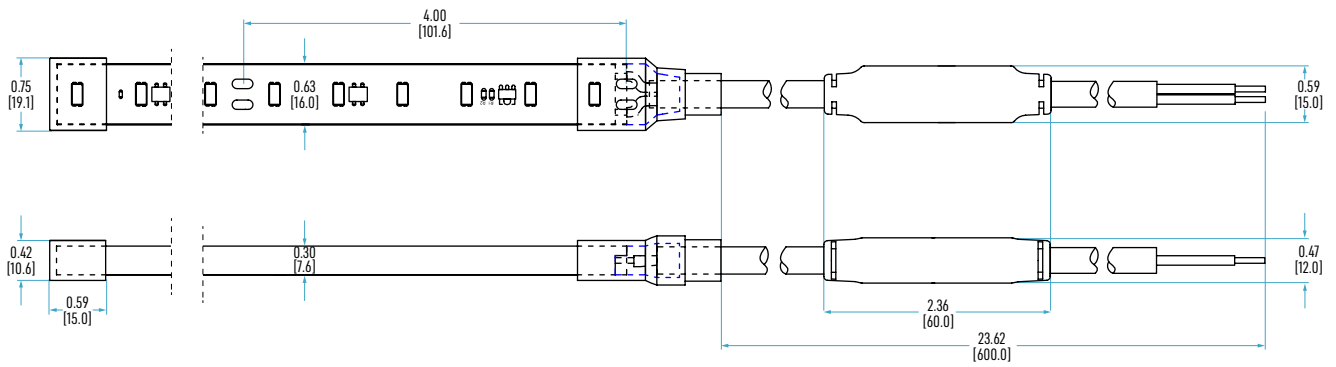
PARAMETERS



| Electrical | XT300 | | | | XT500 | | | |
|---|--|-----------|-----------|-----------|--|-----------|-----------|-----------|
| Voltage | 120V AC/DC | | | | 120V AC/DC | | | |
| CRI | 90+ | | | | 90+ | | | |
| Efficacy (nominal) | 80 lm/W | | | | 90 lm/W | | | |
| Rated power | 13.1 W/m | 4 W/ft | | | 18 W/m | 5.5 W/ft | | |
| Flux (nominal) | 1050 lm/m | 320 lm/ft | | | 1640 lm/m | 500 lm/ft | | |
| Physical | | | | | | | | |
| SMD type | 3056 | | | | 2835 | | | |
| Quantity of LED chips | 59 LED/m | 18 LED/ft | | | 104 LED/m | 32 LED/ft | | |
| LED strip increment | 101.6mm | 4" | | | 101.6mm | 4" | | |
| LED strip width | 16mm | 5/8" | | | 16mm | 5/8" | | |
| Max length | 49.99m | 164' | | | 20.12m | 66' | | |
| Luminous | 2700K | 3000K | 3500K | 4000K | 2700K | 3000K | 3500K | 4000K |
| Flux, Lm/m | 984 lm/m | 1050 lm/m | 1082 lm/m | 1115 lm/m | 1575 lm/m | 1640 lm/m | 1673 lm/m | 1706 lm/m |
| Flux, Lm/ft | 300 lm/ft | 320 lm/ft | 330 lm/ft | 340 lm/ft | 480 lm/ft | 500 lm/ft | 510 lm/ft | 520 lm/ft |
| Efficacy | 75 lm/W | 80 lm/W | 83 lm/W | 85 lm/W | 87 lm/W | 91 lm/W | 93 lm/W | 95 lm/W |
| Luminous intensity distribution diagram, Unit: cd | <p>Average beam angle (50%): 111.8 DEG</p> | | | | <p>Average beam angle (50%): 111.5 DEG</p> | | | |

DIMENSIONS

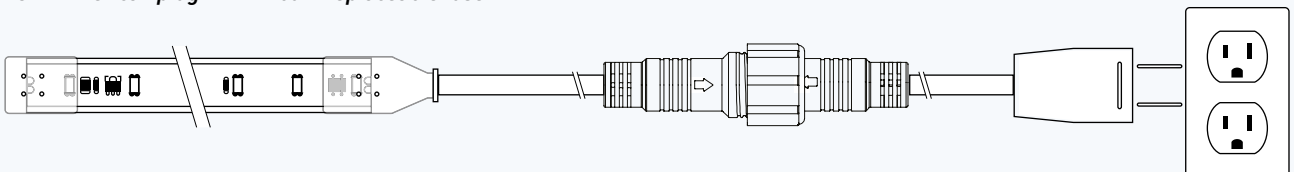
Scale 1:2



PLUG-IN AND HARDWIRE OPTIONS

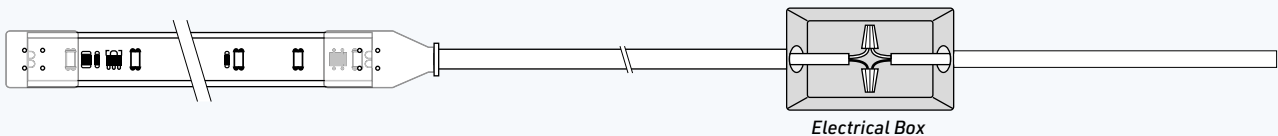
Plug-in Connection Diagram

North American plug with in-built replaceable fuse.

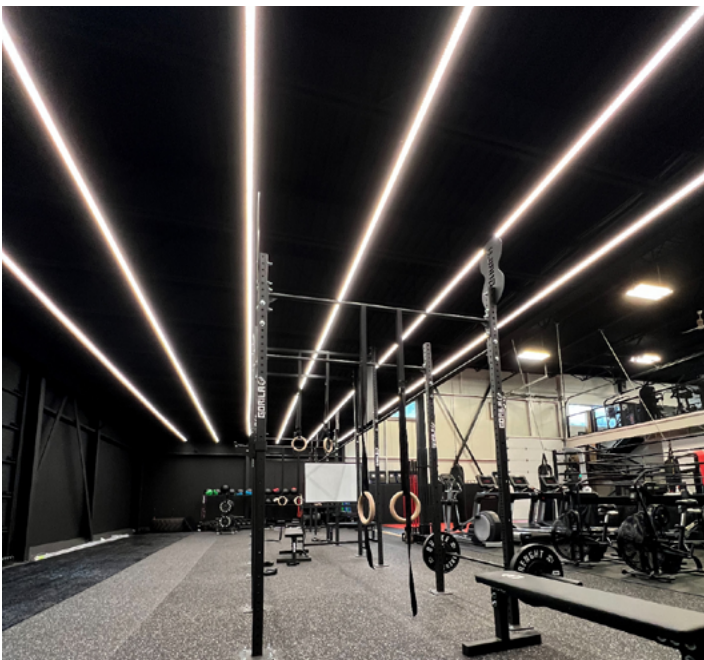


Hardwire Connection Diagram

NEW revolutionary hardwire connection with built-in fuse! Exclusive to LumenTruss.



LUXLINE XT APPLICATIONS



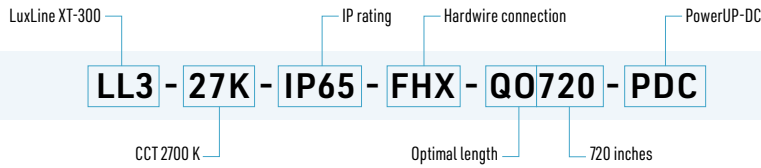
LUXLINE XT APPLICATIONS



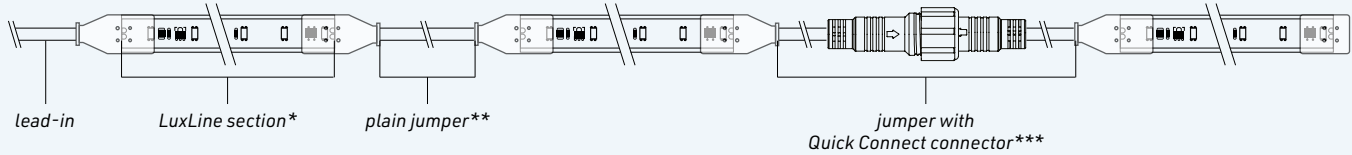
ORDERING SHEET (SIMPLE INSTALLATION - SINGLE RUN)

| | | | | | | |
|----------------------|-----------------|-----------------------|------------------------|-----------------------------|------------------------|-------------------------|
| 1 Platform | 2 CCT | 3 IP Rating | 4 Power Feed | 5 Exact / Optimal | 6 Length, in | 7 Voltage Hub |
| - | - | IP65 | - | QO | - | - |

| 1 LED PLATFORM | 2 CCT | 3 IP RATING* | 4 POWER FEED | 5 EXACT/OPTIMAL | 6 LENGTH | 7 VOLTAGE HUB |
|--|--|--|--|-----------------|--|--|
| LL3 - LuxLine XT-300, 120V 4 W/ft LL5 - LuxLine XT-500, 120V 5.5 W/ft | 27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K | IP65 - Outdoor rated, wet locations *not IP-rated or outdoor rated when installed inside an extrusion | FHX - Hardwire, 118" FPX - Plug-in, 47" | QO - Optimal | Increments of 4" (101.6mm). Maximum run cannot exceed: - XT300 - 164' (~50m) - XT500 - 66' (~20m) | PDC - PowerUP-DC PNO - No voltage hub |



ORDERING SHEET (COMPLEX INSTALLATION - MULTIPLE SECTIONS)



* Strip section length must be multiple of 4" and the combined total run must not exceed maximum indicated length. The assembly may contain up to 10 sections.

** Plain jumper (default option) min length 3", max length 79".

*** Quick Connect connector allows to install assembly in parts and connect them afterwards.

To choose the Quick Connect connector, check the checkbox next to the corresponding jumper section (cannot be used in corners).

| | | | | | | |
|----------------------|-----------------|-----------------------|------------------------|-----------------------------|------------------------|-------------------------|
| 1 Platform | 2 CCT | 3 IP Rating | 4 Power Feed | 5 Exact / Optimal | 6 Length, in | 7 Voltage Hub |
| - | - | IP65 | - | QO | CUSTOM | - |

| 1 LED PLATFORM | 2 CCT | 3 IP RATING* | 4 POWER FEED | 5 EXACT/OPTIMAL | 6 LENGTH | 7 VOLTAGE HUB |
|--|--|--|--|-----------------|--|--|
| LL3 - LuxLine XT-300, 120V 4 W/ft LL5 - LuxLine XT-500, 120V 5.5 W/ft | 27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K | IP65 - Outdoor rated, wet locations *not IP-rated or outdoor rated when installed inside an extrusion | FHX - Hardwire, 118" FPX - Plug-in, 47" | QO - Optimal | Increments of 4" (101.6mm). Maximum run cannot exceed: - XT300 - 164' (~50m) - XT500 - 66' (~20m) | PDC - PowerUP-DC PNO - No voltage hub |

| LEAD IN | SECTION 1 LED TAPE | JUMPER CONNECTOR | SECTION 2 LED TAPE | JUMPER CONNECTOR | SECTION 3 LED TAPE | JUMPER CONNECTOR | SECTION 4 LED TAPE | JUMPER CONNECTOR | SECTION 5 LED TAPE |
|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|---------------------|
| FHX / FPX | LENGTH | LENGTH | LENGTH | LENGTH | LENGTH | LENGTH | LENGTH | LENGTH | LENGTH |
| JUMPER CONNECTOR | SECTION 6 LED TAPE | JUMPER CONNECTOR | SECTION 7 LED TAPE | JUMPER CONNECTOR | SECTION 8 LED TAPE | JUMPER CONNECTOR | SECTION 9 LED TAPE | JUMPER CONNECTOR | SECTION 10 LED TAPE |
| LENGTH | LENGTH | LENGTH | LENGTH | LENGTH | LENGTH | LENGTH | LENGTH | LENGTH | LENGTH |

ORDERING SHEET (DIY VERSION - BULK PARTS)

LED STRIP

| LuxLine XT-300 | | | | |
|--------------------------|-----------------|------------|-------|----------|
| Product code | Length | LM-code | CCT | Quantity |
| LLXT300-27K-120V-4W-IP65 | 198 ft (~60.3m) | lm28502-01 | 2700K | |
| LLXT300-30K-120V-4W-IP65 | 198 ft (~60.3m) | lm28502-02 | 3000K | |
| LLXT300-35K-120V-4W-IP65 | 198 ft (~60.3m) | lm28502-03 | 3500K | |
| LLXT300-40K-120V-4W-IP65 | 198 ft (~60.3m) | lm28502-04 | 4000K | |

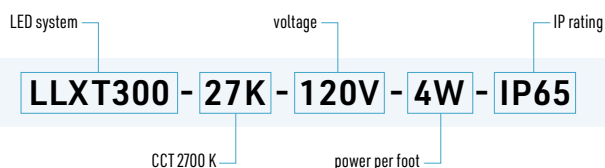
| LuxLine XT-500 | | | | |
|----------------------------|-----------------|------------|-------|----------|
| Product code | Length | LM-code | CCT | Quantity |
| LLXT500-27K-120V-5.5W-IP65 | 198 ft (~60.3m) | lm28502-05 | 2700K | |
| LLXT500-30K-120V-5.5W-IP65 | 198 ft (~60.3m) | lm28502-06 | 3000K | |
| LLXT500-35K-120V-5.5W-IP65 | 198 ft (~60.3m) | lm28502-07 | 3500K | |
| LLXT500-40K-120V-5.5W-IP65 | 198 ft (~60.3m) | lm28502-08 | 4000K | |

POWERUP-DC VOLTAGE HUB

| Product code | Power | LM-code | Quantity |
|----------------------------|-------|------------|----------|
| LTL-200W-UNV-120V-PH010-BK | 200W | lm42900-08 | |
| LTL-400W-UNV-120V-PH010-BK | 400W | lm42900-09 | |

ACCESSORIES

| Product code | LM-code | Quantity |
|---------------------|------------|----------|
| LuxLine bracket | lm28500-79 | |
| Silicone end cap | lm28502-09 | |
| DIY end cap | lm28500-83 | |
| DIY Kit, hardwire | lm28500-86 | |
| DIY Kit, plug-in | lm28500-87 | |
| DIY Kit, jumper 6" | lm28500-93 | |
| DIY Kit, jumper 12" | lm28500-94 | |

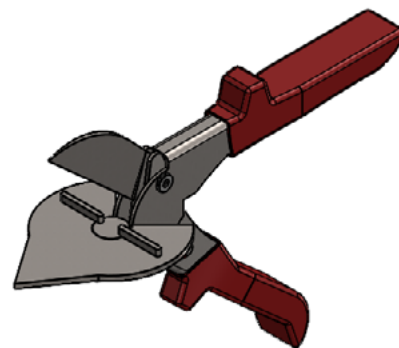


PRECISECUT

Precision Cutting, Every Time.




Take your installation to the next level with our professional-grade shear cutter. Engineered for precision, this tool delivers clean, effortless cuts on both LED tape and silicone sleeves, ensuring a flawless finish. With an adjustable cutting angle, it offers flexibility for custom applications while maintaining accuracy. The perfect add-on for seamless lighting integration.


Quantity:

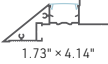
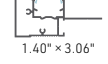
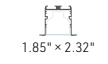

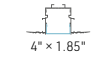


COMPATIBLE EXTRUSIONS AND DIFFUSORS

IMPORTANT: LuxLine XT is not IP-rated or outdoor rated when installed inside an extrusion

| SURFACE / SUSPENSION | OPTICS | | | |
|---|----------|-------|------|-------|
| | optiflex | prime | opal | black |
| 1450  0.925" x 1" | | V | V | V |
| 8800  1.65" x 1.65" | | V | V | V |
| 9400  1.63" x 1.63" | V | V | V | V |

| SURFACE PVC | OPTICS | | | |
|---|--------|-------|------|-------|
| | clear | prime | opal | black |
| 5840 (LuxSleeve)  0.87" x 0.47" | V | V | | |

| RECESS & MUD-IN | OPTICS | | | |
|---|----------|-------|------|-------|
| | optiflex | prime | opal | black |
| 6900  1.73" x 4.14" | | V | | |
| 6950  1.40" x 3.06" | | V | | |
| 8510  1.85" x 2.32" | | V | | |
| 8540  3" x 2.98" | | V | | |
| 8550  4" x 1.85" | | V | | |

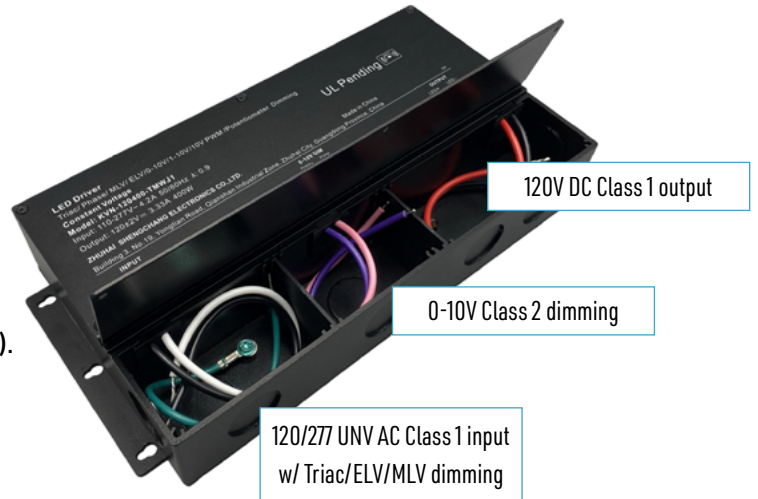
ELEVATING LED PERFORMANCE TO NEW HEIGHTS

Experience the next evolution in LED lighting with PowerUP-DC™ - an innovative voltage hub that unlocks the full potential of 120V DC technology. Designed for maximum efficiency, seamless dimming, and effortless integration, PowerUP-DC™ ensures superior performance in commercial and architectural applications.

Unique 120V DC benefits:

- **Universal Compatibility** - 120-277VAC input with 120V DC output
- **Flicker-Free Dimming** - supports multiple protocols, including 0-10V
- **Simplified Installation** - driverless DC control reduces costs and complexity
- **Expanded Design Freedom** - more flexibility for long, uninterrupted runs

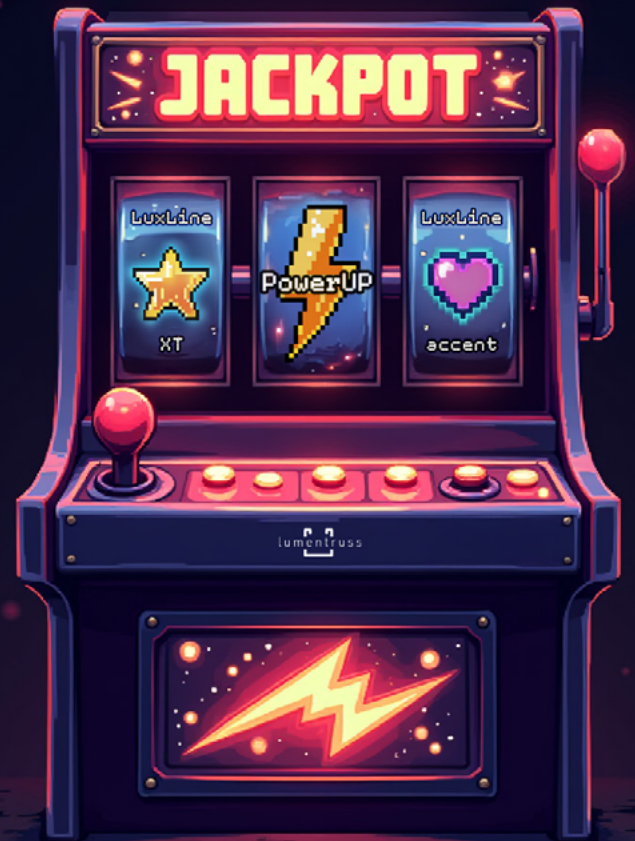
Exclusively compatible with LuxLine™ XT (500, 300) and LuxLine™ Accent (HB, VB).



POWERUP-DC™
THE NEW DREAM TEAM
FOR IMPROVED LED
PERFORMANCE!

ADVANCED LIGHTING TOOLS COMBINED WITH PIONEERING TECHNOLOGY.

UPGRADE YOUR SETUP AND HIT THE JACKPOT WITH LUXLINE & POWERUP-DC COMBO!



POWERUP-DC

| PowerUP-DC | | 200W | | | 400W | | |
|------------------------------|-------------------------------|--|------------------------------|---------------------|--|------------------------------|--------------------|
| Input | Voltage range | 110-277VAC | | | 110-277VAC | | |
| | THD (Typ.) | ≤6%@120V | ≤8%@277VAC | | ≤20%@120V | ≤20%@277V | |
| | AC Current (Max) | 1.86A@120VAC | 0.79A@277VAC | | ≤4.2A | | |
| | Frequency range | 47-63Hz | | | 47-63Hz | | |
| | Power Factor @ full load | 0.99@120VAC | 0.98@277VAC | | ≥0.98@120VAC | ≥0.95@277VAC | |
| | Efficiency @ full load | 92%@120VAC | 95%@277VAC | | ≥92%@120VAC | ≥94%@277VAC | |
| | Inrush Current (Typ.) | 65A@50% Ipeak 208us @120VAC | 102A@50% Ipeak 152us @277VAC | | 98A@50% Ipeak 660us @120VAC | 102A@50% Ipeak 800us @277VAC | |
| | Leakage current | <0.5mA | | | <0.5mA | | |
| Output | Dimming protocols | 0-10V, ELV, MLV, Triac | | | 0-10V, ELV, MLV, Triac | | |
| | Load Regulation | ±1% | | | ±1% | | |
| | Rated Current | 1.67A | | | 3.33A | | |
| | Rated Power | 200W | | | 400W | | |
| | DC Rated Voltage | 120V | | | 120V | | |
| | Voltage Tolerance | ±3% | | | ±2% | | |
| | Voltage Regulation | ±1% | | | ±0.5% | | |
| Protection | Short Circuit | Shut down o/p voltage, recovers automatically after fault condition is removed | | | Hiccup mode, recover automatically after fault condition is removed | | |
| | Over Load | ≥110% constant current mode, automatically recover after the fault is removed | | | ≤120% constant current or Hiccup mode, recovers automatically after fault condition is removed | | |
| | Over Temperature | When the ambient temperature exceeds 55°C ±5°C, the output turns off. The ambient temperature drops to 45°C ±5°C, and the output is automatically resumed. | | | Shell surface temp.100 ±10 shut down o/p voltage, automatically recover after cooling. | | |
| Environment | Operating Ambient Temperature | -40°C - +50°C | | | -40°C - +60°C | | |
| | Working Humidity | 20 - 95% RH non-condensing | | | 20 - 95% RH non-condensing | | |
| | Storage Temperature, Humidity | -40°C - +80°C, 10 - 95% RH non-condensing | | | -40°C - +80°C, 10 - 95% RH non-condensing | | |
| | Temperature Coefficient | ±0.02% / (0 - 50°C) | | | ±0.03% / (0 - 50°C) | | |
| | Vibration | 10 - 500Hz, 5G 12 minutes/cycle, X Y Z axis 72 minutes each | | | 10 - 500Hz, 5G 12 minutes/cycle, X Y Z axis 72 minutes each | | |
| Safety & EMC | Safety Standards | UL8750 CAN/CSA-C22.2 No.250.13 (US) | | | UL8750 (US) | | |
| | Withstand Voltage | I/P-FG:1.5KVAC US | | | I/P-FG:1.88KVAC (US) | | |
| | Isolation resistance | non-isolated | | | I/P-O/P:100MΩ / 500VDC / 25 / 70%RH | | |
| | EMC Emission | FCC Part15 Subpart B ANSI C63.4:2014 US | | | FCC Part 15, Subpart B; ANSI C63.4:2014 (US) | | |
| Weight & Dimensions | Net Weight | 1300g | | | 1800g | | |
| | Dimensions | 207.4 x 116 x 40mm (L x W x H) | | | 242 x 125 x 40mm (L x W x H) | | |
| Compatible platforms Max run | LuxLineXT-500 | 436" (36.33') | 11074.4mm (11.07m) | 109 increments (4") | 872" (72.66') | 22148.8mm (22.15m) | 218 increments(4") |
| | LuxLineXT-300 | 600" (50.00') | 15240.0mm (15.24m) | 150 increments (4") | 1200" (100.00') | 30480.0mm (30.48m) | 300 increments(4") |
| | LuxLine Accent 1515V | 558" (46.50') | 14173.2mm (14.17m) | 186 increments (3") | 1116" (93.00') | 28346.4mm (28.35m) | 372 increments(3") |
| | LuxLine Accent 1220H | 556" (46.33') | 14122.4mm (14.12m) | 139 increments (4") | 1116" (93.00') | 28346.4mm (28.35m) | 279 increments(4") |