

DATE

PROJECT

TYPE

TLT24V SERIES | Performance LED Tapelight

24V TAPELIGHT SERIES POWER SUPPLY/DISTANCE & OPTIMIZED LIGHT OUTPUT

TLP24V 24V POWER SUPPLY INPUT: 24V DC	TLT24V0 LOW OUTPUT (LO) LONG RUN 1.3W/FT		TLT24V1 STANDARD OUTPUT (SO) 2.1W/FT		TLT24V2 HIGH OUTPUT (HO) 3.8W/FT		TLT24V3 SUPER HIGH OUTPUT (SHO) 5.5W/FT	
	WATTAGE	MAX RUN	MAX SPLIT	MAX RUN	MAX SPLIT	MAX RUN	MAX SPLIT	MAX RUN
20W	15 FT	18 FT	7 FT	9 FT	5 FT	6 FT	5 FT	7 FT
36W	24 FT	32 FT	11 FT	16 FT	7 FT	9 FT	7 FT	10 FT
60W	39 FT	53 FT	18 FT	26 FT	12 FT	15 FT	12 FT	18 FT
90W	61 FT	81 FT	28 FT	40 FT	18 FT	22 FT	18 FT	26 FT
96W	70 FT	92 FT	32 FT	45 FT	20 FT	25 FT	20 FT	30 FT

TLP24V 24V POWER SUPPLY INPUT: 24V DC	TLT24V1RGB RGB ¹ OUTPUT 3.9W/FT		TLT24V1RGBW RGBW ¹ OUTPUT 4.8W/FT		TLT24VTW TUNABLE WHITE ² 4.3W/FT	
	WATTAGE	MAX RUN	MAX SPLIT	MAX RUN	MAX SPLIT	MAX SPLIT
20W	7 FT	9 FT	4 FT	4 FT	4 FT	5 FT
36W	12 FT	13 FT	7 FT	7 FT	8 FT	9 FT
60W	22 FT	24 FT	12 FT	12 FT	14 FT	15 FT
90W	26 FT	34 FT	14 FT	16 FT	25 FT	40 FT
96W	30 FT	40 FT	16 FT	20 FT	27 FT	45 FT

1. RGB & RGBW Are at full power (all four LEDs are illuminated). Power consumption may vary based on color changing program.
 2. Tunable White is at full power (both LEDs are illuminated). Power consumption may vary based on color temperature combinations.
- Max split can be split more than once, without exceeding the max single run in each leg.
 - Max Run refers to the total single run of tapelight that can go on a power supply. Max Split refers to the total amount of tapelight that can go on a driver if it were separated into two runs.
 - Max Run lengths are calculated with 12V or 24V DC at the start of the tape run. Voltage drop may occur if not using proper wire gauge. Please refer to the Voltage Drop and Wire Length Distance chart.
 - Max Run lengths above are calculated with no more than 30% light loss from the start of the tape run to the end of the tape run for optimal light consistency. If run lengths are extended beyond the recommended lengths noted above, there will be inconsistent light output and voltage drop.
 - Overall distance of LED tape under load (illuminated sections). If exceeded damage to the power supply and LED tape may result.

24V TAPELIGHT SERIES

VOLTAGE DROP AND WIRE LENGTH DISTANCE; 3% VOLTAGE DROP*

Wire Gauge	20W	30W	36W	60W	96W
22 AWG	27 FT	18 FT	15 FT	9 FT	5 FT
20 AWG	43 FT	28 FT	24 FT	14 FT	9 FT
18 AWG	68 FT	45 FT	38 FT	23 FT	14 FT
16 AWG	109 FT	72 FT	60 FT	36 FT	23 FT
14 AWG	174 FT	115 FT	95 FT	57 FT	36 FT
12 AWG	272 FT	181 FT	151 FT	90 FT	57 FT
10 AWG	432 FT	288 FT	240 FT	144 FT	90 FT

*The Voltage Drop and Wire Length Distance Charts provide general guidelines for determining wire gauge based on total load and distance from the LED driver to the beginning of the tapelight run. **Always consult a qualified electrician or technician before wiring. Install in accordance with local electrical codes and National Electrical Code.**

All specifications subject to change without notice. For ConTech's limited product warranty, go to www.contechlighting.com. For a printed copy of the warranty, call 1-847-559-5500.