

PINNACLE 600

24V LED Specification Grade Tape Light

TL600-24V

SPECIFICATION SHEET



DESCRIPTION

NDR Lighting Pinnacle 600 Series LED Tape Light offers industry specification grade technology and is well suited in applications which are exposed to moisture. It features a thin Nano-Skin coating technology giving this product a durable protective layer and an IP54 damp location rating. To ensure that our CRI>97 color rendering and our high output lumen package of greater than 550LM/ft are always maintained, all our LEDs are selected using the 3-Step MacAdam binning criteria. This stringent protocol step ensures uniformity in both color and light intensity consistently across the entire run of lighting installed. Indoor applications: kitchen cabinets, bathroom vanities, large coves, hallways, architectural designs.

Outdoor applications: covered gazebos, roofed patios or any protected areas not exposed to direct contact with water.

FEATURES

- 3-Step MacAdam LED binning
- 3M™ mounting tape
- 3 oz. Copper per sq. ft. – Specification Grade
- Thicker layer offers less electrical resistance and voltage drops
- Cutable every 2.8"
- Full range dimmability
- IP54 rated – Damp location
- Maximum run – 16.4FT (5M)
- Suitable for use in closet spaces

SPECIFICATIONS

Model	TL600-24V
Certificates	cULus
Input voltage	24V
Watts/FT	5.1W/FT
Lumens/FT	563 lm/FT
Watts/m	16.7W/m
Lumens/m	1846 lm/m
CRI	97+
Dimmable	Yes
IP rating	IP54
Dimensions	0.4" x 196" x 0.07" (10mm x 5000mm x 1.8mm)
Cutable section	Every 2.8" (71mm)
Beam angle	120°
Lifetime	50,000 hours
Mounting	3M self-adhesive tape (non-porous)
Operating temperature	-4°F to 113°F (-20°C to 45°C)
Max run	16.4ft (5m)
Limited warranty	5 years

*TL600-24V tape is fully dimmable when powered by NDR Lighting LED Class 2 drivers (TLD24V-30W, TLD24V-60W, TLD24V-96W, TLD24V-192W, TLD24V-288W, TLD24V-25W, TLD24V-MINI-60W or TLDDIM24V-100W).

STOCKING SKUs

Model	Watts/FT	lm/FT	Watts/m	lm/m	CRI	Reel size	IP Rating	Lifetime	Ltd. Warr.
TL600-24V-3K	5.1	563	16.7	1846	97+	16.4FT (5m)	IP54	50,000h	5 years
TL600-24V-4K	5.1	563	16.7	1846	97+	16.4FT (5m)	IP54	50,000h	5 years
TL600-24V-3K30	5.1	563	16.7	1846	97+	98.4FT (30m)	IP54	50,000h	5 years
TL600-24V-4K30	5.1	563	16.7	1846	97+	98.4FT (30m)	IP54	50,000h	5 years

RATINGS & CERTIFICATIONS



0-100%
Dimmable



Damp
locations

ACCESSORIES



TL-STT-2-10
2-Pin screw connector, tape to tape connector
(8-10mm)



TL-STW8-2-10
2-Pin screw connector, tape to 8" wire lead
(8-10mm)



TL-SJOIN8-2-10
2-Pin screw connector, tape to tape with 8" wire lead
(8-10mm)



TL-SLTT-2-10
2-Pin screw connector, tape to tape L-corner
(8-10mm)



TL-STB-2-10
2-Pin screw connector terminal block
(8-10mm)

ACCESSORIES (continued)



TL-EXT6FT-2-10
2-Pin Screw Connector - 6 Foot Extension
(8-10mm)



TL-CTT-2-10
2-Pin tape to tape connector
(10mm)



TL-CTW6-2-10
2-Pin tape to 6" wire lead connector
(10mm)



TL-CJOIN6-2-10
2-Pin tape to tape joiner with 6" wire lead
(10mm)

DRIVERS



TLD24V-30W
30W Class 2 LED driver
100-277V input, 24V output
TRIAC, ELV, MLV, Forward & reverse phase, PWM output
1/2" knockout size
Wet locations rated
Dimensions: 6.5" x 3.7" x 1.6" (165mm x 94.5mm x 40mm)



TLD24V-60W
60W Class 2 LED driver
100-277V input, 24V output
TRIAC, ELV, MLV, Forward & reverse phase, PWM output
1/2" knockout size
Wet locations rated
Dimensions: 7.4" x 3.7" x 1.6" (188mm x 94.5mm x 40mm)



TLD24V-96W
96W Class 2 LED driver
100-277V input, 24V output
TRIAC, ELV, MLV, Forward & reverse phase, PWM output
1/2" knockout size
Wet locations rated
Dimensions: 8.7" x 3.7" x 1.6" (220mm x 94.5mm x 40mm)

DRIVERS (continued)



TLD24V-192W
 192W Class 2 LED driver
 100-277V input, 24V output x2 (2x 96W output)
 TRIAC, ELV, MLV, Forward & reverse phase, PWM output
 1/2" knockout size
 Wet locations rated
 Dimensions: 10.9" x 4.3" x 1.8" (278mm x 110mm x 40mm)



TLD24V-288W
 288W Class 2 LED driver
 100-277V input, 24V output x3 (3x 96W output)
 TRIAC, ELV, MLV, Forward & reverse phase, PWM output
 1/2" knockout size
 Wet locations rated
 Dimensions: 11.9" x 4.3" x 1.8" (301mm x 110mm x 45mm)



TLD24V-25W
 25W LED driver for Pinnacle Series Puck Light and Tape Light
 120V input, 24V output
 Dry location rated
 Dimensions: 6.1" x 2.1" x 0.8" / 155mm x 54mm x 20mm



TLD24V-MINI-60W
 60W Class 2 LED transformer
 120V input, 24V output,
 ELV dimming ONLY
 Requires junction box for UL rated
 Dimensions: 3.3" x 1.6" x 1" / 84mm x 40mm x 25mm



TLDDIM24V-100W
 100W LED dimmer and 24V driver
 120V input, 24V output
 Dry location rated
 Dimensions: 2.1" x 4.1" x 1.4" / 54mm x 105mm x 35mm