

LED THINGLOW™ SERIES PRO



THINGLOW™ WATERPROOF COLOR LED STRIPS

ThinGlow™ LED illumination system is broadly used for general illumination within commercial and residential applications. The ThinGlow™ is incredibly versatile and its ease of install makes it an excellent and economical choice for cove, under/over cabinet, toe kick, display case, light boxes, accent, back lighting, stairway, and other illumination applications.

ThinGlow™ uses a continuous flexible conductor carrier to electronically connect the LED modules, which can be mounted to any finished surface with its adhesive backing that covers 100% of the strips backing. ThinGlow line is the only LED system in the industry with replaceable LED modules.

APPLICATIONS

- Decoration for ceiling, wall, and contour marking
- Elegant interior decoration
- Backlight for advertising signs
- Signal lighting
- Outdoor display

BENEFITS

- Use high brightness PLCC-2 SMD LEDs as lighting source
- Even light with 120° viewing angle
- Available in various colors
- Waterproof and flexible material, enabling application to all accessible surfaces
- Each strip is 1.6 feet (50 cm, 30 LEDs) long, which can be cut into segments at the cutting mark
- Maximum connection distance is 32 feet (1,000 cm, 600 LEDs)
- 16 feet (10 strips) in each reel
- UL and ROHS compliant

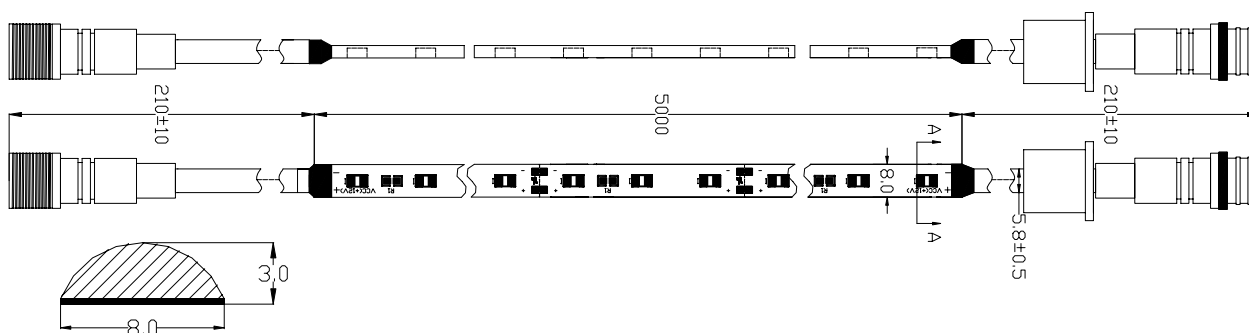
OPTICAL PARAMETERS AT TA=77°F

Part Number	Length (ft/ Roll)	No. of LEDs (Pcs/Roll)	CCT/ Wavelength	Input Voltage (VDC)	Power (W/Roll)	Current (A/Roll)	Lumens (lm/ Roll)	Watts (W/ft)	Current (A/ft)	Lumens (lm/ft)
IL-TG-WP-R-12V-P	16.4	300	624nm (Red)	12	24	2	430	1.46	0.12	26.2
IL-TG-WP-Y-12V-P	16.4	300	590nm (Yellow)	12	24	2	430	1.46	0.12	26.2
IL-TG-WP-G-12V-P	16.4	300	515nm (Green)	12	24	2	890	1.46	0.12	54.3
IL-TG-WP-B-12V-P	16.4	300	470nm (Blue)	12	24	2	280	1.46	0.12	17.1
IL-TG-WP-CW-12V-P	16.4	300	7000K	12	24	2	1770	1.46	0.12	107.9
IL-TG-WP-NW-12V-P	16.4	300	4600K	12	24	2	1640	1.46	0.12	100.0
IL-TG-WP-WW-12V-P	16.4	300	3900K	12	24	2	1560	1.46	0.12	95.1
IL-TG-WP-XW-12V-P	16.4	300	3100K	12	24	2	1510	1.46	0.12	92.1
IL-TG-WP-RGB-12V-P	16.4	180	625, 515, 470nm	12	36	3	-	2.20	0.18	-
IL-TG-WP-R-24V-P	16.4	300	624nm (Red)	24	24	1	430	1.46	0.06	26.2
IL-TG-WP-Y-24V-P	16.4	300	590nm (Yellow)	24	24	1	430	1.46	0.06	26.2
IL-TG-WP-G-24V-P	16.4	300	515nm (Green)	24	24	1	890	1.46	0.06	54.3
IL-TG-WP-B-24V-P	16.4	300	470nm (Blue)	24	24	1	280	1.46	0.06	17.1
IL-TG-WP-CW-24V-P	16.4	300	7000K	24	24	1	1770	1.46	0.06	107.9
IL-TG-WP-NW-24V-P	16.4	300	4600K	24	24	1	1640	1.46	0.06	100.0
IL-TG-WP-WW-24V-P	16.4	300	3900K	24	24	1	1560	1.46	0.06	95.1
IL-TG-WP-XW-24V-P	16.4	300	3100K	24	24	1	1510	1.46	0.06	92.1
IL-TG-WP-RGB-24V-P	16.4	180	625, 515, 470nm	24	36	1.5	-	2.20	0.09	-

DIMENSIONS

Length	Width	Height
196.8 in	0.31 in	0.118 in

Outline Dimensions (Unit: mm)



Cutaway View: A-A

Scale: 4:1

ELECTRICAL PARAMETERS

Parameters	Symbol	Values		Unit/ strip
Operating Voltage	Vopr	IL-TG-WP-R/Y/ G/B/CW/NW/WW-12V-P	12 (+/-5%)	V
Power Dissipation Max (V=12VDC)	PD	IL-TG-WP-R/Y/G/B-12V-P	2.4	W
		IL-TG-WP-CW/NW/WW-12V-P	2.16	
Operating Temperature	Topr	-30 – +85 (-22 – +185)		°C (°F)
Storage Temperature	Tstg	-30 – +85 (-22 – +185)		°C (°F)

Parameters	Symbol	Values		Unit/ strip
Operating Voltage	Vopr	IL-TG-WP-R/Y/ G/B/CW/NW/WW-24V	24 (+5%)	V
Power Dissipation Max (V=24VDC)	PD	IL-TG-WP-R/Y/G/B-24V-P	2.4	W
		IL-TG-WP-CW/NW/WW-24V-P	2.16	
Operating Temperature	Topr	-30 – +85 (-22 – +185)		°C (°F)
Storage Temperature	Tstg	-30 – +85 (-22 – +185)		°C (°F)