

LED THINGLOW™ SERIES PRO



THINGLOW™ WATERPROOF HIGH BRIGHTNESS SINGLE 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

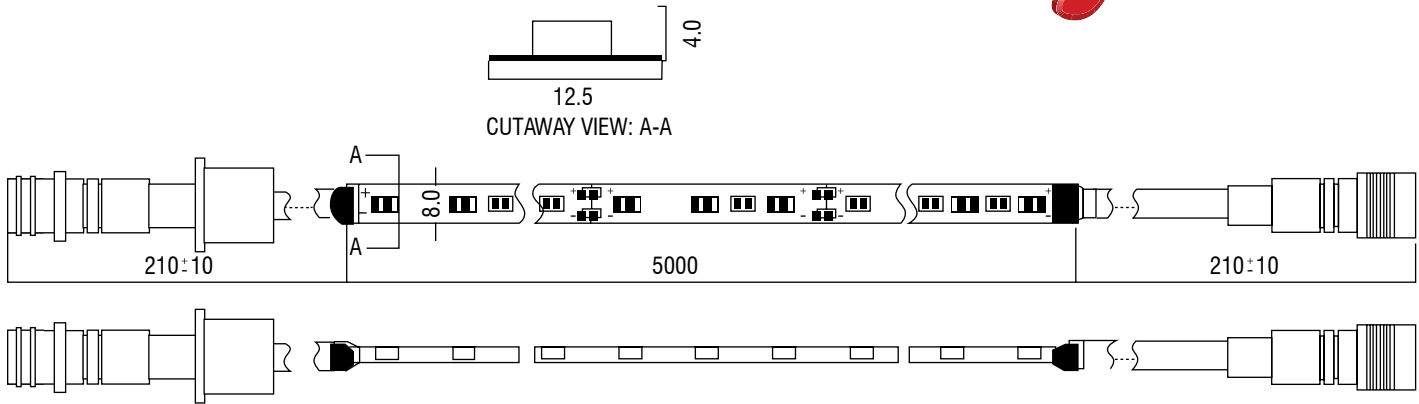
- Use high brightness PLCC-2 SMD LEDs as lighting source
- Even light with 120° viewing angle
- Available in various colors
- Waterproof and flexible material, enabling application to all accessible surfaces
- Each strip is 1.6 feet (50 cm, 30 LEDs) long, which can be cut into segments at the cutting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

OPTICAL PARAMETERS AT TA=77°F

Ultra-Bright Waterproof Series with 3528 LEDs

Part Number	Length (ft)	No. of LEDS	Power (W/ft)	Input Voltage (VDC)	Current (A/ft)	CCT/Wavelength	Lumens (lm)	Lumens /ft	Minimum Working Unit
IL-TG-UB-WP-R-12V-P	30	540	1.44	12	0.12	624nm (Red)	780	26	3 LED / 5CM
IL-TG-UB-WP-Y-12V-P	30	540	1.44	12	0.12	590nm (Yellow)	780	26	3 LED / 5CM
IL-TG-UB-WPG-12V-P	30	540	1.44	12	0.12	515nm (Green)	1620	54	3 LED / 5CM
IL-TG-UB-WP-B-12V-P	30	540	1.44	12	0.12	470nm (Blue)	510	17	3 LED / 5CM
IL-TG-UB-WP-CW-12V-P	30	540	1.44	12	0.12	6500K	3750	125	3 LED / 5CM
IL-TG-UB-WP-NW-12V-P	30	540	1.44	12	0.12	4100K	3510	117	3 LED / 5CM
IL-TG-UB-WP-WW-12V-P	30	540	1.44	12	0.12	3500K	3150	105	3 LED / 5CM
IL-TG-UB-WP-XW-12V-P	30	540	1.44	12	0.12	2700K	3150	105	3 LED / 5CM
IL-TG-UB-WP-R-24V-P	30	540	1.44	24	0.06	624nm (Red)	780	26	6 LED / 10CM
IL-TG-UB-WP-Y-24V-P	30	540	1.44	24	0.06	590nm (Yellow)	780	26	6 LED / 10CM
IL-TG-UB-WP-G-24V-P	30	540	1.44	24	0.06	515nm (Green)	1620	54	6 LED / 10CM
IL-TG-UB-WP-B-24V-P	30	540	1.44	24	0.06	470nm (Blue)	510	17	6 LED / 10CM
IL-TG-UB-WP-CW-24V-P	30	540	1.44	24	0.06	6500K	3750	125	6 LED / 10CM
IL-TG-UB-WP-NW-24V-P	30	540	1.44	24	0.06	4100K	3510	117	6 LED / 10CM
IL-TG-UB-WP-WW-24V-P	30	540	1.44	24	0.06	3500K	3150	105	6 LED / 10CM
IL-TG-UB-WP-XW-24V-P	30	540	1.44	24	0.06	2700K	3150	105	6 LED / 10CM

DIMENSIONS



ELECTRICAL PARAMETERS

Parameters	Symbol	Values		Unit/ strip
Operating Voltage	Vopr	IL-TG-HB-WP-CW/NW/WW-12V-P	12 (+5%)	V
Power Dissipation Max (V=12VDC)	PD	IL-TG-HB-WP-CW/NW/WW -12V-P	4.32	W
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-HB-WP-CW/NW/WW-24V-P	24 (+5%)	V
Power Dissipation Max (V=24VDC)	PD	IL-TG-HB-WP-CW/NW/WW -24V-P	4.32	W
Operating Temperature	Topr	-30 – +85 (-22 – +185)		° C (° F)
Storage Temperature	Tstg	-30 – +85 (-22 – +185)		° C (° F)

SCHEMATIC CIRCUIT DIAGRAM

