BETLUX

LED Strip light

Flexible SMD strip

Features:

▶ LED strip light, Mono color, Top LED type, Flexible
▶ Ultra brightness available
▶ PLCC2 top LED typ
▶ LED color: Red, Green, Blue, Yellow, white
▶ LED service life: 50,000~100,000hrs
▶ Continuous length flexible LED light strips
▶ Input: 12VDC
▶ Working Current: 2A for Single Color a reel, 3A for RGB Color a reel
▶ Cut by every 3 LEDs
▶ Maintenance free, easy installation
▶ Application: commercial, residential and industrial environments;
▶ Can be used as backlighting in decoration and advertisement; can be used in illumination devices
▶ Standard Length: 5 Meters/Reel
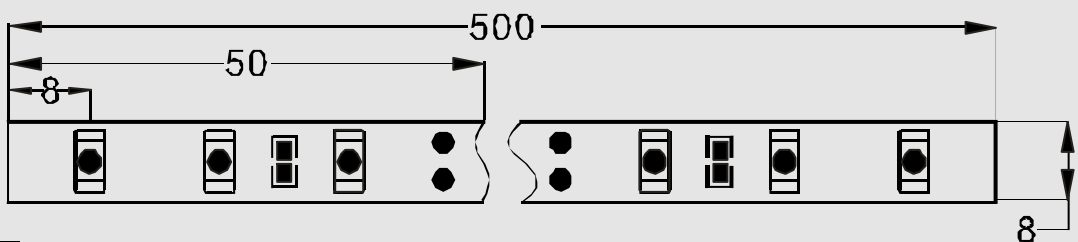▶ Printed Circuit Board thickness: 0.2~0.25mm

Electrical-optical characteristics: (Ta=25℃) (Test Condition: IF=20mA)

Part Number	Chip			Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd		Viewing Angle 2θ1/2 (deg)
	Emitted Color	Material	λP(nm)	Typ	Max	Min.	Typ.	
TLS-SMD-10F-LEG	Ultra Orange	AlGaInP	630	11.5	12.5	500	700	
TLS-SMD-10F-LYG	Ultra Yellow	AlGaInP	590	11.5	12.5	400	600	
TLS-SMD-10F-PGG	Ultra Pure Green	InGaN	525	11.5	12.5	700	1000	100
TLS-SMD-10F-LBG	Ultra Blue	InGaN	470	11.5	12.5	400	700	
TLS-SMD-10F-LWG	Ultra White	InGaN	/	11.5	12.5	600	1200	

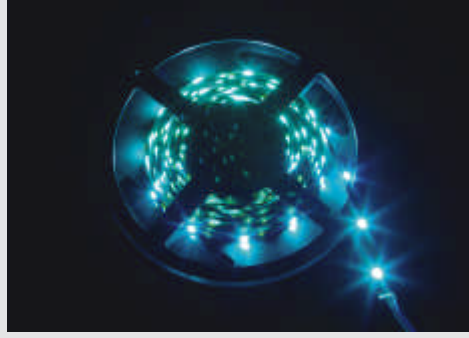## Full set of LED strip picture

PCB OUTLINE AND DIMENSION

Notes:

· All dimensions are in millimeters (inches)
· Tolerance is ±0.25(0.01")unless otherwise noted.
· Specifications are subject to change without notice.

RGB Flexible SMD strip

■ Features:

- ▶ LED strip light, RGB color, Top LED type, Flexible
- ▶ Ultra brightness available
- ▶ PLCC4 top LED typ
- ▶ LED color: Red, Green, Blue, Yellow, white
- ▶ LED service life: 50,000~100,000hrs
- ▶ Continuous length flexible LED light strips
- ▶ Input: 12VDC
- ▶ Working Current:: 3A for RGB Color a reel
- ▶ Cut by every 3 LEDs
- ▶ Maintenance free, easy installation
- ▶ Application: commercial, residential and industrial environments;
- ▶ Can be used as backlighting in decoration and advertisement; can be used in illumination devices
- ▶ Standard Length: 5 Meters/Reel
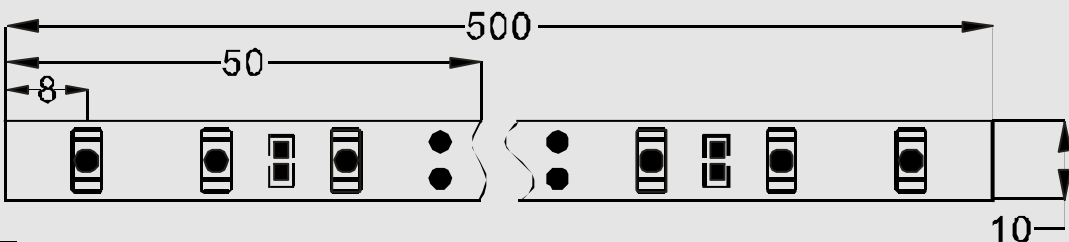- ▶ Printed Circuit Board thickness: 0.2~0.25mm

■ Electrical-optical characteristics: (Ta=25°C) (Test Condition: IF=20mA)

Part Number	Chip			Forward Voltage(VF) Unit:V		Luminous Intensity (iv) Unit:mcd		Viewing Angle 2θ1/2 (deg)
	Emitted Color	Material	λ P(nm)	Typ	Max	Min.	Typ.	
TLS-SMD-10F-RGB	Ultra Red	AlGaInP	630	11.5	12.5	500	700	100
	Ultra Pure Green	InGaN	525	11.5	12.5	700	1000	
	Ultra Blue	InGaN	470	11.5	12.5	400	700	

■ Full set of LED strip picture

■ PCB OUTLINE AND DIMENSION

■ Notes:

- · All dimensions are in millimeters (inches)
- · Tolerance is ±0.25(0.01')unless otherwise noted.
- · Specifications are subject to change without notice.

LED dome/door/box light, super flux type ▬▬▬

■ Features:

► LED dome/door/ box light, Mono color
► Ultra brightness
► Size: varialbe dimesnion will be optional
► Super Flux LEDs
► LED color: Red, Green, Blue, Yellow, white
► LED service life: 50,000~100,000hrs
► Power supply: 12VDC
► Easy to Install
► Package included: T10 x 31mm , Ba9s and T10 Wedge adaptors

■ Ninstallation:

► Open Lens and remove original bulb.
► Choose included adapter which is similar to original blub for replacement
► Connect LED PCB and turn on dome light. If LED can not light up. Please reverse installing direction of adapter and try again.
► After fuction being confirmed, then cut self-adhesive tap to fit and fix the PCB in the housing of dome light.
► Recover the lens.

■ Electrical-optical characteristics: (Ta=25℃) (Test Condition: IF=20mA)

Part Number	Chip			Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd		Viewing Angle 2θ1/2 (deg)
	Emitted Color	Material	λP(nm)	Typ	Max	Min.	Typ.	
TLS-FL-xxAUTO-UFG	Ultra Orange	AlGaInP	630	11.5	12.5	800	1800	100
TLS-FL-xxAUTO-UYG	Ultra Yellow	AlGaInP	590	11.5	12.5	600	1600	
TLS-FL-xxAUTO-PGG	Ultra Pure Green	InGaN	525	11.5	12.5	1000	6000	
TLS-FL-xxAUTO-UBG	Ultra Blue	InGaN	470	11.5	12.5	800	5000	
TLS-FL-xxAUTO-UWG	Ultra White	InGaN	/	11.5	12.5	1000	6000	

■ Selection Guide:

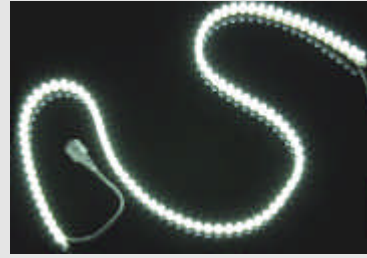| Part Number	LED quanity	Demension of PCB
TLS-FL-08AUTO-xxx	8	40*20mm
TLS-FL-10AUTO-xxx	10	40*16mm
TLS-FL-12AUTO-xxx	12	50*20mm
TLS-FL-14AUTO-xxx	14	60*20mm
TLS-FL-16AUTO-xxx	16	35*35mm
TLS-FL-18AUTO-xxx	18	50*25mm
TLS-FL-24AUTO-xxx	24	50*35mm
TLS-FL-28AUTO-xxx	28	60*35mm
TLS-FL-40AUTO-xxx	40	65*43mm

■ Full set of LED strip picture

Flexible Waterproof SMD Strip

■ Features:

- ▶ Flexible LED strip light, Mono color, flat top LED type
- ▶ 96cm, 96LED
- ▶ Ultra brightness
- ▶ 3MM flat top led lamps
- ▶ LED color: Red, Green, Blue, Yellow, white
- ▶ LED service life: 50,000~100,000hrs
- ▶ Power supply: 12VDC
- ▶ Maintenance free, easy installation
- ▶ Waterproof and vibration resistant
- ▶ Application: Decorative lighting (cove lighting, back lighting) for homes, hotels, stores, yachts, bars, automobiles etc; Channel letter lighting for your stores, restaurants, bars etc; Shop display lighting for your articles.

■ Electrical-optical characteristics: (Ta=25℃) (Test Condition: IF=20mA)

Part Number	Chip			Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd		Viewing Angle 2θ1/2 (deg)
	Emitted Color	Material	λP(nm)	Typ	Max	Min.	Typ.	
TLS-F3-96JEC	Ultra Orange	AlGaInP	630	11.5	12.5	2500	3500	
TLS-F3-96JYC	Ultra Yellow	AlGaInP	590	11.5	12.5	2500	3500	
TLS-F3-96JGC	Ultra Green	AlGaInP	571	11.5	12.5	2500	3500	
TLS-F3-96PGC	Ultra Pure Green	InGaN	525	11.5	12.5	3500	4500	120
TLS-F3-96DGC	Ultra Bluish Green	InGaN	505	11.5	12.5	3500	4500	
TLS-F3-96JBC	Ultra Blue	InGaN	470	11.5	12.5	3500	4500	
TLS-F3-96UWC	Ultra White	InGaN	/	11.5	12.5	3500	4500	

LED dome/door/box light, SMD type

■ Features:

- ▶ LED dome/door/box light, Mono color
- ▶ Ultra brightness
- ▶ Size: 92mm *20mm
- ▶ PLCC SMD LEDs
- ▶ LED color: Red, Green, Blue, Yellow, white
- ▶ LED service life: 50,000~100,000hrs
- ▶ Power supply: 12VDC
- ▶ Easy to install
- ▶ Package included: T10 x 31mm , Ba9s and T10 Wedge adaptors

■ Ninstallation:

- ▶ Open Lens and remove original bulb.
- ▶ Choose included adapter which is similar to original blub for replacement.
- ▶ Connect LED PCB and turn on dome light. If LED can not light up. Please reverse installing direction of adapter and try again.
- ▶ After fuction being confirmed , then cut self-adhesive tap to fit and fix the PCB in the housing of dome light.
- ▶ Recover the lens.

■ Electrical-optical characteristics: (Ta=25℃) (Test Condition: IF=20mA)

Part Number	Chip			Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd		Viewing Angle 2θ1/2 (deg)
	Emitted Color	Material	λP(nm)	Typ	Max	Min.	Typ.	
TLS-SMD-6AUTO-UEC	Ultra Orange	AlGaInP	630	11.5	12.5	500	700	
TLS-SMD-6AUTO-UYC	Ultra Yellow	AlGaInP	590	11.5	12.5	400	600	
TLS-SMD-6AUTO-PGC	Ultra Pure Green	InGaN	525	11.5	12.5	700	1000	100
TLS-SMD-6AUTO-UBC	Ultra Blue	InGaN	470	11.5	12.5	400	700	
TLS-SMD-6AUTO-UWC	Ultra White	InGaN	/	11.5	12.5	600	1200	

■ Full set of LED strip picture

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