

Flexible LED Strip Light Datasheet

7 products in this range. Specifications as published on wellking-led.com.
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Flexible LED strip light with 3528 SMD and 2216 SMD configurations, designed for curved surfaces, custom runs, and varied environments. Available in multiple LED densities, voltages, and IP ratings, with cuttable segments and dimmable control. Suitable for indoor and outdoor use, including wet and high-humidity areas, with options for single colour, RGB, and tunable white.

Strip Light with 240pcs 3528 Smd Led

A double-row 3528 SMD flexible LED strip with 240 LEDs per metre, designed for low-profile, high-flexibility applications where space is limited and the light must conform to tight curves. The 2.2×1.6mm chip size enables a slim profile of 2-3mm thickness and 8-12mm width, allowing installation in narrow gaps, behind thin displays, or along tight contours. It operates at 12V DC and delivers 19.2W per metre with 6-7 lumens per LED, supporting single colour white (2200-6500K), red, blue, green, and RGB options. The strip is cuttable at 5cm or 10cm intervals and can be bent up to 180 degrees without damage. Available in IP20, IP65, IP66, or IP68 protection levels depending on the application environment.

Parameter	Value
LED type	3528 SMD - double row
Model number	WK-FP3528-240D
LED quantity	240 pcs per metre
Input voltage	DC 12V
Power consumption	19.2W per metre
Thickness	2-3mm
Width	8-12mm
Length options	1m, 2m, 5m, 10m (customizable)
Colour temperature	2200-6500K (white), R/G/B, RGB
CRI (Ra)	>80 / 90 / 95
Beam angle	120°
Lumens per LED	6-7 lm
IP grade	IP20 / IP65 / IP66 / IP68
Dimming	PWM dimmable
Cutting interval	5cm or 10cm marked intervals
Bend radius	Up to 180° at any point

Web page: <https://wellking-led.com/products/strip-light-with-240pcs-3528-smd-led.html>

Strip Light with 3528 Smd Led

A flexible LED strip light using 3528 SMD chips, designed for general ambient and decorative lighting where moderate brightness and easy installation are required. The strip is bendable at any angle up to 180 degrees, cuttable at 5cm or 10cm intervals, and available in multiple lengths and LED densities. It supports PWM dimming and operates on 12V or 24V DC. The chip structure is simple and reliable, with low failure rates and wide compatibility with standard controllers and power supplies. Available in IP20, IP65, IP66, or IP68 protection levels depending on the application, it suits indoor and protected outdoor environments. The 3528 SMD LEDs deliver 6-7 lumens each with a beam angle of 120 degrees, and colour temperature ranges from 2200K to 6500K in white, or single colours like red, blue, and green.

Parameter	Value
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LED type	3528 SMD
Model number	WK-FP3528-30D/60D/120D...
PCB width	8mm / 10mm
Input voltage	DC 12V / 24V
LED quantity	30pcs / 60pcs / 120pcs / customizable
Power consumption	2.4W / 4.8W / 9.6W / based on LED quantity
Colour temperature	2200K - 6500K, R/G/B, single colour
CRI (Ra)	>80 / 90 / 95
Beam angle	120°
Lumens per LED	6-7 lm
IP grade	IP20 / IP65 / IP66 / IP68
Thickness	2-3mm
Width	8-12mm
Length	1m / 2m / 5m / 10m / customizable

Web page: <https://wellking-led.com/products/strip-light-with-3528-smd-led.html>

Strip Light with 2216 Smd Led Double Color

A thin, flexible LED strip with 2216 SMD chips designed for tight spaces and curved surfaces where standard strips won't fit. The 2.2×1.6mm chip size enables a 2-3mm thickness, allowing installation in narrow gaps, behind thin displays, or along the edges of furniture. Available in 5mm, 8mm, or 10mm widths with 120 or 240 LEDs per metre, it supports DC 12V or 24V input and offers white and warm white colour temperature tuning. The strip is cuttable at 5cm or 10cm intervals and can be bent up to 180 degrees without damage. IP20 to IP68 protection levels are available, making it suitable for dry, damp or fully submerged environments. Dimmable via PWM, it delivers consistent light output across the run with no visible LED dots.

Parameter	Value
LED type	2216 SMD
Model number	WK-FP2216D-120D / 240D
PCB width	5mm / 8mm / 10mm
Input voltage	DC 12V / 24V
LED quantity	120pcs / 240pcs per metre
Power consumption	9.6W/m / 19.2W/m
Colour temperature	White 2200-6500K, Warm White
CRI (Ra)	>80 / 90 / 95
Beam angle	120°
Lumens per LED	7-8 lm
IP grade	IP20 / IP65 / IP66 / IP68
Cut interval	5cm / 10cm
Bend radius	Up to 180 degrees
Thickness	2-3mm
Length	1m / 2m / 5m / 10m (customizable)

Web page: <https://wellking-led.com/products/strip-light-with-2216-smd-led-double-color.html>

Strip Light with 2216 Smd Led

A thin, flexible LED strip with 2216 SMD chips designed for tight spaces and curved surfaces where standard strips cannot fit. The 2.2×1.6mm chip size enables a profile thickness of 2-3mm, allowing installation in narrow gaps, behind thin displays, or along the edges of furniture. It is cuttable at 5cm or 10cm intervals and can be bent at any angle up to 180 degrees without damaging the circuit. Available in 5mm, 8mm, or 10mm widths with 60 to 300 LEDs per metre, it operates on 12V or 24V DC and supports PWM dimming. IP20 to IP68 protection levels allow use in dry, damp, or fully submerged environments depending on the version selected.

Parameter	Value
LED type	2216 SMD
Model number	WK-FP2216-60D/120D/180D/240D/300D
PCB width	5mm / 8mm / 10mm
Input voltage	DC 12V / 24V
LED quantity	60 / 120 / 180 / 240 / 300 per metre
Power consumption	3.8W / 9.6W / 14.4W / 19.2W / 21W per metre
Colour temperature	2200-6500K, single colour
CRI (Ra)	>80 / 90 / 95
Beam angle	120°
Lumens per LED	7-8 lm
IP grade	IP20 / IP65 / IP66 / IP68
Thickness	2-3mm
Width	5mm / 8mm / 10mm
Length	1m / 2m / 5m / 10m (customizable)

Web page: <https://wellking-led.com/products/strip-light-with-2216-smd-led.html>

Strip Light with 120pcs 5050 Smd Led

A high-brightness 5050 SMD flexible LED strip with 120 LEDs per metre, designed for applications requiring intense output and dynamic colour control. The double-row LED configuration delivers consistent luminance across the strip, with a beam angle of 120 degrees for wide coverage. Available in 12V DC input, it supports dimming via PWM and is compatible with remote, app, or voice control for RGB and RGBW models. The strip is cuttable at 5cm or 10cm intervals and can be bent to any angle up to 180 degrees, making it suitable for curved surfaces. Encapsulated in a flexible PCB with a thickness of 2-3mm and width of 8-12mm, it is offered in IP20, IP65, IP66, or IP68 protection levels depending on the environment. The strip is available in single colour (2200-6500K white, red, blue, green), RGB, or RGBW configurations with CRI Ra above 80 or 90.

Parameter	Value
LED type	5050 SMD - double row
Model number	WK-FP5050-120D
LED quantity	120 pcs per metre
Input voltage	DC 12V
Power consumption	28W
Colour temperature	2200-6500K (white), R/G/B, RGB, RGBW
CRI (Ra)	>80 / 90
Beam angle	120°
Lumens per LED	18-20 lm
IP grade	IP20 / IP65 / IP66 / IP68
Thickness	2-3mm
Width	8-12mm

Length	1m / 2m / 5m / 10m (customizable)
Cut interval	5cm / 10cm marked intervals
Bend radius	Up to 180 degrees at any point

Web page: <https://wellking-led.com/products/strip-light-with-120pcs-5050-smd-led.html>

Strip Light with 5050 Smd Led

A flexible LED strip light with 5050 SMD LEDs designed for high-brightness applications and dynamic color-changing effects. The strip is bendable at any angle up to 180 degrees, allowing installation on curved surfaces without damage. It is cuttable at 5cm or 10cm intervals, with the circuit intact after cutting. Available in single-color white (2200K to 6500K), red, blue, green, RGB, or RGBW configurations. Supports PWM dimming and remote, app, or voice control via Alexa and Google Assistant. Rated from IP20 to IP68 depending on the version, suitable for indoor and outdoor use. Input voltage is DC 12V or 24V, with LED quantity customizable per metre. The strip is 8-12mm wide and 2-3mm thick, available in standard lengths of 1m, 2m, 5m, 10m, or custom lengths.

Parameter	Value
LED type	5050 SMD
Model number	WK-FP5050-30D/60D/72D...
PCB width	10mm
Input voltage	DC 12V / 24V
LED quantity	30pcs / 60pcs / 72pcs / customizable
Power consumption	7.2W / 14.4W / 17.2W / customizable
Color temperature	2200K - 6500K (white), R/G/B, RGB, RGBW
CRI (Ra)	>80 / 90
Beam angle	120°
Lumens per LED	18-20 lm
IP grade	IP20 / IP65 / IP66 / IP68
Thickness	2-3mm
Width	8-12mm
Length	1m / 2m / 5m / 10m / customizable
Cutting interval	5cm / 10cm marked intervals

Web page: <https://wellking-led.com/products/strip-light-with-5050-smd-led.html>

Strip Light with 2835 Smd Led

A flexible LED strip with 2835 SMD chips designed for general lighting in residential, commercial and task applications where brightness, flexibility and cost efficiency are balanced. The 2835 chip size offers higher output than smaller SMDs while maintaining a slim profile. The strip is bendable at any angle up to 180 degrees and cuttable at 5cm or 10cm intervals without damaging the circuit. Available in 12V or 24V DC, with 60, 120 or 168 LEDs per metre, and customizable power consumption. Rated from IP20 to IP68 depending on the version, it supports surface mounting in dry, damp or fully submerged environments. Suitable for kitchens, bathrooms, corridors, under-cabinets, TV backlighting and commercial spaces where consistent brightness and low heat are required.

Parameter	Value
LED type	2835 SMD
Model number	WK-FP2835-60D / 120D / 168D
PCB width	8mm / 10mm
Input voltage	DC 12V / 24V

LED quantity	60pcs / 120pcs / 168pcs per metre, customizable
Power consumption	7.2W / 14.4W / 17.6W per metre
Colour temperature	2200K - 6500K, R/G/B, single colour
CRI (Ra)	>80 / 90 / 95
Beam angle	120°
Lumens per LED	24-26 lm
IP grade	IP20 / IP65 / IP66 / IP68
Thickness	2-3mm
Width	8-12mm
Length	1m / 2m / 5m / 10m, customizable
Cut interval	5cm / 10cm marked intervals

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