

LED Linear Light Datasheet

5 products in this range. Specifications as published on wellking-led.com.

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Integrated LED linear tube with built-in driver and housing, designed as a direct replacement for traditional T5 fluorescent tubes in commercial and residential settings. Available in standard T5 sizes with 110lm/w to 140lm/w efficacy, 2700K to 7000K CCT, and 130° beam angle. Also includes specialized versions: RGB IP68 for wet locations, IR940NM for covert surveillance, and suspended/surface-mounted models for flexible installation. All models use 2835 SMD (Samsung) or 5050 SMD (RGB) LEDs with >80 CRI and >50,000 hour lifespan.

LED Linear Tube Light – T5

An all-in-one LED linear tube light designed as a direct replacement for traditional T5 fluorescent tubes, with integrated driver and housing to eliminate the need for external components. Built for commercial and residential retrofit applications, it delivers high luminous efficacy with instant start and no flicker. The aluminium housing with polycarbonate cover provides durability and even light distribution across a wide beam angle. Available in multiple lengths and power ratings, it operates on standard AC voltage and is suitable for indoor environments with ambient temperature from -20°C to +40°C. The 2835 SMD LED chips from Samsung ensure consistent output and long life.

Parameter	Value
Model number	WK-T5-300mm / WK-T5-600mm / WK-T5-900mm / WK-T5-1000mm / WK-T5-1200mm
Power	4W / 8W / 10W / 12W / 14W
Input voltage	AC85-265V / AC110-130V
LED type	2835 SMD (Samsung)
Luminous efficacy	110 lm/W (optional 120-140 lm/W)
Beam angle	130°
CCT	2700K - 7000K / R/G/B
CRI (Ra)	>80 / >90
Dimming	No dimming / DALI / 0/1-10V / Triac (per request)
IP grade	IP20
Operating temperature	-20°C ~ +40°C
Lifespan	>50,000H (L90, Tc = 55°C)
Warranty	3/5 years
Size	300mm x 23mm x 34mm / 600mm x 23mm x 34mm / 900mm x 23mm x 34mm / 1000mm x 23mm x 34mm / 1200mm x 23mm x 34mm

Web page: <https://wellking-led.com/products/led-linear-tube-light-t5.html>

RGB IP68 LED Linear Strip Light

A rigid aluminum-based RGB linear strip light with full IP68 waterproofing, designed for continuous illumination in wet indoor and outdoor environments. The 5050 SMD LEDs are arranged in a uniform array across a silver-finished aluminum housing, delivering consistent light output without visible spots or shadows. The strip operates at DC12V for low-voltage safety and is equipped with mounting clips for quick installation. The IP68 rating ensures it remains functional in high-moisture areas such as bathrooms, showers, pools, and covered outdoor spaces. Available in multiple lengths and LED counts, with a 3-year warranty and full customization available on request.

Parameter	Value
Model number	WK-T5050RGB-IP68
LED type	5050 SMD
Input voltage	DC12V

LED quantity	30 / 60 / 72 / 96 pcs per meter
Length	300 / 500 / 600 / 1000 / 1200mm
Width	10 / 12 / 14 / 20mm
Height	8 / 10 / 12mm
Housing material	Aluminum
Finish	Silver
IP grade	IP68
Beam angle	120°
CRI (Ra)	>80
Color function	RGB color-changing
Dimming	Not dimmable
Operating temperature	-20°C ~ +50°C
Storage temperature	-20°C ~ +70°C
Relative humidity	80% ~ 100% RH
Lifespan	>50,000H (L90, Tc=55°C)
Warranty	3 years
Connection cable	w/IP65 connection cable

Web page: <https://wellking-led.com/products/rgb-ip68-led-linear-strip-light.html>

IR940NM LED Linear Strip Light

An infrared linear light emitting at 940nm, designed for use with night vision and infrared cameras where visible light must be absent. The strip uses 2835 SMD LEDs mounted on an aluminum housing with a PC cover, delivering a consistent, eye-invisible beam with no red glow leakage. Rated for over 50,000 hours at L90, it operates on 24V DC for safe, low-maintenance deployment. The linear profile can be grouped into sheets to cover larger application areas. Available in a standard size of 875mm x 15mm x 10mm, it is intended for custom configurations in security, sensing and automation systems.

Parameter	Value
Emission wavelength	940nm
LED type	2835 SMD
Input voltage	DC 24V
Power consumption	13.2W
Size	875(L) x 15(W) x 10(H) mm
Beam angle	120°
CRI	N/A
SDCM	<3
Lifespan	>50,000 hours (L90, Tc=55°C)
IP grade	IP20
Operating temperature	-20°C to +40°C
Dimming	No dimming
Warranty	3 years
Model number	WK-T940NM
Housing material	Aluminum
Cover material	PC

Suspended LED Linear Tube Light

A suspended LED linear tube light with modular design, built for surface mounting via cables or rods in commercial and industrial spaces. The aluminum housing provides efficient heat dissipation, while the PMMA diffuser delivers uniform, glare-free illumination across the entire length. Available in customizable lengths from 300mm to 3000mm, with options for 2700K to 6500K CCT, and dimming functions including 0/1-10V, Triac, or DALI. The fixture is designed for easy maintenance with quick component replacement and supports both functional and decorative lighting applications in offices, retail, warehouses, and public facilities.

Parameter	Value
Model number	WK-TD5075-xx / WK-TD6075-xx / WK-TD8075-xx / WK-TD-10075-XX / WK-TD12070-XX / WK-TD15070-XX
Housing material	Aluminum
Diffuser material	PMMA
Finish	White, Black
Input voltage	AC 85-265V
LED type	2835 SMD (SamSung)
CCT	2700K - 6500K
CRI (Ra)	>80 / 90
Beam angle	120°
Light efficacy	110 lm/W, 130-150 lm/W (optional)
Dimming	No dimming / 0/1-10V / Triac / DALI
Emergency or sensor	Optional, per request
IP grade	IP20
Operating temperature	-20°C ~ +40°C
Lifespan	>50,000H (L90, Tc = 55°C)
Warranty	3/5 years
Size	Customizable (W) 50-150mm x (H) 70-75mm
Length	300-3000mm, freely customizable

Web page: <https://wellking-led.com/products/suspended-led-linear-tube-light.html>

Surface Mounted LED Linear Tube Light

A surface-mounted LED linear tube light designed for direct installation on ceilings, walls or shelves without requiring recessed grooves. The compact, lightweight construction allows tool-free mounting using screws or adhesive brackets. The fire-retardant PC shell and aluminum base provide durability and heat dissipation, while the high-transmittance PMMA diffuser delivers uniform, glare-free illumination. Available in multiple lengths and with optional IP65 rating for semi-humid environments, it supports 0–10V dimming and is suitable for offices, retail stores, and residential spaces. Input voltage options are DC12V and DC24V, with 2835 SMD LED chips from Samsung. Custom lengths beyond the standard sizes are accepted.

Parameter	Value
Model number	WK-T5370-300mm, WK-T5370-500mm, WK-T5370-1000mm, WK-T5370-1500mm, WK-T4046-300mm, WK-T4046-500mm, WK-T4046-1000mm, WK-T4046-1500mm
Input voltage	DC12V / DC24V
LED type	2835 SMD (Samsung)
Power	4.3W, 7.2W, 14.4W, 21.6W
Length	300mm, 500mm, 1000mm, 1500mm

Width	40mm or 53mm
Height	46mm or 70mm
CCT	2700K–7000K, R/G/B, RGB
CRI	>80 / 90
Beam angle	120°
SDCM	<3
Dimming	0–10V, Triac, DALI, or no dimming
IP grade	IP20 / IP65
Operating temperature	-20°C ~ +40°C
Lifespan	>50,000H (L90, Tc=55°C)
Warranty	3/5 years
Light efficacy	110 lm/W, optional 130–150 lm/W

Web page: <https://wellking-led.com/products/surface-mounted-led-linear-tube-light.html>