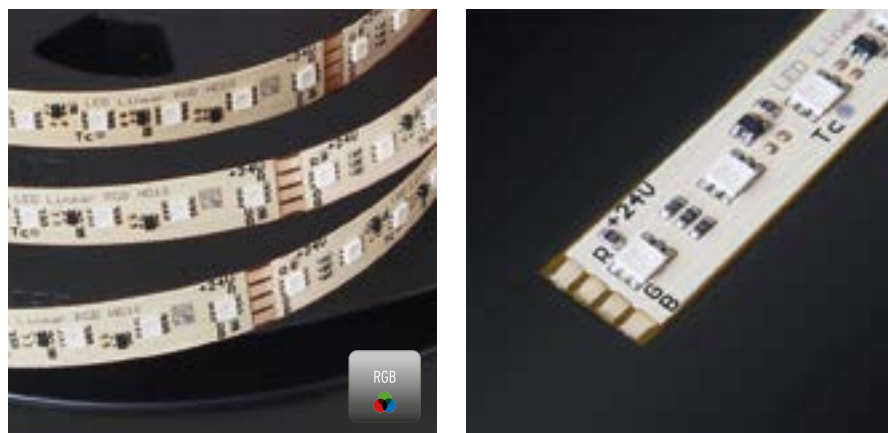
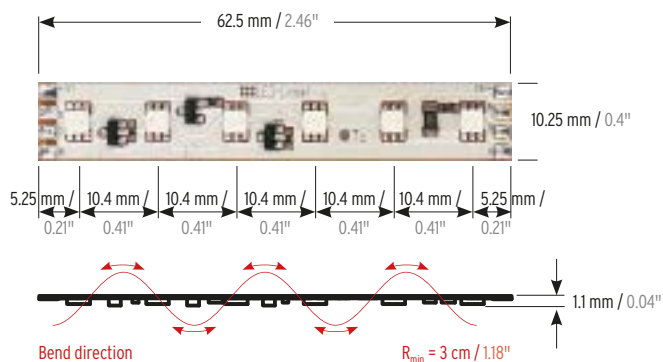


VarioLED™ Flex RGB HD



- ▶ up to 22 W/m / 6.7 W/ft
- ▶ up to 1,016 lm/m / 310 lm/ft
- ▶ White Point Binning

Dimensions & available lengths



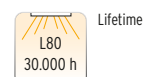
Electrical & output data

Step length	6 LEDs per 62.5 mm / 2.46"
Voltage	24 Volt (23 V _{min} , 25 V _{max})
Temperature [®]	T _{Cmin} = -25°C / -13°F, T _{Cmax} = up to 70°C / 158°F
Storage temperature	T _{Smin} = -30°C / -22°F, T _{Smax} = 70°C / 158°F
Ambient temperature	T _{Amin} = -25°C / -13°F, T _{Amax} = 45°C / 113°F

Tj Away®

LED LINEAR™ TECHNOLOGY

Up to 15 W/m (4.6 W/ft) no need for additional heat sinking on AI profile, more than 15 W/m (4.6 W/ft) VarioContour must be used to act as a heatsink.



Lifetime

LM 79

LM 79 compliant

LM 80

LM 80 compliant

VarioLED™ Flex RGB	HD10	HD20
Power (W/m / W/ft) ^A	11 / 3.4	22 / 6.7
Efficacy (lm/W) ^A	54	51
max. length (m / ft)	5 / 16.4	4 / 13.1
Watt/Reel (W) ^A	55	88
Number LED/Reel	480	384
Current	2.24 A/28 mA per Step	3.84 A/60 mA per Step

VarioLED™ Flex RGB	Color (λ _d) ^A	HD10 (low output)		HD20 (high output)	
		lumen/meter (lm/m) ^A	lumen/foot (lm/ft) ^A	lumen/meter (lm/m) ^A	lumen/foot (lm/ft) ^A
RGB Red	622 nm	145 / 44	269 / 82		
RGB Green	532 nm	335 / 102	627 / 191		
RGB Blue	466 nm	64 / 20	120 / 37		
RGB total		544 / 166	1,016 / 310		

^A The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

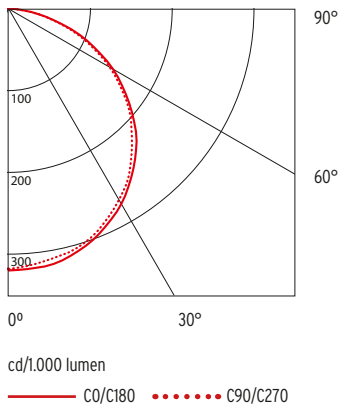
[®] The position of the T_C-point is marked on each step of the LED strip. The T_C-point should be measured in thermal equilibrium according to IEC EN 60598-1.



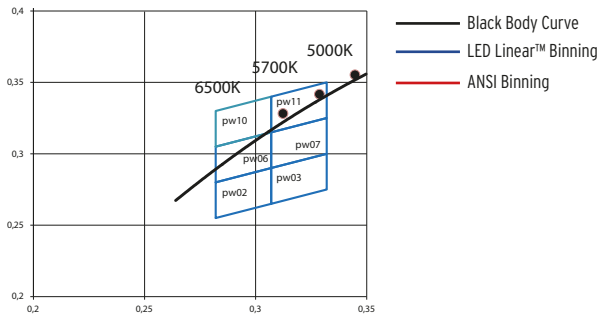
24 V Constant Voltage flexible RGB LED strip with white top surface offering optimal reflection and 3M adhesive tape on the back. With a step measurement of 62.5 mm (2.46") provide atmospheric light and color accents for every application. Assembled using state of the art automated Reel to Reel (R2R) production process supporting LED Linear™ Tj Away® thin flexible circuit board technology. In combination with ceramic LED packages a thermal resistivity of 45.5 K/W is achieved for an optimal heat dissipation (junction to installation surface) which guarantees an outstand-

ing lifetime of 30,000 hrs L80/B10. Each steps is composed of 6 x "3 in 1" high quality japanese RGB LEDs. Consistent light intensity all along the strip length is obtained thanks to active current regulation operated by dedicated integrated circuits (ICs) on each step. Protected against electrostatic discharge ± 2,000 V and polarity miswiring. Fully PWM dimmable for frequency > 0 Hz up to 2 kHz (flicker free for frequency higher then 1.2 kHz according to IEEE P1789 standard). Engineered and produced in Germany.

VarioLED™ Flex RGB HD



Binning



Order code

	LED-Band	Variante
Your order code	VarioLED Flex RGB	HD__
Order code example	VarioLED Flex RGB	HD20

Accessories

required

- Power Supply Unit IP20 e. g. Art.-# 16000178
- 4 wire cable e. g. Art.-# 14000060
- Control System RGB e. g. Art.-# 16000058
- HD20 Al profile

optional

- HD10 Al profile
- Cover Clear ~15% Lumen
- Cover Diffuse ~25% Lumen
- Cover Opal ~40% Lumen
- Lenses ~12% Lumen

Profiles / Optics

VarioContour	002	004	005	007	013	016
W x H mm / in (without optics)	19.5 x 15 0.77 x 0.59	19.5 x 19.5 0.77 x 0.77	19.5 x 12.5 0.77 x 0.49	25 x 32 0.98 x 1.26	20 x 10 0.79 x 0.39	20 x 15 0.79 x 0.59
Maximum electrical power (W/m) / (W/ft)	25 W/m 7.62 W/ft	40 W/m 12.2 W/ft	15 W/m 4.57 W/ft	40 W/m 12.2 W/ft	25 W/m 7.62 W/ft	40 W/m 12.2 W/ft
Profiles compatible to same electrical power rating and optics (if applicable)	001, 011, 012	020	019	015		
Linear optic* (clear, diffuse, 10° ... 90°)	✗		✗	✗		
Round cover* (clear, diffuse, opal)				✗		
Low square/L² cover* (clear, diffuse, opal)					✗	✗
High square cover* (clear, diffuse, opal)					✗	✗