

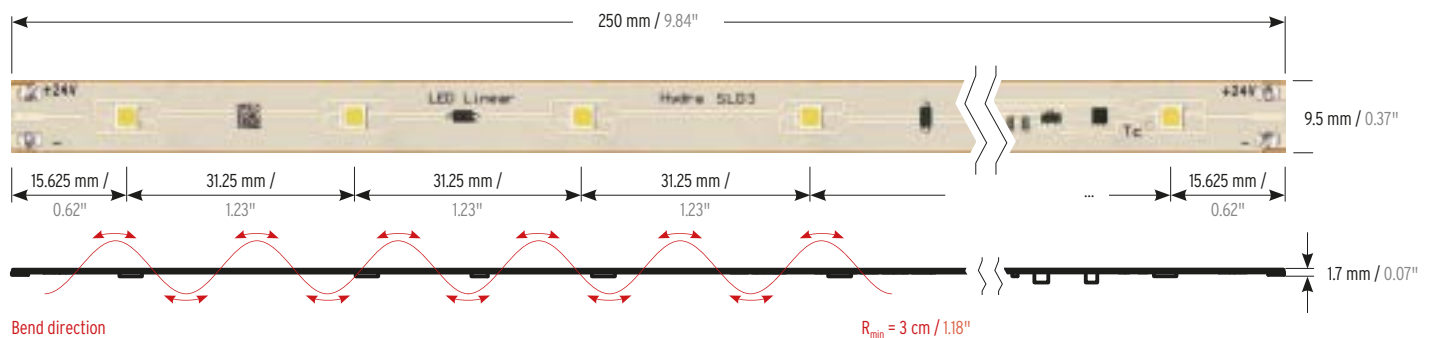
# VarioLED™ Flex HYDRA SLD3 White



Up to 157 Lumen/Watt

- ▶ 2.9 W/m / 0.9 W/ft
- ▶ up to 470 lm/m / 142 lm/ft
- ▶ One Bin Only: 3 MacAdam
- ▶ up to CRI 85

## Dimensions & available lengths



## Electrical & output data

Step length	8 LEDs per 250 mm / 9.84"
Voltage	24 Volt (23.6 V <sub>min</sub> , 26 V <sub>max</sub> )
Power (W/m / W/ft) <sup>A</sup>	2.9 / 0.9
Efficacy (lm/W) <sup>A</sup> @ W850	157
max. length (m / ft)	10 / 32.8
Watt/Reel (W) <sup>A</sup>	30
Number LED/Reel	320
Current	1.2 A/30 mA per Step
Temperature <sup>B</sup>	T <sub>Cmin</sub> = -25°C / -13°F, T <sub>Cmax</sub> = 70°C / 158°F
Storage temperature	T <sub>Smin</sub> = -30°C / -22°F, T <sub>Smax</sub> = 85°C / 185°F
Ambient temperature	T <sub>Amin</sub> = -25°C / -13°F, T <sub>Amax</sub> = 50°C / 122°F
CRI / R9 @ W830	85 / 25
R <sub>f</sub> / R <sub>g</sub> @ W830	82 / 99

Color temperature	lumen/meter (lm/m) <sup>A</sup> lumen/feet (lm/ft) <sup>A</sup>	
● W820	2,000 K	280 / 84
● W822	2,200 K	310 / 93
● W825	2,500 K	360 / 109
● W827	2,700 K	380 / 115
● W830	3,000 K	400 / 121
● W835	3,500 K	420 / 127
● W840	4,000 K	430 / 130
● W850	5,000 K	470 / 142

<sup>A</sup> 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%.

<sup>B</sup> The position of the T<sub>C</sub>-point is marked on each step of the LED strip. The T<sub>C</sub>-point should be measured in thermal equilibrium according to IEC EN 60598-1.

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.

ONE BIN ONLY

Lifetime  
L90/B10  
> 60.000 h

Photometric code  
Wxxx/  
339

LM 79 compliant  
LM 79

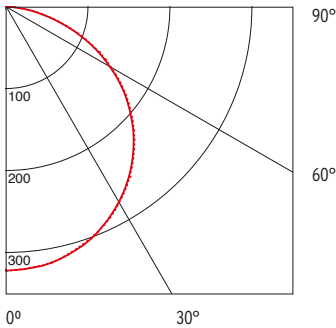
LM 80 compliant  
LM 80



24 V Constant Voltage flexible LED strip with white top surface offering optimal reflection and 3M adhesive tape on the back. 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 15.4 K/W is achieved for an optimal heat dissipation (junction to installation surface) which guarantees a lifetime of > 60,000 hrs L90/B10. Each 250 mm (9.84") steps embeds 8 high quality japanese LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an ex-

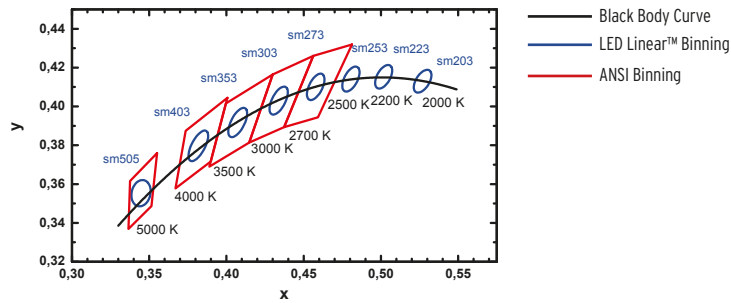
tended photometric code of Wxxx/339 ensuring an exceptional color consistency over the rated lifetime. High color rendition with a CRI of 85 and TM-30-15 up to  $R_t = R_f = R_g = 98$  ensuring an excellent light quality. Consistent light intensity all along the strip length is obtained thanks to active current regulation operated by dedicated integrated circuits (ICs) on each step. Protected against electrostatic discharge  $\pm 2,000$  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 HYDRA SLD3



cd/1,000 lumen  
 ——— C0/C180    ..... C90/C270

### Binning

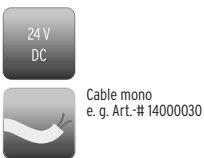


### Order code

	LED-Band	Variante	Farbwiedergabe	Farbtemperatur
Your order code	VarioLED Flex HYDRA	SLD3	W8	—
Order code example	VarioLED Flex HYDRA	SLD3	W8	27

### Accessories

required



optional



### 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)	✓	✓	✓	✓	✗	✗