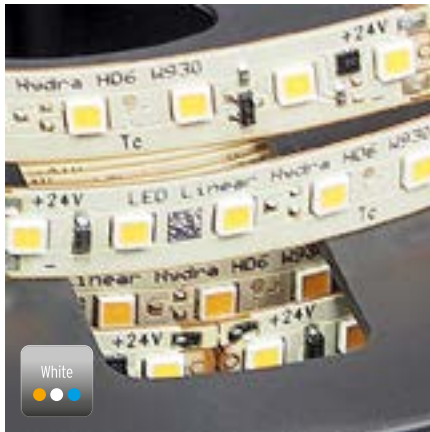


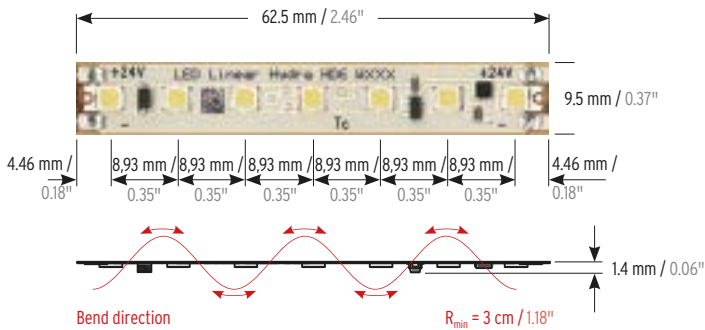
VarioLED™ Flex HYDRA HD White



- ▶ up to 36.5 W/m / 11 W/ft
- ▶ up to 5,260 lm/m / 1,602 lm/ft
- ▶ One Bin Only: 3 MacAdam
- ▶ up to CRI 95

! CRI up to 95
! up to 147 Lumen/Watt

Dimensions & available lengths



Electrical & output data

Step length	7 LEDs per 62.5 mm / 2.46"
Voltage	24 Volt (23 V _{min} , 25 V _{max})
Temperature ^B	T _{Cmin} = -25°C / -13°F, T _{Cmax} = specific, see table below
Storage temperature	T _{Smin} = -30°C / -22°F, T _{Smax} = 85°C / 185°F
Ambient temperature	T _{Amin} = -25°C / -13°F, T _{Amax} = specific, see table below

VarioLED™ Flex HYDRA	HD6	HD10	HD15	HD25	HD36
Power (W/m / W/ft) ^A	6 / 1.8	10 / 3.1	15 / 4.6	25 / 7.6	36.5 / 11
Efficacy (lm/W) ^A @ W850	138	138	147	144	146
CRI / R9 @ W930	95 / 65	95 / 65	85 / 25	85	85 / 25
max. length (m / ft)	5 / 16.4	5 / 16.4	4 / 13.1	3 / 9.18	2 / 6.6
Watt/Reel (W) ^A	30	50	60	75	72
Number LED/Reel	560	560	448	336	224
Current	1.2 A/15 mA per Step	2 A/25 mA per Step	2.56 A/40 mA per Step	3.12 A/65 mA per Step	3.04 A/95 mA per Step
Temperature T _C -point (T _{Cmax}) ^B	70°C / 158°F	70°C / 158°F	70°C / 158°F	75°C / 167°F	85°C / 185°F
max. ambient temperature (T _{Amax})	50°C / 122°F	50°C / 122°F	50°C / 122°F	45°C / 113°F	35°C / 95°F

Color temperature		lumen/meter (lm/m) ^A lumen/feet (lm/ft) ^A				
		HD6	HD10	HD15	HD25	HD36
● W820	2,000 K	480 / 145	800 / 243	1,280 / 389	2,090 / 636	3,050 / 929
● W822	2,200 K	550 / 167	920 / 279	1,470 / 447	2,380 / 724	3,480 / 1,060
● W825	2,500 K	630 / 191	1050 / 319	1,680 / 511	2,720 / 828	3,980 / 1,212
● W827	W927 2,700 K	560 / 170	940 / 286	1,780 / 542	2,890 / 880	4,230 / 1,288
● W830	W930 3,000 K	570 / 173	950 / 289	1,890 / 575	3,070 / 935	4,480 / 1,365
● W835	W935 3,500 K	590 / 179	980 / 298	1,980 / 603	3,220 / 980	4,710 / 1,435
● W840	W940 4,000 K	600 / 182	1,010 / 307	2,030 / 618	3,290 / 1,002	4,810 / 1,465
● W850	5,000 K	830 / 252	1,380 / 420	2,210 / 673	3,600 / 1,096	5,260 / 1,602

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

L80/B10 > 60,000 h	Lifetime
Wxxx/339	Photometric code
LM 79	LM 79 compliant
LM 80	LM 80 compliant

^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%.

^B 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.



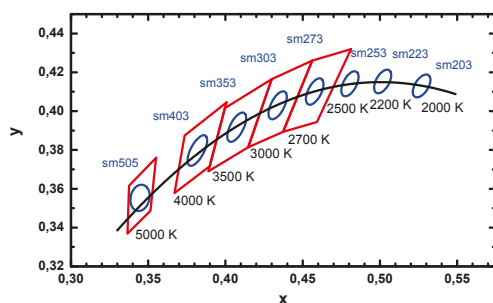
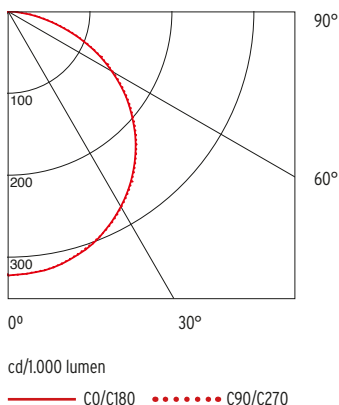
Photo: KKS Strategy LLP/Timothy Soar

24 V Constant Voltage flexible 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") and a small LED pitch of 8.93 mm (0.35") the first choice for applications with a direct top view or low construction depths - with perfectly homogeneous light. 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 18.5 K/W is achieved for an optimal heat dissipation (junction to installation surface) which guarantees a lifetime of > 60,000 hrs L80/B10. Each step embeds 7 high quality japanese LEDs with 3 step

MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an extended photometric code of Wxxx/339 ensuring an exceptional color consistency over the rated lifetime. Premium color rendition with a CRI of 95 and TM-30-15 up to $R_f = 91 / R_g = 100$ ensuring a remarkable 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 HD

Binning^c



— Black Body Curve
 — LED Linear™ Binning
 — ANSI Binning

Order code

	LED-Band	Variante	Farbwiedergabe	Farbtemperatur
Your order code	VarioLED Flex HYDRA	HD__	W_	__
Order code example	VarioLED Flex HYDRA	HD6	W9	27

Accessories

required

- 24 V DC Power Supply Unit IP20 e.g. Art.-# 16000178
- Cable mono e.g. Art.-# 14000030

optional

- Control System White/IQ-White, e.g. Art.-# 16000268-DT6
- AI 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)	✓	✓	✓	✓	✗	✗