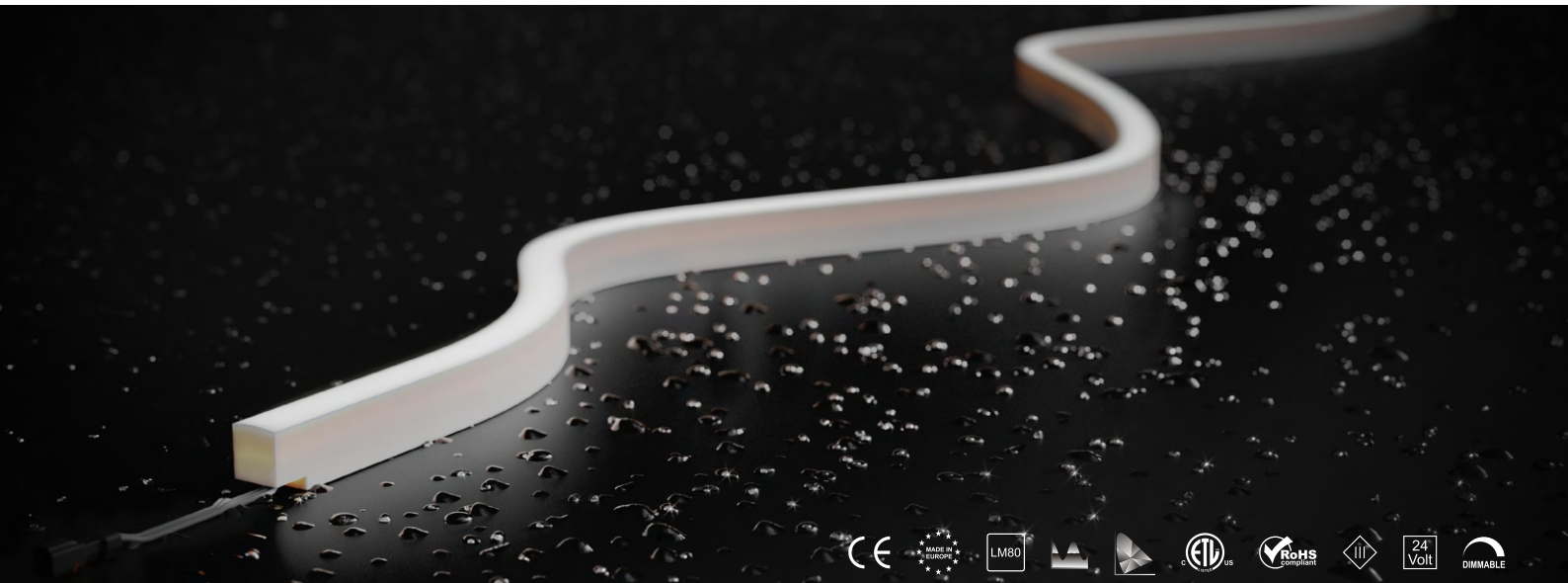


# HSN112

OUTDOOR FLEXIBLE LED



## MONOFLEX HYDRO-HSN112

The HSN112 side bendable IP67 LED lines have been designed for outdoor lighting projects that need a creative and flexible lighting solution.

With flexible polyurethane housing, the HSN112 can adjust to the organic geometry of building facades and structures while ensuring a uniform light effect.

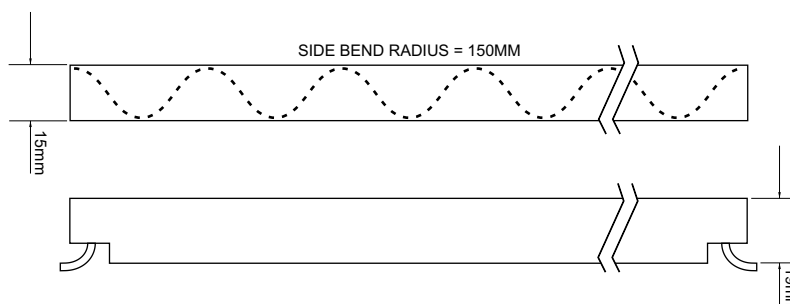
Fully encapsulated and protected from the elements, these high quality LED strips are built for long-term professional applications.

## FEATURES

- // Nichia LEDs
- // 24vdc input voltage (SELV)
- // 112 LEDs/m - 125mm cutting steps
- // 4.8w/m / 9.6w /m / 14.4w/m
- // Up to 1236 lumens/m
- // 3 Step MacAdam LEDs
- // CRI  $\geq$ Ra80 /  $\geq$ Ra90 / RGB
- // 8mm wide copper PCB with constant current IC
- // Schottky diodes for reverse polarity protection
- // Thermal conductive adhesive tape for better heat conduction

## TECHNICAL

<b>Input voltage:</b>	24VDC [22.5~25VDC]
<b>Current control:</b>	On-board integrated controller (IC)
<b>Reverse voltage protection:</b>	On-board Schottky diode
<b>Operating temperature (Ta):</b>	-25 °C ~ 50 °C
<b>PCB Temperature (Tc max):</b>	<75 °C
<b>Dimmable:</b>	PWM (Pulse-Width Modulation)
<b>Beam angle:</b>	120 (cosine)
<b>LEDs/m:</b>	112



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## PRODUCT CODE EXAMPLE

PRODUCT	POWER	PCB	CCT
HSN112	14	N4	927

## RGB

			POWER	14
COLOUR				14.4W/m
● RED	Nichia	2000K	LUMENS/M	81
● GREEN	Nichia	2200K		240
● BLUE	Nichia	2500K		54
			RGB LUMENS/M	375

## CRI 80+

			POWER	4	9	14
SPECTRUM				4.8W/m	9.6W/m	14.4W/m
● 820	Nichia	2000K	LUMENS/M	261	533	807
● 822	Nichia	2200K		282	577	872
● 825	Nichia	2500K		309	631	955
● 827	Nichia	2700K		361	738	1117
● 830	Nichia	3000K		372	760	1150
● 835	Nichia	3500K		381	778	1177
● 840	Nichia	4000K		382	780	1180
● 850	Nichia	5000K		420	832	1236

## CRI 90+

			POWER	4	9	14
SPECTRUM				4.8W/m	9.6W/m	14.4W/m
● 920	Nichia	2000K	LUMENS/M	226	447	662
● 922	Nichia	2200K		247	483	716
● 925	Nichia	2500K		265	525	777
● 927	Nichia	2700K		320	637	947
● 930	Nichia	3000K		329	655	975
● 935	Nichia	3500K		337	671	998
● 940	Nichia	4000K		340	678	1008
● 950	Nichia	5000K		359	716	1066

### Disclaimer:

Technical data is subject to change without prior notice. The data provide represent typical values. Due to tolerances in the production of components and binning of LEDs, values for lumen output (Lm), colour temperature (CCT) and power (W/m) can vary up to 10%. Electrical and thermal variation also influences the performance characteristics of LEDs