

AN112

OUTDOOR FLEXIBLE LED



MONOFLEX AQUA-AN112

A flexible linear IP67 LED tape manufactured using a durable copper PCB with on-board constant current integrated circuit (IC) to ensure precise current control, whilst Schottky diodes protect against reverse polarity.

High quality Nichia LEDs deliver superior performance, whilst single bin selection and 3-step MacAdam colour consistency ensure imperceptible colour and brightness variation.

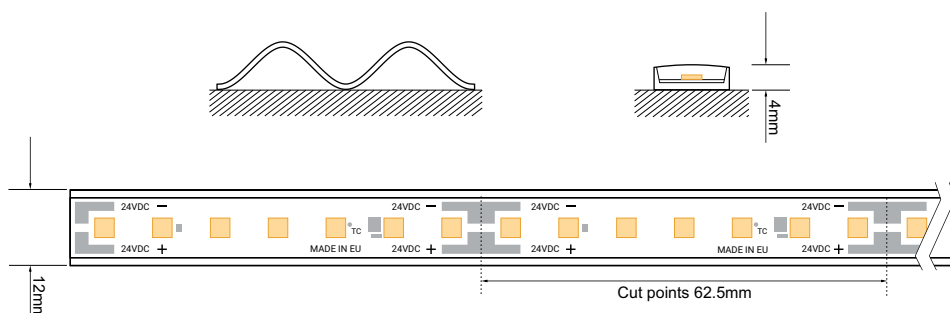
The flexible housing is waterproof, UV, salt and solvent resistant, it does not attract dirt and is easy to mount and clean. Designed for professional interior or exterior lighting applications where stable, consistent and reliable performance is required.

FEATURES

- // Nichia LEDs
- // 24vdc input voltage (SELV)
- // 112 LEDs/m - 62.5mm cutting steps
- // 4.8w/m / 9.6w/m / 14.4w/m
- // Up to 1868 lumens/m
- // 3 Step MacAdam LEDs
- // CRI \geq Ra80 / \geq Ra90 / \geq Ra98
- // Copper PCB with constant current IC
- // Schottky diodes for reverse polarity protection
- // 12mm x 4mm IP67 flexible housing
- // UV,salt & solvent resistant

TECHNICAL

Input voltage:	24VDC [22.5~25VDC]
Current control:	On-board integrated controller (IC)
Reverse voltage protection:	On-board Schottky diode
Operating temperature (Ta):	-25 °C ~ 50 °C
PCB Temperature (Tc max):	<75 °C
Dimmable:	PWM (Pulse-Width Modulation)
Beam angle:	112 (cosine)
LEDs/m:	112
Bend radius:	Rmin = 100mm



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PRODUCT CODE EXAMPLE

PRODUCT	POWER	PCB	CCT
AN112	14	N4	927

CRI 80+

SPECTRUM	POWER			4	9	14
				4.8W/m	9.6W/m	14.4W/m
● 820	Nichia	2000K	LUMENS/M	394	806	1219
● 822	Nichia	2200K		427	872	1319
● 825	Nichia	2500K		467	954	1444
● 827	Nichia	2700K		546	1116	1688
● 830	Nichia	3000K		563	1149	1738
● 835	Nichia	3500K		576	1175	1778
● 840	Nichia	4000K		577	1179	1783
● 850	Nichia	5000K		634	1257	1868
● 857	Nichia	5700K		612	1212	1803
● 865	Nichia	6500K		612	1212	1803

CRI 90+

SPECTRUM	POWER			4	9	14
				4.8W/m	9.6W/m	14.4W/m
● 920	Nichia	2000K	LUMENS/M	342	675	1000
● 922	Nichia	2200K		374	730	1082
● 925	Nichia	2500K		401	793	1174
● 927	Nichia	2700K		484	962	1432
● 930	Nichia	3000K		498	990	1473
● 935	Nichia	3500K		510	1014	1508
● 940	Nichia	4000K		515	1024	1524
● 950	Nichia	5000K		543	1082	1611
● 957	Nichia	5700K		539	1075	1602
● 965	Nichia	6500K		536	1069	1602

CRI 95+

SPECTRUM	POWER			4	9	14
				4.8W/m	9.6W/m	14.4W/m
● 027	Nichia	2700K	LUMENS/M	395	782	1160
● 030	Nichia	3000K		403	799	1186
● 035	Nichia	3500K		412	816	1211
● 040	Nichia	4000K		417	827	1226
● 050	Nichia	5000K		445	885	1316

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