

AN56

OUTDOOR FLEXIBLE LED



MONOFLEX AQUA-AN56

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.

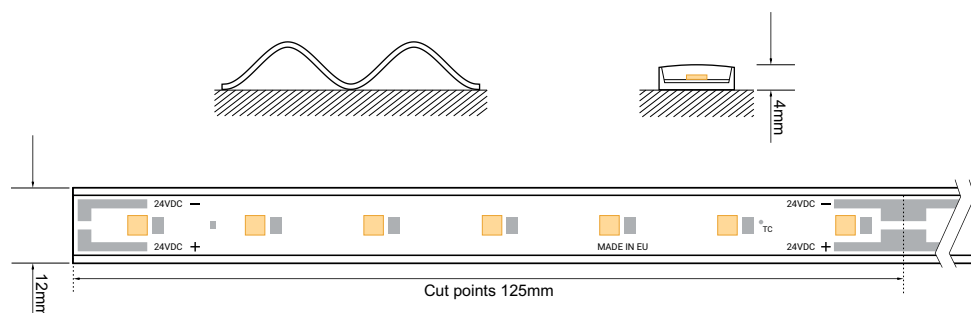
The flexible housing is waterproof, UV, salt and solvent resistant, it does not attract dirt and is easy to mount and clean. Designed for professional interior or exterior lighting applications where stable, consistent and reliable performance is required.

FEATURES

- // Nichia LEDs
- // 24vdc input voltage (SELV)
- // 56 LEDs/m - 125mm cutting steps
- // 4.8w/m / 9.6w/m
- // Up to 1234 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:	56
Bend radius:	Rmin = 100mm



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PRODUCT CODE EXAMPLE

PRODUCT	POWER	PCB	CCT
AN56	9	N4	927

CRI 80+

SPECTRUM	POWER			4	9
				4.8W/m	9.6W/m
● 820	Nichia	2000K	LUMENS/M	403	812
● 822	Nichia	2200K		436	879
● 825	Nichia	2500K		477	962
● 827	Nichia	2700K		558	1125
● 830	Nichia	3000K		574	1159
● 835	Nichia	3500K		588	1185
● 840	Nichia	4000K		589	1188
● 850	Nichia	5000K		628	1234
● 857	Nichia	5700K		606	1191
● 865	Nichia	6500K		606	1191

CRI 90+

SPECTRUM	POWER			4	9
				4.8W/m	9.6W/m
● 920	Nichia	2000K	LUMENS/M	338	658
● 922	Nichia	2200K		365	712
● 925	Nichia	2500K		396	772
● 927	Nichia	2700K		482	945
● 930	Nichia	3000K		494	971
● 935	Nichia	3500K		507	995
● 940	Nichia	4000K		512	1005
● 950	Nichia	5000K		541	1064
● 957	Nichia	5700K		537	1057
● 965	Nichia	6500K		534	1050

CRI 95+

SPECTRUM	POWER			4	9
				4.8W/m	9.6W/m
● 027	Nichia	2700K	LUMENS/M	391	764
● 030	Nichia	3000K		400	781
● 035	Nichia	3500K		408	798
● 040	Nichia	4000K		413	807
● 050	Nichia	5000K		442	868

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