AH Series | AHT1312-CCT-24V



Description

· Light source: high luminous efficiency LED lamp beads, LM80 test certification;
· Process material: three-color silicone extrusion technique is applied, cut as you wish;
· Optical design: unique optical light distribution structure design, uniform light emission on the surface without shadows;
· Appearance design: Standard ESD soft-touch coating, good flexibility, simple shape, exquisite and unique;
· Environmental characteristics: salt solution resistance, acid and alkali corrosion resistance, flame retardant resistance, UV resistance;
· Product application: signboard lighting, outdoor/internal decorative lighting, architectural contour application;

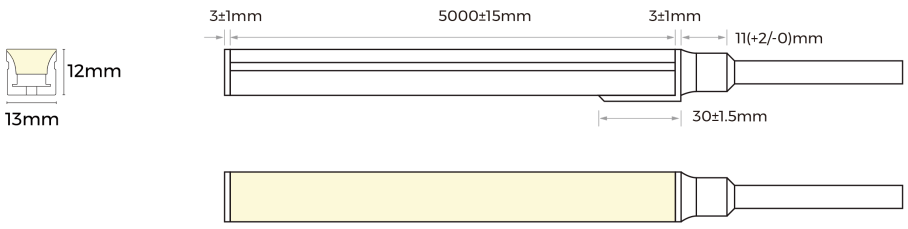
Electrical Parameters

Input Voltage	DC24V
System Power	13W/M
Electrical Insulation Class	Class III
Max-Run(Single-End Feed)	5m

Light Source Parameters

LED Type	2216
LED QTY	240LEDs/m
CCT	2200K+6000K
CRI	Ra90+
Cutting Unit	8.33mm

Dimensions



Basic Parameters

Application	Outdoor
Bend Direction	Top-Bend
IK Rating	IK08
IP Rating	IP67
Operating Temperature	-20~50℃
Storage Temperature	0℃～60℃
Warranty	7years
Certifications	UKCA, CE, UL, CB, RoHS, REACH

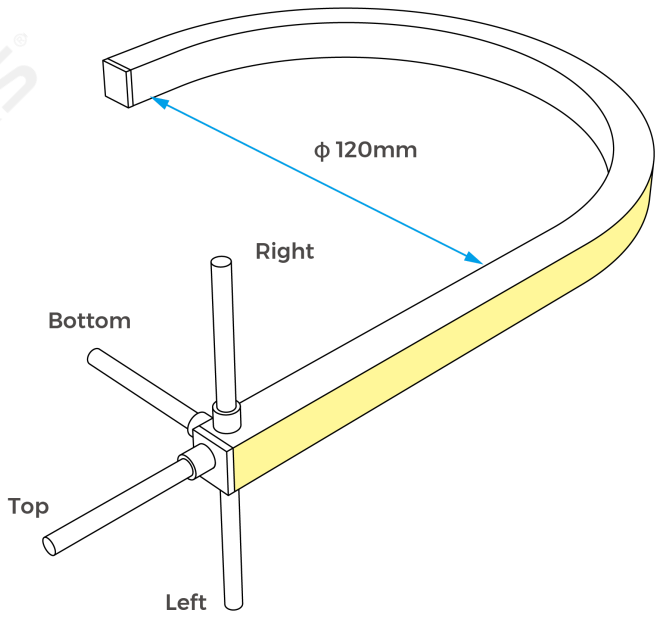
Optical & Electrical Parameters

System Power	CCT	CRI	CCT Range	SDCM	Luminous Efficacy	System Output	ErP Class (EU 2019/2020)
13 W/m[3.96 W/ft]	2200K	Ra90+	2100-2300K	-	100 lm/W	650 lm/m[198 lm/ft]	
13 W/m[3.96 W/ft]	6000K	Ra90+	5200-6000K	-	100 lm/W	750 lm/m[228 lm/ft]	
13 W/m[3.96 W/ft]	2200K+6000K	Ra90+	2100-2300K 5200-6000K	-	100 lm/W	1300 lm/m[396 lm/ft]	

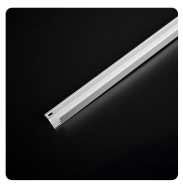
1. The above parameters are tested based on 1m/3.28ft standard products
2. The luminous flux is allowed to have an error range of ±15%
3. The above parameters are typical values

Note: 1. Specification are subject to change without notice. 2. See user manual for special notes.

IP process structure and size



Profile



☐ AS-AFT1312A4-1000
Item Name: 1312 Side Hole Aluminum Profile
Body Material: AL6063-T5
Finish Colors: Sliver
Dimension: L1000*W15.4*H14.1mm



☐ AS-AFT1312A5-1000
Item Name: 1312 Recessed Shapeable Aluminum Profile
Body Material: AL6063-T5
Finish Colors: Sliver
Dimension: L1000*W55.4*H14.6mm



☐ AS-NMT1312A
Item Name: 1312 Surface Mount Aluminum Profile
Body Material: AL6061
Finish Colors: Sliver
Dimension: LXXXX*W15.4*H14.1mm



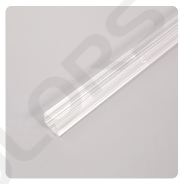
☐ AS-NMT1312A-1000
Item Name: 1312 Surface Mount Aluminum Profile
Body Material: AL6061
Finish Colors: Sliver
Dimension: L1000*W15.4*H14.1mm



☐ AS-NMT1312B1-1000
Item Name: 1312 Reserved Wire Outlet Mounting Aluminum Channel
Body Material: AL6063-T5
Finish Colors: Sliver
Dimension: L1000*W14.8*H26mm

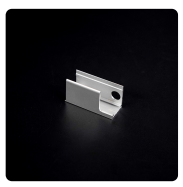


☐ AS-NMT1312M-500
Item Name: 1312 Shapeable Mounting Channel
Body Material: SUS304
Finish Colors: White
Dimension: L500*W13.7*H13.6mm



☐ AS-NMT1312P-1000
Item Name: 1312 Surface Mount PC Channel
Body Material: PC
Finish Colors: Transparent
Dimension: L1000*W15.4*H14.6mm

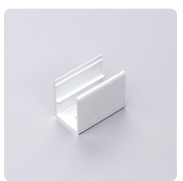
Clips



☐ AS-AFT1312A4-35
Item Name: 1312 Side Hole Aluminum Clip
Body Material: AL6063-T5
Finish Colors: Sliver



☐ AS-NMT1312A-25
Item Name: 1312 Surface Mount Aluminum Clip
Body Material: AL6061
Finish Colors: Sliver



☐ AS-NMT1312B1-25
Item Name: 1312 Reserved Wire Outlet Mounting Aluminum Clip
Body Material: AL6063-T5
Finish Colors: Sliver



☐ AS-NMT1312P-25
Item Name: 1312 Surface Mount PC Clip
Body Material: PC
Finish Colors: Transparent

End Cap



☐ AS-NMT1312GD0-EC
Item Name: 1312 Silicone End Cap Set Bottom Outlet
Body Material: Silicone
Finish Colors: Semi-transparent
Dimension: L22*15*14mm



☐ AS-NMT1312GH0-EC
Item Name: 1312 Silicone End Cap Set Straight Outlet
Body Material: Silicone
Finish Colors: Semi-transparent
Dimension: L23*15*14mm



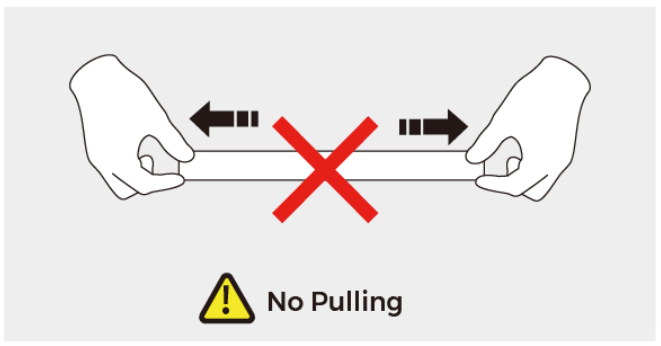
☐ AS-NMT1312GS0-EC
Item Name: 1312 Silicone End Cap Set Side Outlet
Body Material: Silicone
Finish Colors: Semi-transparent
Dimension: L23*18*14.1mm

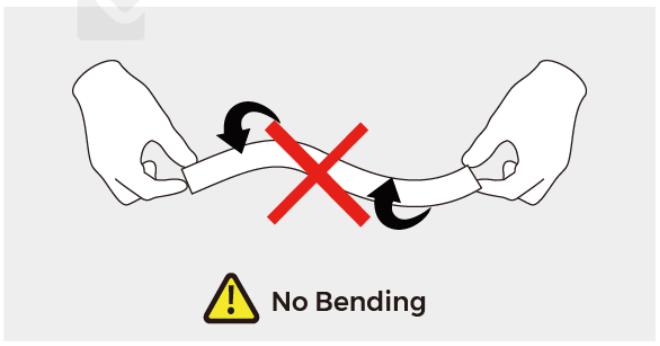
Packing

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Length	Opt Wire Length(M)	QTY/BOX(PCS)	Package Dimension/ Box(L*W*Hcm)	QTY/CTN(PCS)	N.WT/CTN(Kg)	G.WT/CTN(Kg)	Package Dimension/ CTN(L*W*Hcm)
5m	0.5	-	-	70	13.70	14.70	42.5*42.5*24
10m	0.5	-	-	80	14.80	15.80	42.5*42.5*24
5m	2	-	-	60	13.50	14.50	42.5*42.5*24
10m	2	-	-	70	13.90	14.90	42.5*42.5*24

Attentions







1. Cut as per cutting line marks for required length of neon strips.
2. Use DC isolated power supply of less than 5% ripple waves to drive neon strips and do not use RC buck or non-isolated power supply.
3. When connecting neon strips in series, light-up test should be made soon after each connection to promptly find out whether the positive and negative poles are correctly connected.
4. Pay attention to positive and negative poles connection. Make sure the power supply conforms to required voltage to avoid damage.
5. Align profile ends when joining; do not install misaligned.
6. Silicone neon strips shall be stored in a dry and sealed environment for no more than 1 year at best. (For detailed information on the operating temperature, storage temperature, and other specifications of specific models, please refer to the product specifications.)
7. Neon strips has unilateral conductivity. If a power cable with a DC/AC converter is used, power-on tests shall be done first after connecting power supply to ensure that the positive and negative poles are connected correctly.
8. In actual applications, 20% of the power supply shall be kept (recommended to use no more than 80% of the power) to guarantee that sufficient voltage is available to drive the product;
9. Attention shall be paid to safe operation. After powering on. it is not allowed to touch the AC power supply to avoid an electric shock.
10. To ensure the duration and reliability of neon strips, be sure to bend it in the specified direction and radius range. For details, please refer to the indicating marks.
11. Please confirm before usage since products of varied sizes may show slight differences in their color under same color temperature due to their structural differences.
12. Due to the characteristics of the silicone material, it is normal for the color of the colloid to change slightly after the neon product is used for a long time.
13. During construction and installation, it is strictly prohibited to use adhesives such as 502 / 705 that are prone to chemical reactions with silicone. Silicone sealant is recommended for bonding.
14. For long-term storage and leftover products after cutting and use, proper sealing measures must be taken to avoid exposure to organic environments such as aldehydes and benzenes.
15. During product installation and application, it is recommended to keep the entire product under the same ambient exposure conditions, so as to prevent inconsistent color discoloration of the product colloid caused by different exposure levels and environmental differences.

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