

# ARCH NEON • AF SERIES

Weather Fastness, -40~+60'C, IP67

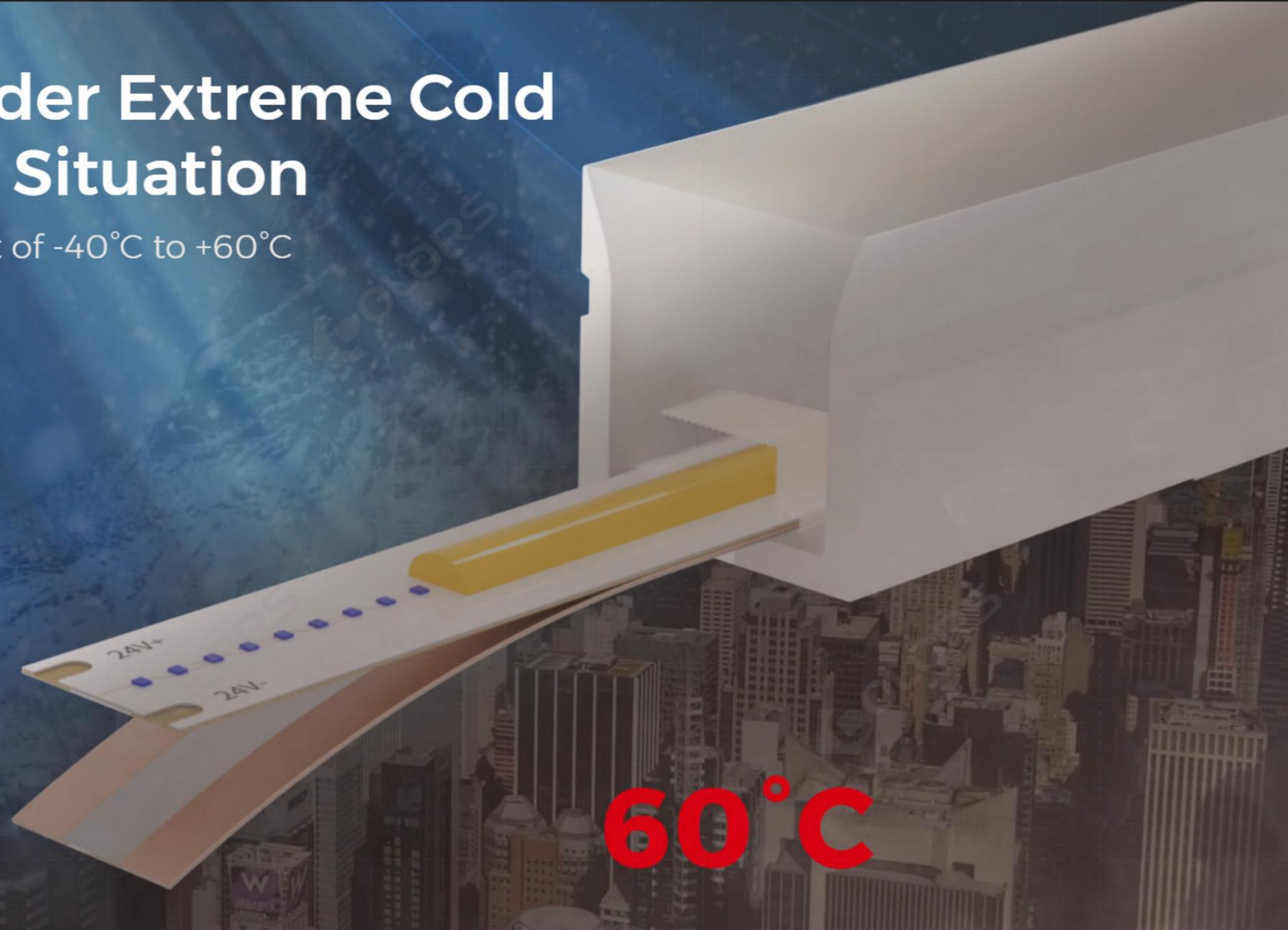


## Super Weather Resistance

### Super Durable Under Extreme Cold and Heat working Situation

Worry free used in the environment of  $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$

$-40^{\circ}\text{C}$



$60^{\circ}\text{C}$

# UV and Yellowing Resistance

Gas-phase silicone extrusion process, high-intensity  
3000 hours UV test, equivalent to  
9 years of outdoor use, almost no yellowing

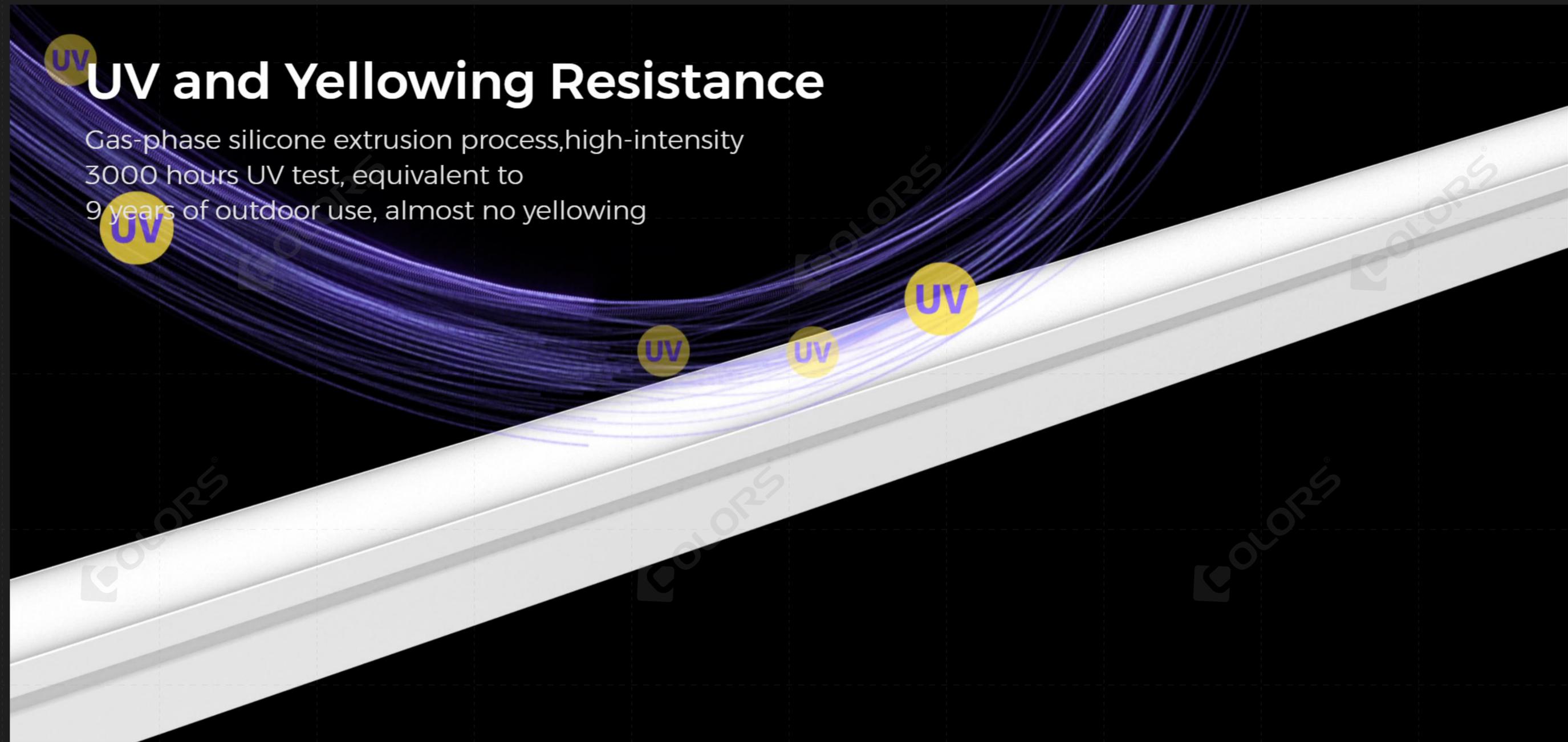
UV

UV

UV

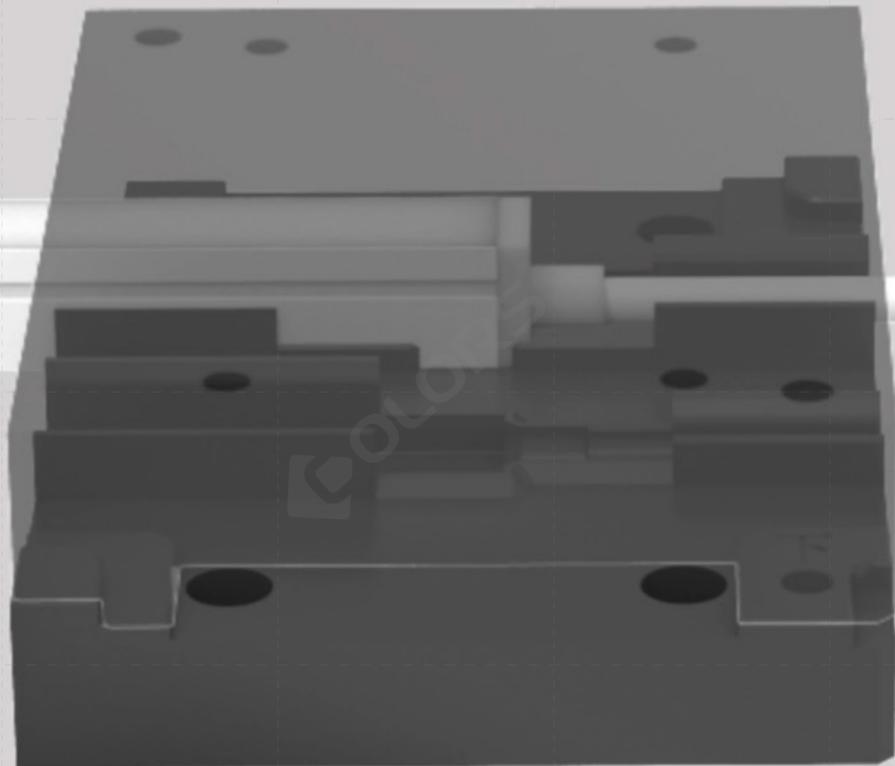
UV

UV



## No Worry About Siphonage and Water Seepage

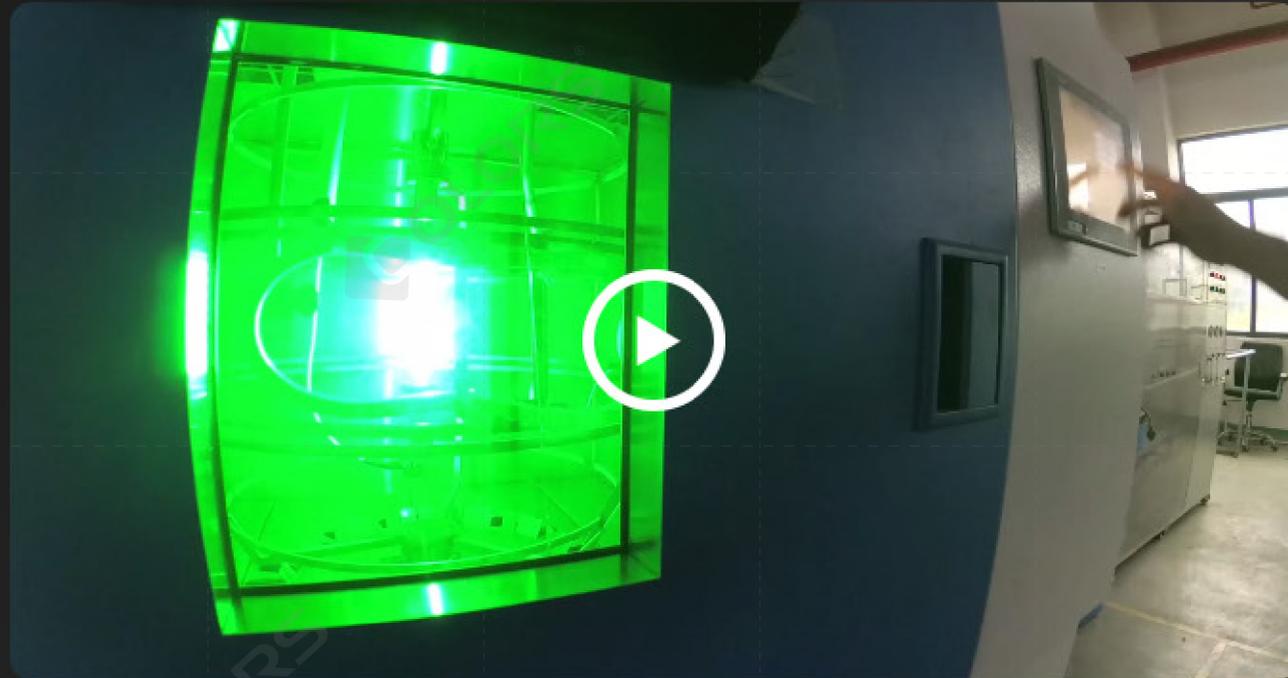
Uniform materials for the neon, end cap and terminal wire.  
Used integrated hot melt molding process



# Dual-Layer Protective Terminal

Dual-layer protective terminal ensure IP67 protection against rain and water immersion





**High-intensity 3000 Hours UV Test**  
Equivalent to 9 years of outdoor use almost no yellowing



**Ensure IP67 Protection Against Rain and Water Immersion**

Super Durable

## Anti-Breakage PCB Are More Durable

With an innovative 2in1 built-in anti-tensile PC line and backplane design, the anti-breakage PCB is more durable



## Anti-Dead Chips Without Dark Area

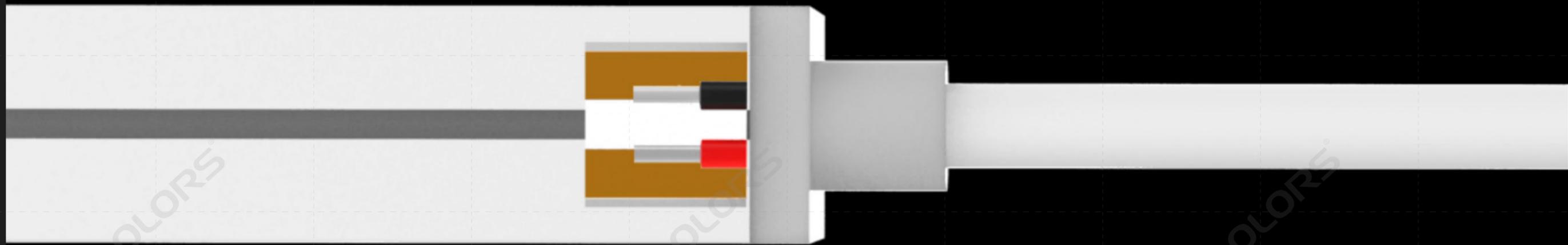
Dual chips parallel LEDs technology, special chip design, single chip breakage no affect the light effect



Highly Versatile

## Withstands Installation Stresses

Reinforced wire soldering technology,  
designed to overcome external forces





**Twisting test :5000 times & Tensile Test  $\geq 650\text{N}$**



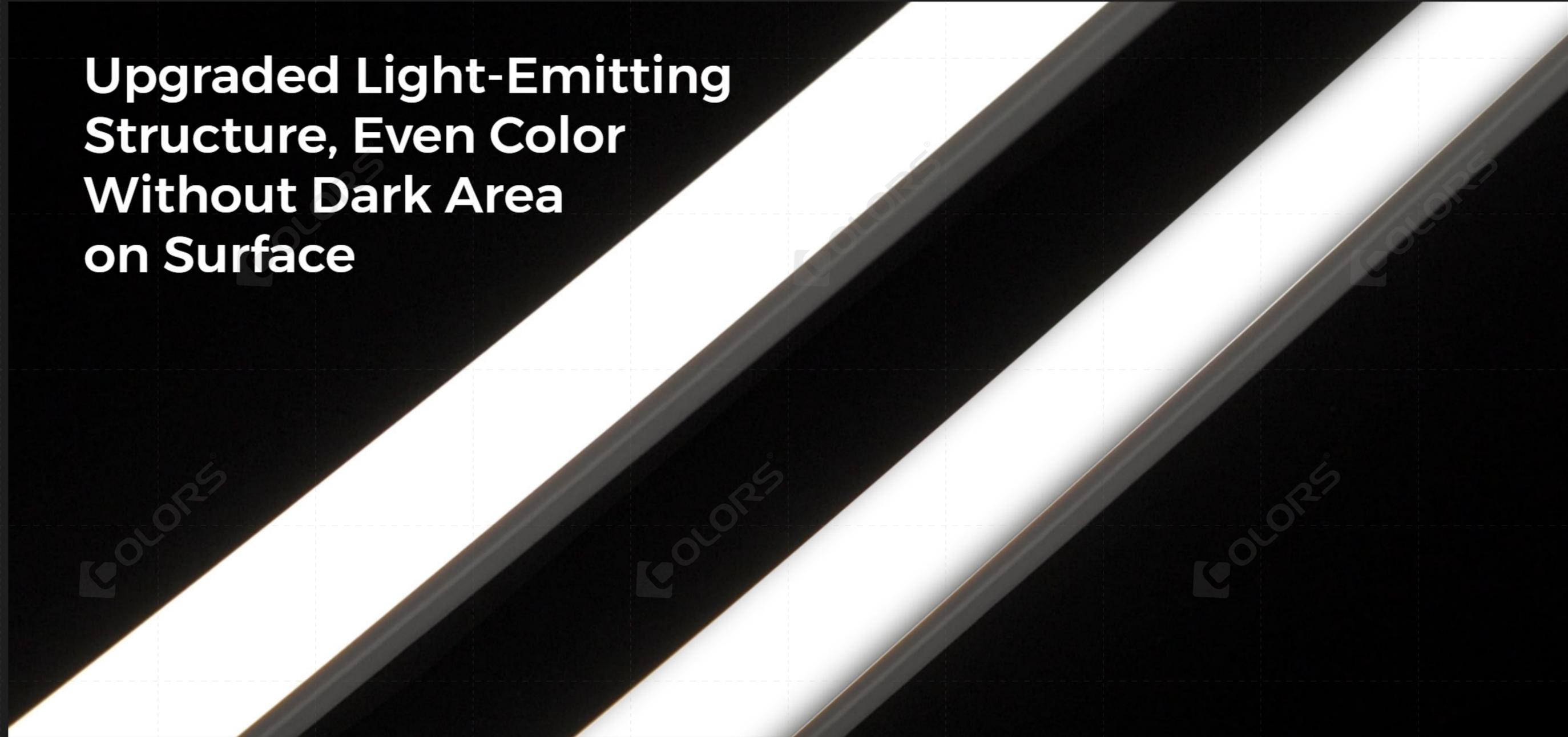
**Single Chip Failure Does Not Affect Normal Illumination**



**Designed to Overcome External Forces Such as Pressing, Pulling and Tugging During Installation**

## Superior Light Quality

**Upgraded Light-Emitting  
Structure, Even Color  
Without Dark Area  
on Surface**



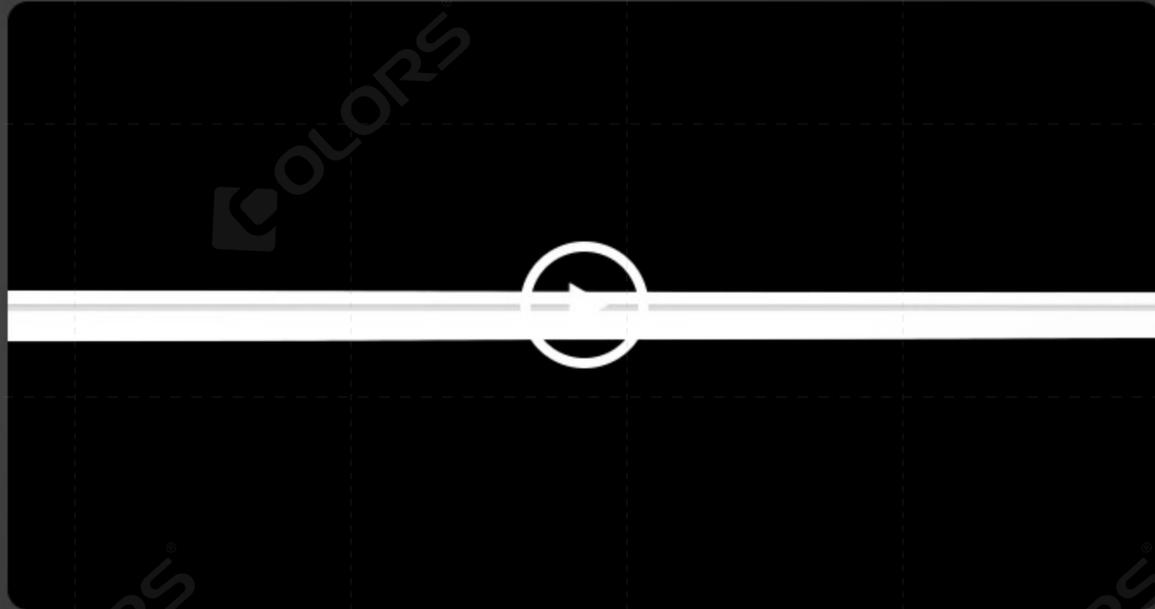
# Precision-Controlled Color Temperature After Silicone Coated

SDCM<5, ensuring color consistency

# 65536 Level Grayscale

DMX compatibility upgrade,  
multiple controller brands used freely





**Upgraded Light-Emitting Structure, Uniform light effect**



**SDCM<5, Ensuring Color Consistency**

# Light Color Standard

2200K

2700K

3000K

4000K

6500K

2200  
K

2700  
K

3000  
K

4000  
K

6500  
K

COLOR  
LIGHT

R G B

R G  
B W

DMX

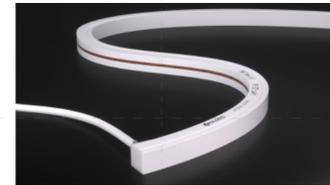
D M X

D M X

# High-rise Landmark Buildings



## Model Recommendation



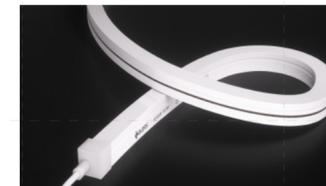
AFT1616



AFS1616



AFT2020



AFS2020



AHT1616



AHS1616



AHT2020



AHS2020

## Recommendation Reasons:

Tall buildings with long viewing distances: Recommend products with large light-emitting areas; flat neon strips offer better integration.

Extreme cold/hot areas: Recommend AF series products, featuring superior weather resistance, single-end cascading up to 50m, and comprehensive light color & control options.

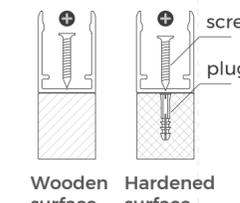
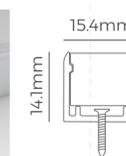
Non-extreme climates: Optional AH series neon strips with higher luminous efficiency; supports arbitrary cutting for precise length adaptation.

ENP end caps: No dark-area end caps, Ensures better splicing integration.

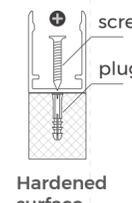
## Accessories



Flat mounting aluminum groove



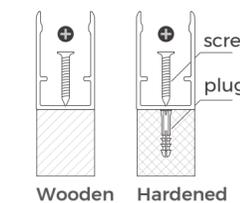
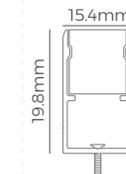
Wooden surface



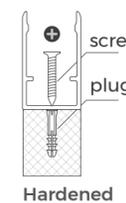
Hardened surface



Aluminum groove of reserved outlet position



Wooden surface

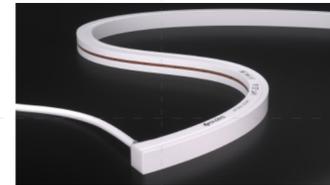


Hardened surface

# Public Cultural Buildings



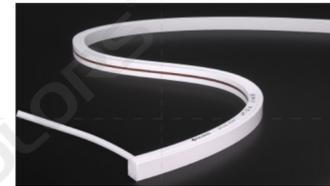
## Model Recommendation



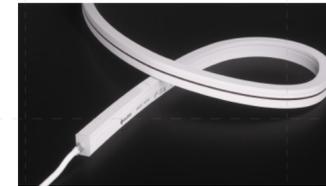
AFT1616



AFS1616



AFT312



AFS1217



AHT1616



AHS1616



AHT312



AHS1217

### Recommendation Reasons:

Tall buildings with long viewing distances: Recommend products with large light-emitting areas; flat neon strips offer better integration.

Extreme cold/hot areas: Recommend AF series products, featuring superior weather resistance, single-end cascading up to 50m, and comprehensive light color & control options.

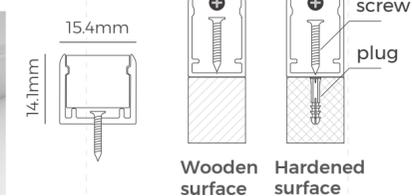
Non-extreme climates: Optional AH series neon strips with higher luminous efficiency; supports arbitrary cutting for precise length adaptation.

ENP end caps: No dark-area end caps, Ensures better splicing integration.

## Accessories



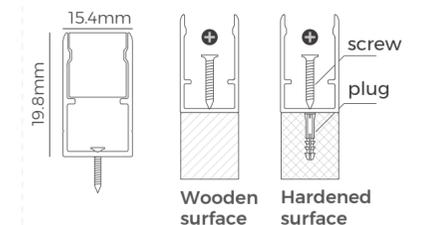
Flat mounting aluminum groove



Wooden surface Hardened surface



Aluminum groove of reserved outlet position

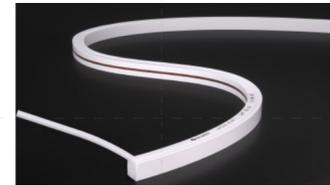


Wooden surface Hardened surface

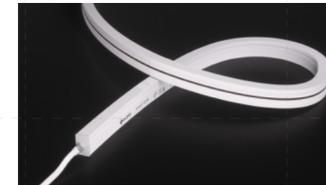
# Commercial Block Buildings



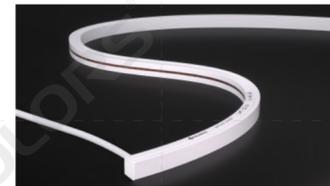
## Model Recommendation



AFT1312



AFS1217



AHT1312



AHS1217

## Recommendation Reasons:

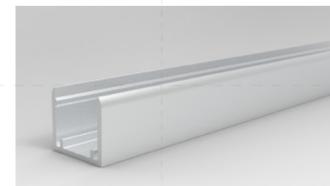
Commercial buildings (short viewing distances): Recommend products with small to medium light-emitting areas.

Neon installation in commercial areas (high length dimension requirements): Recommend AH series (free cutting, higher luminous efficiency); 15m-long cascading products are optional.

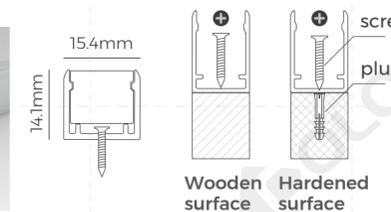
For ambient lighting and control-type products: Recommend AF series with richer light color control.

ENP end caps: No dark-area end caps, Ensures better splicing integration.

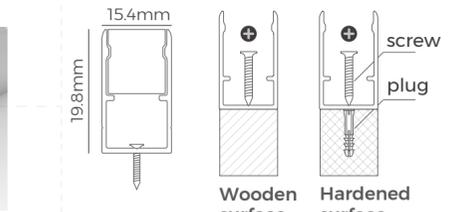
## Accessories



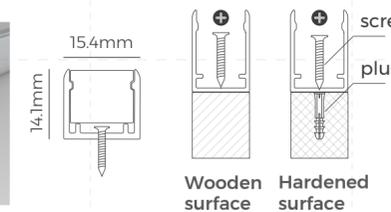
Flat mounting aluminum groove



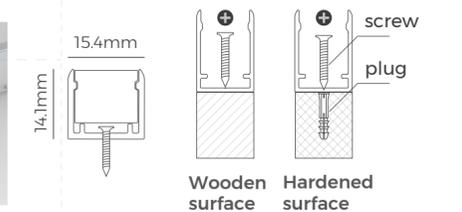
Aluminum groove of reserved outlet position



Side mounting aluminum groove



Moldable groove



# Scenario Case

## Xi'an International Football Center

Applications: Contour Lighting



## KANAS HEMU HOLIDAY INN

Applications: Cove lighting,  
Under Eave Lighting, Low  
Position Ambient Light



## SHERATON Zhaoqing Dinghu

Applications: Contour Lighting, Under Eave Lighting



## Shanghai Tencent Building

Applications: Contour  
Lighting



# Product Model



**AFT2020**  
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**AFT1616**  
Learn more >



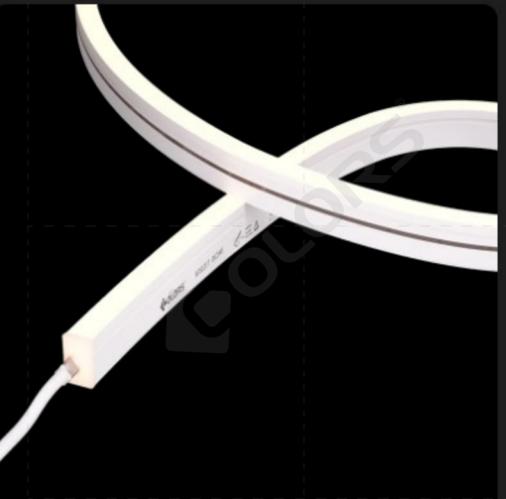
**AFT1615**  
Learn more >



**AFT1312U**  
Learn more >



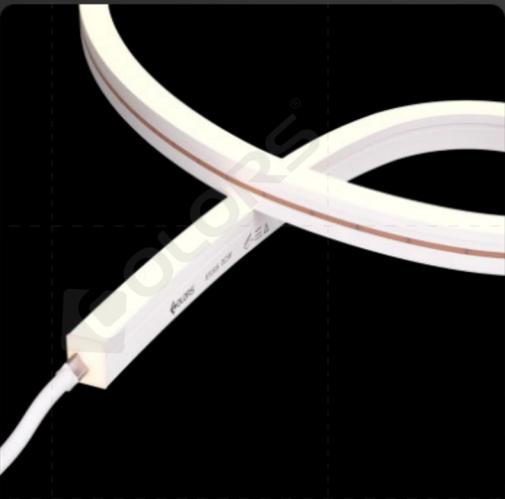
**AFT1312**  
Learn more >



**AFS1217**  
Learn more >



**AFS1224**  
Learn more >

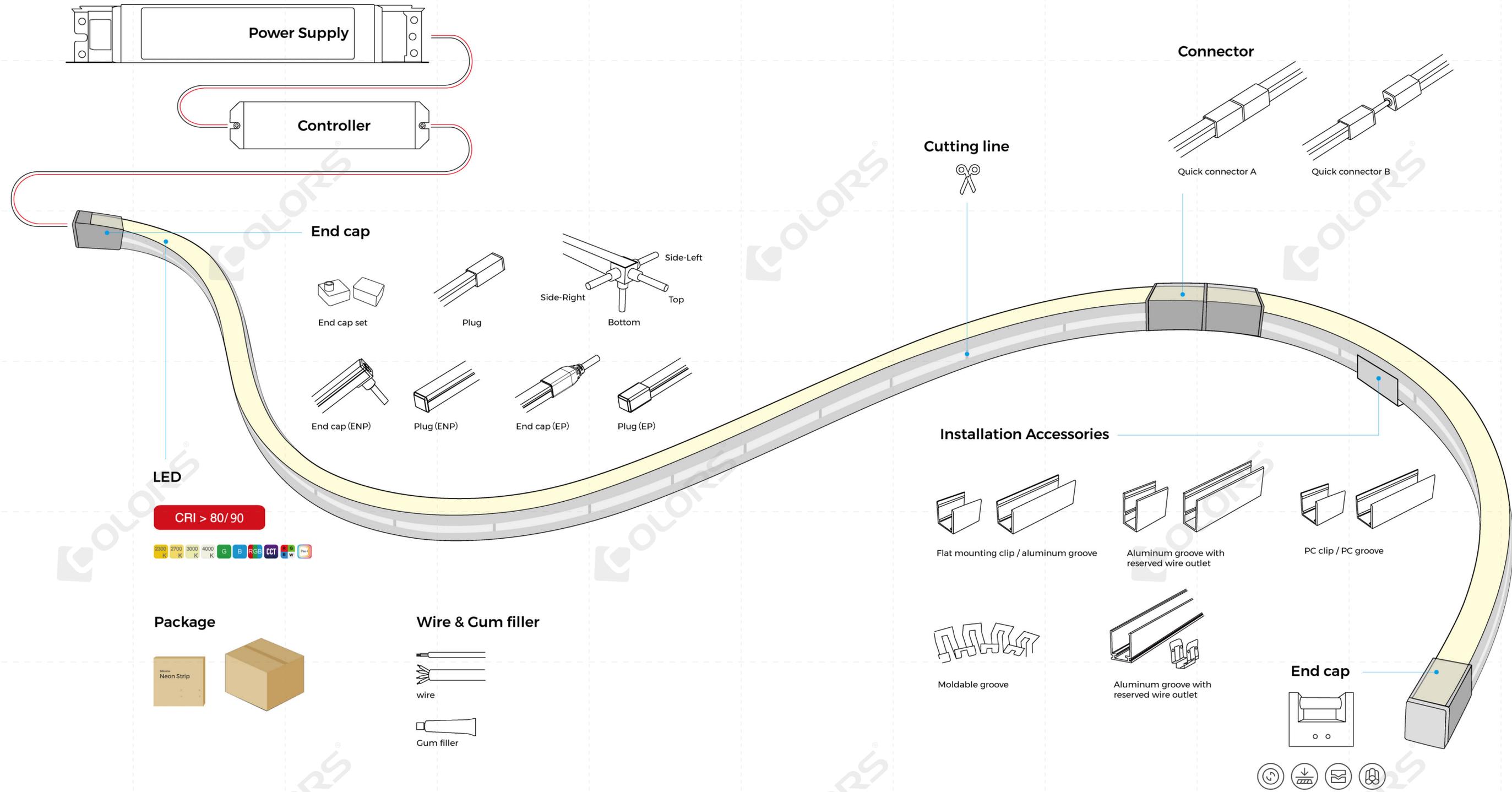


**AFS1616**  
Learn more >



**AFS2020**  
Learn more >

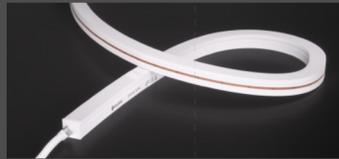
# Product Accessories



# More Recommendations

AF Series

## Weather fastness series



Applications in facade lighting / landscape lighting

Top bend:1312/1615/1616/2020/1312U  
Side bend:1217/1616/2020/1224

7 Years



IP67

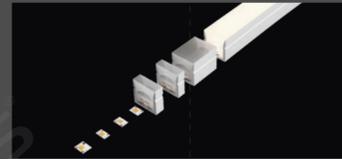
Temperature resistant  
-40°C~+60°C

SDCM<5

Length(white light)  
24V-10m/R;48V-20m/R

AH Series

## Free cutting series



Applications in facade lighting / landscape lighting

Top bend:1312/1615/1616/2020/1312U  
Side bend:1217/1616/2020/1224

7 Years



IP67

Temperature resistant  
-20°C~+50°C

SDCM<5

Length(white light)  
24V-10m/R;48V-20m/R

AN Series

## Sauna use series



Applications in sauna room

Top bend:1312/1615  
Side bend:1217

5 Years



IP67

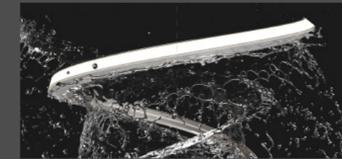
Temperature resistant  
-40°C~+110°C

/

Length(white light)  
24V-15m/R

AW Series

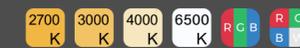
## Under-water use series



Applications in swimming pool / underwater

Top bend:2020  
Side bend:2020

5 Years



IP68

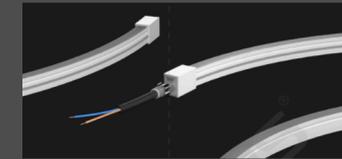
Temperature resistant  
-20°C~+50°C

/

Length(white light)  
24V-5m/R

AC Series

## AC230V series



Applications in bridge lighting / landscape lighting

Top bend:1312  
Side bend:1217/1224

5 Years



IP65

Temperature resistant  
-20°C~+50°C

/

Length(white light)  
230V-50m/R