



JRLite
LIGHT FOR FUTURE

JRLite

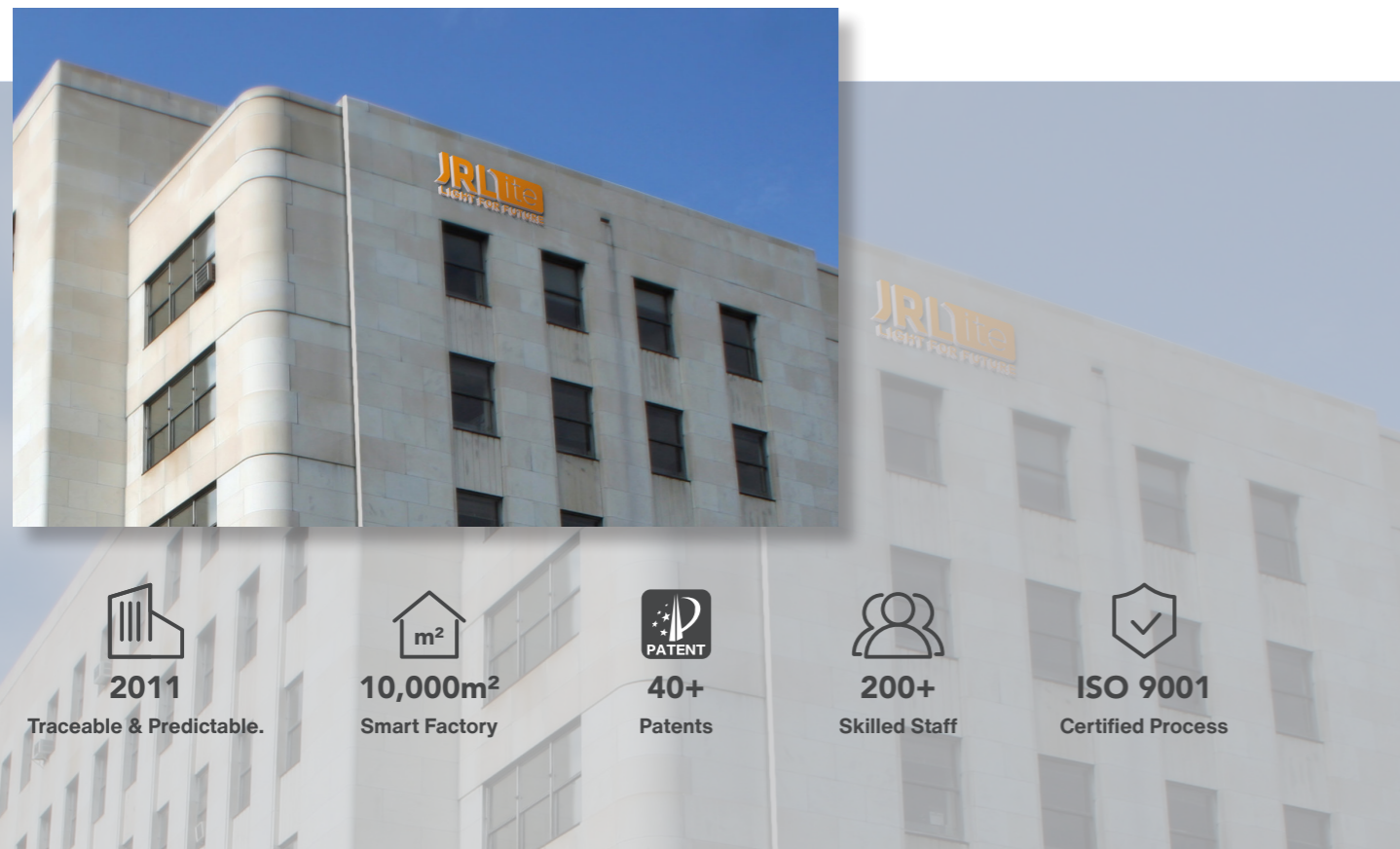
Who We Are?



Linear Lighting. Mastered.

Dedicated ODM manufacturing partner for professional lighting brands.

Your global partner for professional, stable, and tailored linear lighting. JRLite has evolved into a full-service manufacturing platform built for brand owners. We focus on one thing: delivering consistent quality and flexible customization that empowers you to scale.

We built JRLite patiently. We understand that true quality cannot be rushed. In an industry often plagued by SKU complexity, color inconsistency, and inventory pressure, our patience translates into your peace of mind. Our system is designed to simplify your operations while expanding your design possibilities—steadily, reliably, and without compromise.



- 
2011
 Traceable & Predictable.
- 
10,000m²
 Smart Factory
- 
40+
 Patents
- 
200+
 Skilled Staff
- 
ISO 9001
 Certified Process



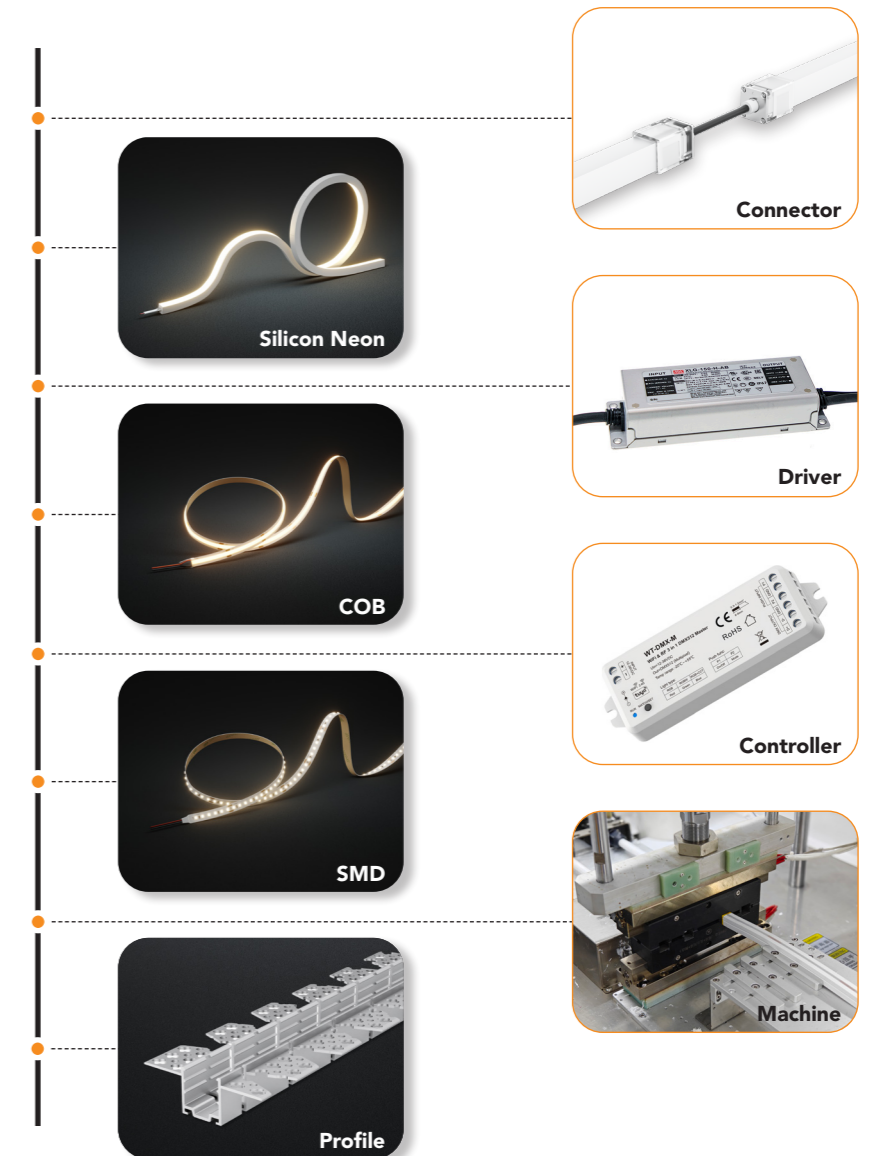
System Philosophy

Our linear system philosophy

We design our products as one coherent linear system. From LED sources and optics to profiles, connectivity and control, each platform is built to work together in a predictable way for lighting manufacturers.

Linear System

JRLite One Stop Linear Solution



Versatile Light Engines

Neon / COB / SMD options fit into one shared ecosystem.

Precision Housing

Architectural-grade aluminum profiles with optimized thermal management.

Solder-free Connectivity

Quick-click connectors for rapid on-site installation.

End Cap Machine

8-in-1 mold, freely customizable length, integrated native end cap

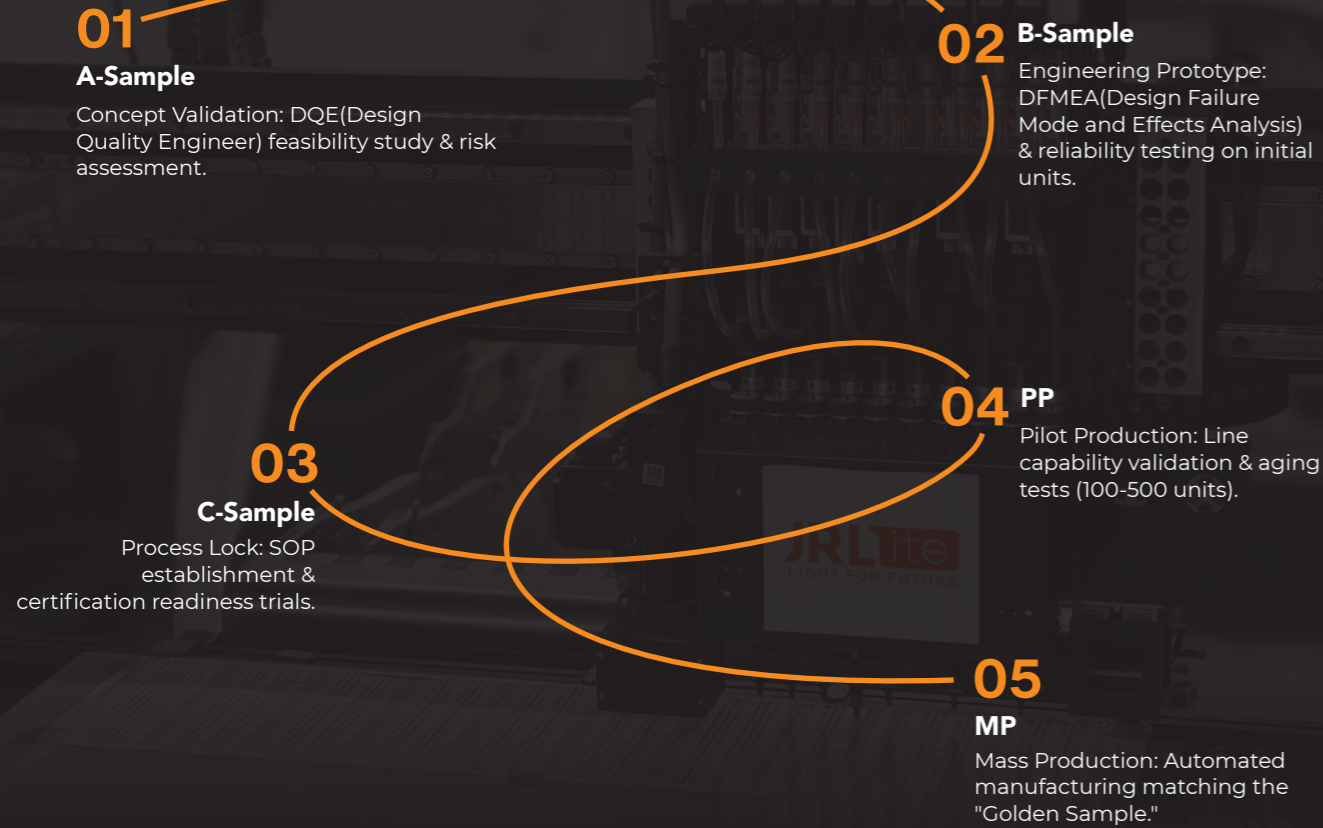
Fit & Forget

We don't just assemble parts; we engineer solutions. Our in-house R&D team bridges the gap between PCB electronics and architectural mechanics, ensuring every linear meter performs perfectly in the real world.



(Caption: Real-time X-Ray analysis verifying internal soldering integrity and wire bonding.)

From Concept Sample to Mass Production



Quality Built into Every Process

Our integrated production flow ensures consistency from raw granule to finished reel.



Visual Consistency
One Bin Policy & ≤ 3 SDCM



Premium Materials
Authorized Partner of Dow® & Lumileds



Agile Customization
Flexible Cut & Tailored Spectra

01 Premium Inputs

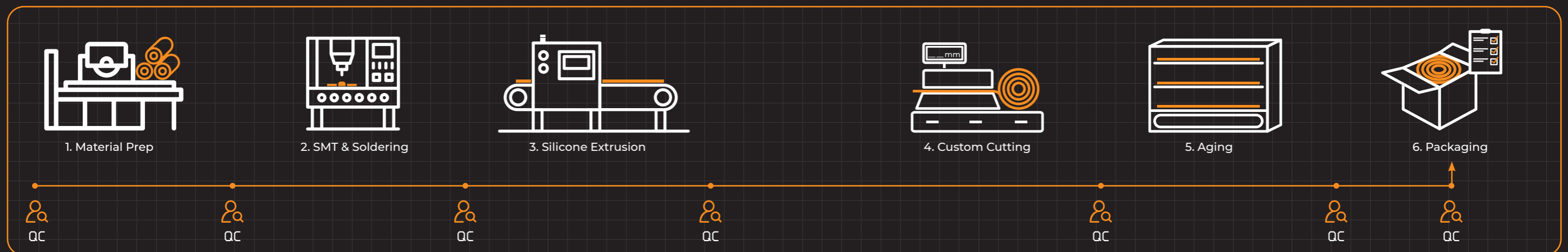
Consistency starts at the source. We partner exclusively with Dow® for optical-grade silicone to prevent yellowing and degradation. Every LED batch undergoes strict Incoming Quality Control, ensuring chromaticity lands strictly within a 3-step MacAdam ellipse for perfect visual uniformity.

03 100% Reliability

Quality defined by 7 distinct control nodes. We do not rely on random sampling; our rigorous framework covers every stage from soldering to packaging. We perform aging tests on every reel. Before delivery, products must pass final Outgoing Quality Control, including IP Rating immersion and electrical safety checks, ensuring full traceability.

02 Precision Extrusion

Engineered, not just molded. Our automated lines utilize advanced tri-color molding technology, permanently bonding the silicone jacket to the PCB. Real-time In-Process Quality Control strictly monitors extrusion speed and temperature, guaranteeing absolute structural consistency and long-term reliability across every meter.



Contents

Interactive Guide to Linear Solutions



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ACE SERIES

The benchmark for professional architectural linear systems.



P26 – P31

HELIX NEON

Revolutionary 3D bending with no-stress point engineering.



P32 – P39

SPECIALTY NEON

Specialized solutions for optics, heat, underwater, and glare control.



P40 – P43

APO SERIES

The rising star of minimalist indoor linear illumination.



P44 – P47

DECORATIVE SERIES

Aesthetic excellence featuring 360° emission and black elegance.



P48 – P55

COB & SMD

High-density precision and efficient foundational linear solutions.



P56

WALL WASHERS

Advanced wall washers and modules for commercial demands.



Mapping the Future of Linear Light.

Unleash the Light.



Crafted from pure architectural-grade silicone, our Neon Flex series redefines the boundaries of linear lighting. Whether outlining a skyscraper or accenting a joinery detail, JRLite delivers seamless, dot-free luminance that withstands the elements.

The Silicone Neon Platform

Dot-free illumination. Extreme flexibility. Infinite creativity.

Dow® Silicone

Extreme resistance to UV, seawater, and high & low temperatures.

Silicone Co-Extrusion

Advanced co-extrusion technology for a seamless matte finish and zero delamination.

IP68, IP69 & IK10

Submersible, high-pressure washdown proof, and impact resistant.

SDCM ≤ 3

Guaranteed color consistency: Reel to Reel, Batch to Batch, Year to Year.

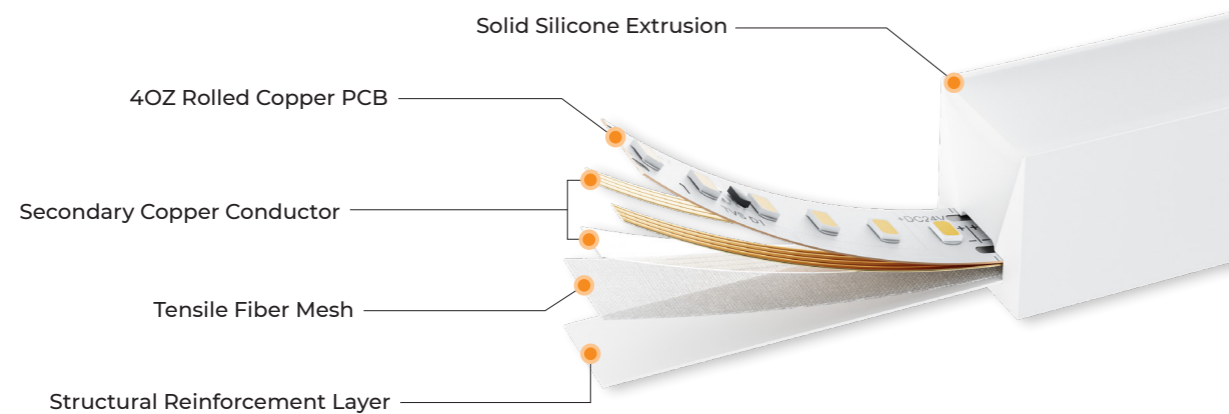
APPLICATION	PRODUCT FAMILY	MODEL	DIMENSION WxH (mm)	BEND DIR.	CCT RANGE	IP RATED	PAGE
Architectural & Facade	ACE	1617 (100LM/W HE optional)	16x17	TOP/SIDE	WHT/TW/RGB/RGBW/SPI/DMX	IP68 (Not for underwater)	P15
		1220 (63LM/W HE optional)	12x20	SIDE	WHT/TW/RGB/RGBW/SPI/DMX	IP68 (Not for underwater)	P15
		1010Y (3-side emitting)	10x10	TOP	WHT/TW	IP68 (Not for underwater)	P15
		1010 (FreeCut optional)	10x10	TOP/SIDE	WHT	IP68 (Not for underwater)	P15
	AXE	1617 (100lm/w / DMX control)	16x17	3D	WHT/DMX	IP68 (Not for underwater)	P30
	AXE	1617 SL (24V Super Long run 105m)	16x17	3D	WHT	IP68 (Not for underwater)	P30
	AIR	1617 (FreeCut optional)	16x17	3D	WHT/CCT SWITCH/POWER SWITCH	IP67	P26
		1010 (FreeCut optional)	10x10	3D	WHT/CCT SWITCH/POWER SWITCH	IP67	P26
	RONDO	RONDO (360° luminous)	Ø25	3D	WHT/TW/RGB/RGBW/SPI RGB	IP67	P44
Interior & Millwork Integration	ACE	0612 (FreeCut optional)	6.8x12	SIDE	WHT/TW	IP67	P15
		0606 (FreeCut optional)	6x6	TOP/SIDE	WHT	IP65	P15
		0408 (FreeCut optional)	4x8	SIDE	WHT/CCT SWITCH	IP65	P15
		0306 (FreeCut optional)	3x6	SIDE	WHT/CCT SWITCH	IP65	P15
	RONDO	RONDO MINI (360° luminous)	Ø13	3D	WHT	IP65	P44
	APO	APO 10 (FreeCut optional)	10x4.2	TOP	WHT	IP65	P40
		APO 10 HE (100lm/w high efficiency)	10x4.2	TOP	WHT/TW	IP65	P40
APO 15		15x7.4	TOP	RGB/RGBW/SPI RGB/SPI RGBW	IP65	P40	
Specialty	AG	1617 (Anti-glare; UGR<19)	16x17	TOP/SIDE	WHT/TW	IP68 (Not for underwater)	P32
	OPTIC	1617 (36° No scallop effects)	16x17	TOP/SIDE	WHT	IP68 (Not for underwater)	P34
	SAUNA	1617 (Max. Temp. 110°C)	16x17	TOP/SIDE	WHT/TW	IP68 (Not for underwater)	P36
	WAVE	1617 (For sea water / pool)	16x17	TOP/SIDE	WHT/TW/RGB/RGBW/SPI/DMX	IP68 & IP69	P38
	WHALE	WHALE (Wall washer, multi optic)	19.5x10	TOP	WHT	IP68 (Not for underwater)	P56
	WHALE PRO	WHALE PRO (Colorful wall washer, multi optic)	26x20	3D	WHT/TW/RGB/RGBW/DMX	IP67	P56

ACE Series – The Flagship Flexible Neon



THE ACE STANDARD
One ecosystem. Infinite contours.

ACE SERIES: REINFORCED CONSTRUCTION



1) Solid Silicone Extrusion

High-density, optical-grade silicone prevents moisture intrusion and yellowing. Engineered to withstand heavy impacts and extreme weather.

2) 4oz PCB + Secondary Copper

A 4oz rolled-copper PCB paired with a secondary copper conductor creates a redundant current path. If the PCB trace is damaged or cracks, the backup conductor can continue carrying power so the downstream section stays lit, while also reducing voltage drop and improving heat dissipation for longer runs.

3) Tensile Fiber Mesh

An embedded fiber skeleton acts as a safeguard against pulling tension. It protects delicate components from stretching damage during installation.

4) Bending-Direction Reinforcement

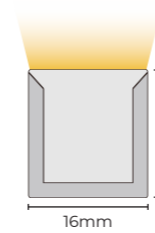
A reinforced backbone helps prevent improper bending and ensures the strip flexes only in its intended bending direction, reducing the risk of mechanical failure from incorrect handling.

ACE Series-Selection Guide

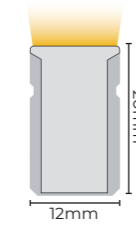
One Series. Every Dimension. Any Challenge.

Designed to simplify complex projects, the ACE Series offers a complete hierarchy of sizes. It seamlessly scales from large-format architectural lighting (1617/1220) down to delicate detail millwork (0606/0408). With its robust armored construction, ACE is the efficient tool you need for linear, curved, or hidden applications across interior and exterior landscapes.

LARGE

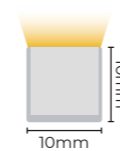


ACE 1617 (Top & Side)	
Voltage	DCDC24V
Color	WHT/TW/RGB/RGBW/ SPI&DMX RGB/RGBW
Min Bend	Ø300mm
Power	14.4W/m
Lumens	967lm/m@3000K
High Efficiency Version Optional	

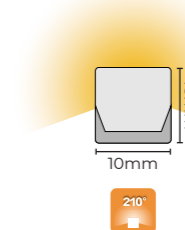


ACE1220 (Side View)	
Voltage	DC24V
Color	WHT/TW/RGB/RGBW/ SPI&DMX RGB/RGBW
Min Bend	Ø240mm
Power	14.4W/m
Lumens	670lm/m@3000K
High Efficiency Version Optional	

MEDIUM

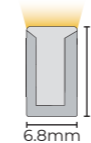


ACE 1010 (Top & Side)	
Voltage	DC24V
Color	WHT
Min Bend	Ø100mm
Power	11W/m
Lumens	780lm/m@3000K
Free Cut Version Optional	



ACE 1010Y (Three Side Emitting)	
Voltage	DC24V
Color	WHT/TW
Min Bend	Ø100mm
Power	11W/m
Lumens	850lm/m@3000K
Free Cut Version Optional	

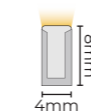
SMALL



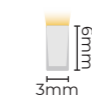
ACE 0612 (Side)	
Voltage	DC24V
Color	WHT
Min Bend	Ø120mm
Power	9.6W/m
Lumens	381lm/m@3000K
Free Cut Version Optional	



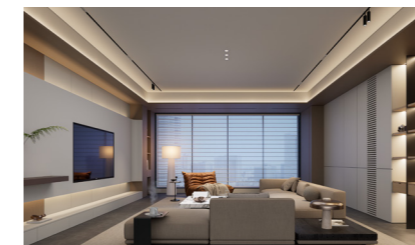
ACE 0606 (Top & Side)	
Voltage	DC24V
Color	WHT
Min Bend	Ø50mm
Power	6W/m
Lumens	465lm/m@3000K
Free Cut Version Optional	



ACE 0408 (Side)	
Voltage	DC24V
Color	WHT/CS
Min Bend	Ø30mm
Power	6W/m
Lumens	217lm/m@3000K
Free Cut Version Optional	



ACE 0306 (Side)	
Voltage	DC24V
Color	WHT/CS
Min Bend	Ø30mm
Power	5W/m
Lumens	81lm/m@3000K
Free Cut Version Optional	



One Family, Every Scale

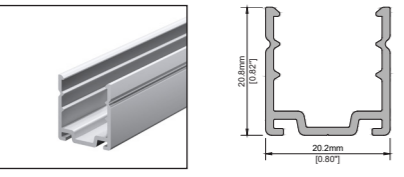
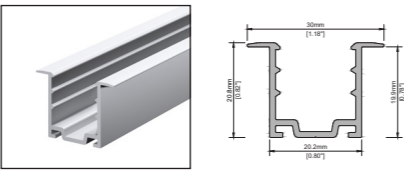
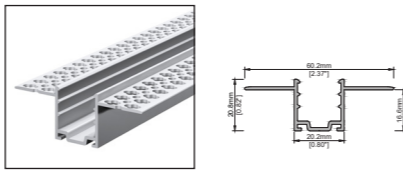
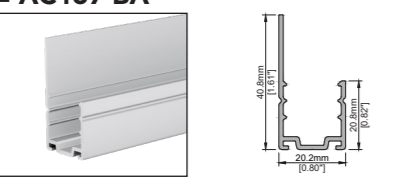
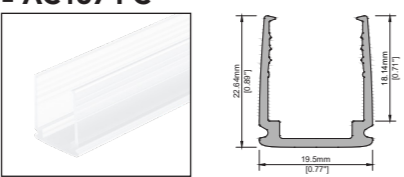
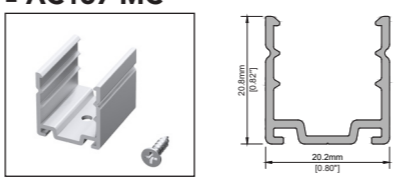
From defining massive architectural skylines to highlighting delicate cabinet joinery, the ACE series offers a cohesive lighting language. Whether you need the power of the 1617 for facades or the subtlety of the 0306 for millwork, you get the high industrial-grade durability and color consistency across every size.

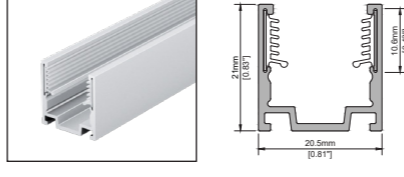
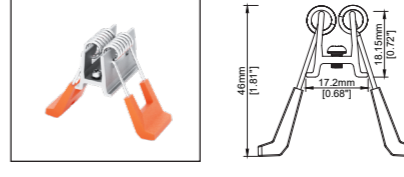


The 1617 Universal Mounting System: Standard Solutions

One Profile Ecosystem. Infinite Possibilities.

Designed for ultimate versatility, this comprehensive mounting system is fully compatible with all 16x17mm neon series, including ACE, SAUNA, and OPTIC. Whether you are installing a heat-resistant sauna line or a precision optical wall washer, these profiles provide a unified, professional installation platform. No need to stock different accessories for different lights. One system fits all.

<p>■ AC167-AP</p>  <table border="1"> <tr><td>Dimension</td><td>1000x20.2x20.8mm</td></tr> <tr><td>Material</td><td>Aluminium</td></tr> <tr><td>Color</td><td>Silver</td></tr> </table>	Dimension	1000x20.2x20.8mm	Material	Aluminium	Color	Silver	<p>■ AC167-EP</p>  <table border="1"> <tr><td>Dimension</td><td>1000x20.2x19.9mm</td></tr> <tr><td>Material</td><td>Aluminium</td></tr> <tr><td>Color</td><td>Silver</td></tr> </table>	Dimension	1000x20.2x19.9mm	Material	Aluminium	Color	Silver	<p>■ AC167-LP</p>  <table border="1"> <tr><td>Dimension</td><td>1000x20.2x16.6mm</td></tr> <tr><td>Material</td><td>Aluminium</td></tr> <tr><td>Color</td><td>Silver</td></tr> </table>	Dimension	1000x20.2x16.6mm	Material	Aluminium	Color	Silver
Dimension	1000x20.2x20.8mm																			
Material	Aluminium																			
Color	Silver																			
Dimension	1000x20.2x19.9mm																			
Material	Aluminium																			
Color	Silver																			
Dimension	1000x20.2x16.6mm																			
Material	Aluminium																			
Color	Silver																			
<p>■ AC167-BA</p>  <table border="1"> <tr><td>Dimension</td><td>1000x20.2x40.8mm</td></tr> <tr><td>Material</td><td>Aluminium</td></tr> <tr><td>Color</td><td>Silver</td></tr> </table>	Dimension	1000x20.2x40.8mm	Material	Aluminium	Color	Silver	<p>■ AC167-PC</p>  <table border="1"> <tr><td>Dimension</td><td>1000x19.5x22.64mm</td></tr> <tr><td>Material</td><td>Aluminium</td></tr> <tr><td>Color</td><td>Silver</td></tr> </table>	Dimension	1000x19.5x22.64mm	Material	Aluminium	Color	Silver	<p>■ AC167-MC</p>  <table border="1"> <tr><td>Dimension</td><td>25x20.2x20.8mm</td></tr> <tr><td>Material</td><td>Aluminium</td></tr> <tr><td>Color</td><td>Silver</td></tr> </table>	Dimension	25x20.2x20.8mm	Material	Aluminium	Color	Silver
Dimension	1000x20.2x40.8mm																			
Material	Aluminium																			
Color	Silver																			
Dimension	1000x19.5x22.64mm																			
Material	Aluminium																			
Color	Silver																			
Dimension	25x20.2x20.8mm																			
Material	Aluminium																			
Color	Silver																			

<p>■ AC167-SGP</p>  <table border="1"> <tr><td>Dimension</td><td>1000x20.5x21mm</td></tr> <tr><td>Material</td><td>Aluminium</td></tr> <tr><td>Color</td><td>Silver</td></tr> </table>	Dimension	1000x20.5x21mm	Material	Aluminium	Color	Silver	<p>■ AC167-SET-LC</p>  <table border="1"> <tr><td>Dimension</td><td>30x17.2x18.15mm</td></tr> <tr><td>Material</td><td>Aluminium</td></tr> <tr><td>Color</td><td>Silver</td></tr> </table>	Dimension	30x17.2x18.15mm	Material	Aluminium	Color	Silver
Dimension	1000x20.5x21mm												
Material	Aluminium												
Color	Silver												
Dimension	30x17.2x18.15mm												
Material	Aluminium												
Color	Silver												

01. The Straight Line Standard

Engineered from high-quality anodized aluminum. These rigid profiles provide the perfect straight edge for linear lighting, ensuring zero sagging and precise alignment for wall washing or direct view applications.

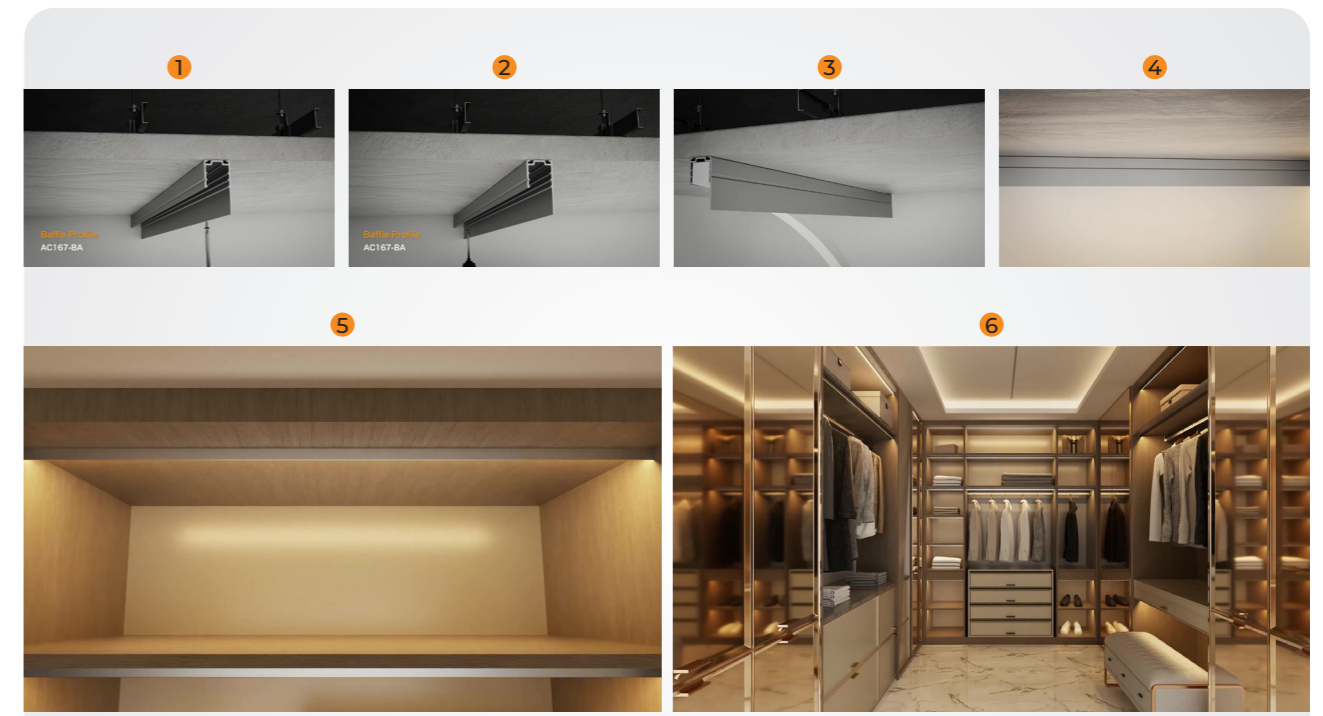
02. Integration Versatility

Designed for every surface.

- ▲ Surface Mount (AP): Clean, industrial aesthetics.
- ▲ Trimless Recessed (EP/LP): Mud-in design for seamless "light-from-wall" effects.
- ▲ Suspended: Pendant kits turn neon strips into floating linear fixtures.

03. Grip-Lock Technology

Every aluminum profile features precision internal serrations (teeth) that mechanically grip the neon body. This advanced friction lock ensures the strip stays securely in place without sagging or falling out, even when installed completely upside down.



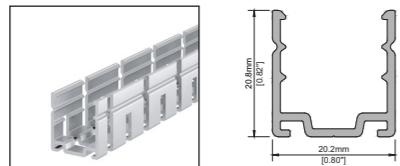
"See the Light, Not the Source"

Elevate your lighting design with the Baffle Series. By integrating a physical cut-off shield, this profile conceals the fixture itself, creating a sophisticated "wall-washing" or "grazing" effect. This eliminates harsh glare and ensures the focus remains on the texture of your clothes, products, or walls, not on the LEDs.

Creative Mounting Solutions: Curved & Angled

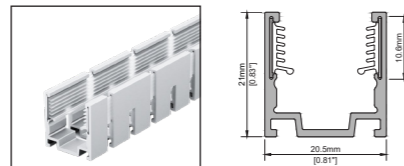
Flexible Profiles and Adjustable Brackets for Complex Geometries.

■ AC167-CR(Curved)



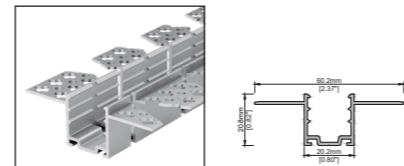
Dimension	1000x20.2x20.8mm
Material	Aluminium
Color	Silver
Min. Diameter	Ø600 mm(T&S)

■ AC167-SGP(Curved)



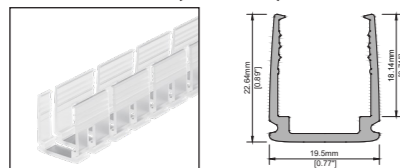
Dimension	1000x20.5x21mm
Material	Aluminium with silicone grooved
Color	Silver
Min. Diameter	Ø600 mm(S)

■ AC167-SCRL(Curved)



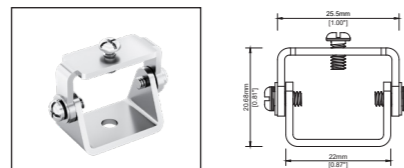
Dimension	1000x20.2x16.6mm
Material	Aluminium
Color	Silver
Min. Diameter	Ø600 mm(T&S)

■ AC167-CPC(Curved)



Dimension	1000x19.5x22.64mm
Material	PVC
Color	Transparent
Min. Diameter	Ø300 mm(T&S)

■ AC167-AMB



Dimension	25.5x15x20.68mm
Material	Stainless steel
Color	Silver

■ AC167-SET-LA



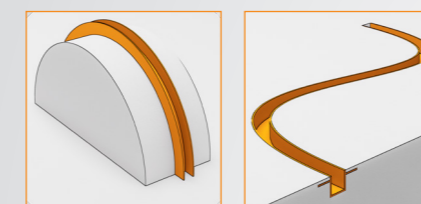
Dimension	20x25x60mm
Material	Aluminium
Color	Silver

Bendable Aluminum (The "Vertebrae" Design)

Our specialized Serrated Aluminum Profiles (CR/SGP/SCRL) feature a vertebrae-like structure. They can be bent by hand on-site to follow organic architectural curves while retaining the rigidity and heat dissipation benefits of metal.



The "Shape-Shifter": Bendable Recessed Profile

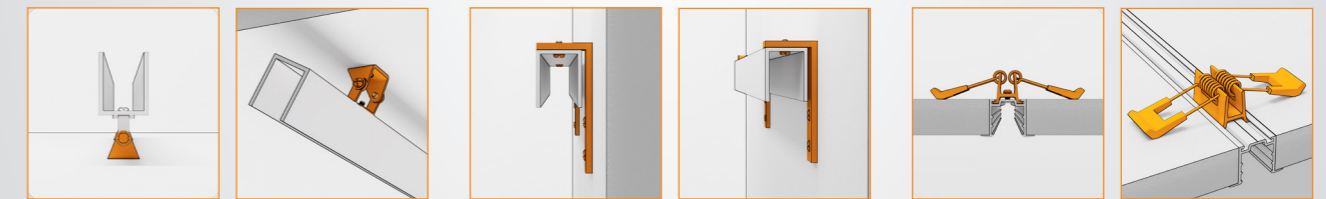


Forget rigid lines. Our specialized Bendable Recessed Profile (AC167-SCRL) allows you to draw free-flowing curves directly into the ceiling or wall.

Seamless Integration: The trimless design allows for mud-in installation, leaving only a clean, curved line of light.
On-Site Flexibility: Easily hand-bent to match any radius during installation, no custom fabrication required.

Specialty Mounting Solutions: Beyond the Flat Surface

Engineered to solve the most difficult installation challenges. When standard mounting isn't enough, our specialized clips step in.



Precision Aiming (AMB)

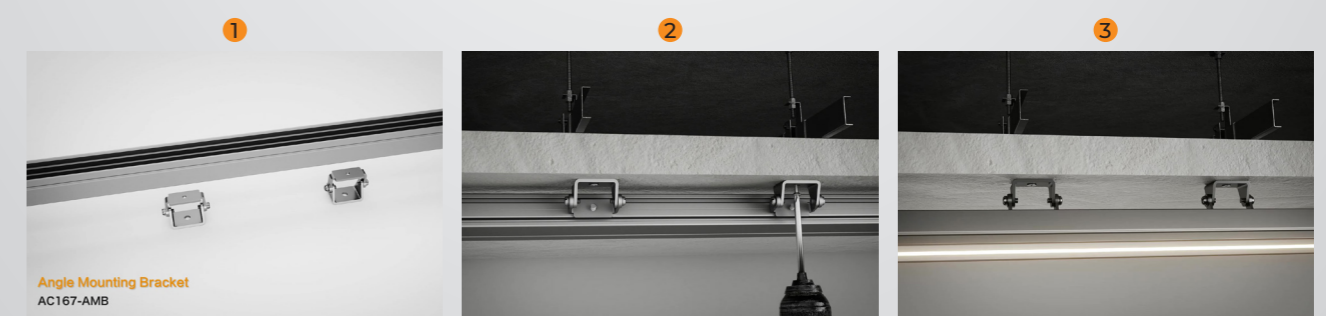
Transform static light into directional beams. Our stainless steel Adjustable Brackets allow post-installation rotation to perfectly wash walls or highlight details.

Clean Corners (SET-LA)

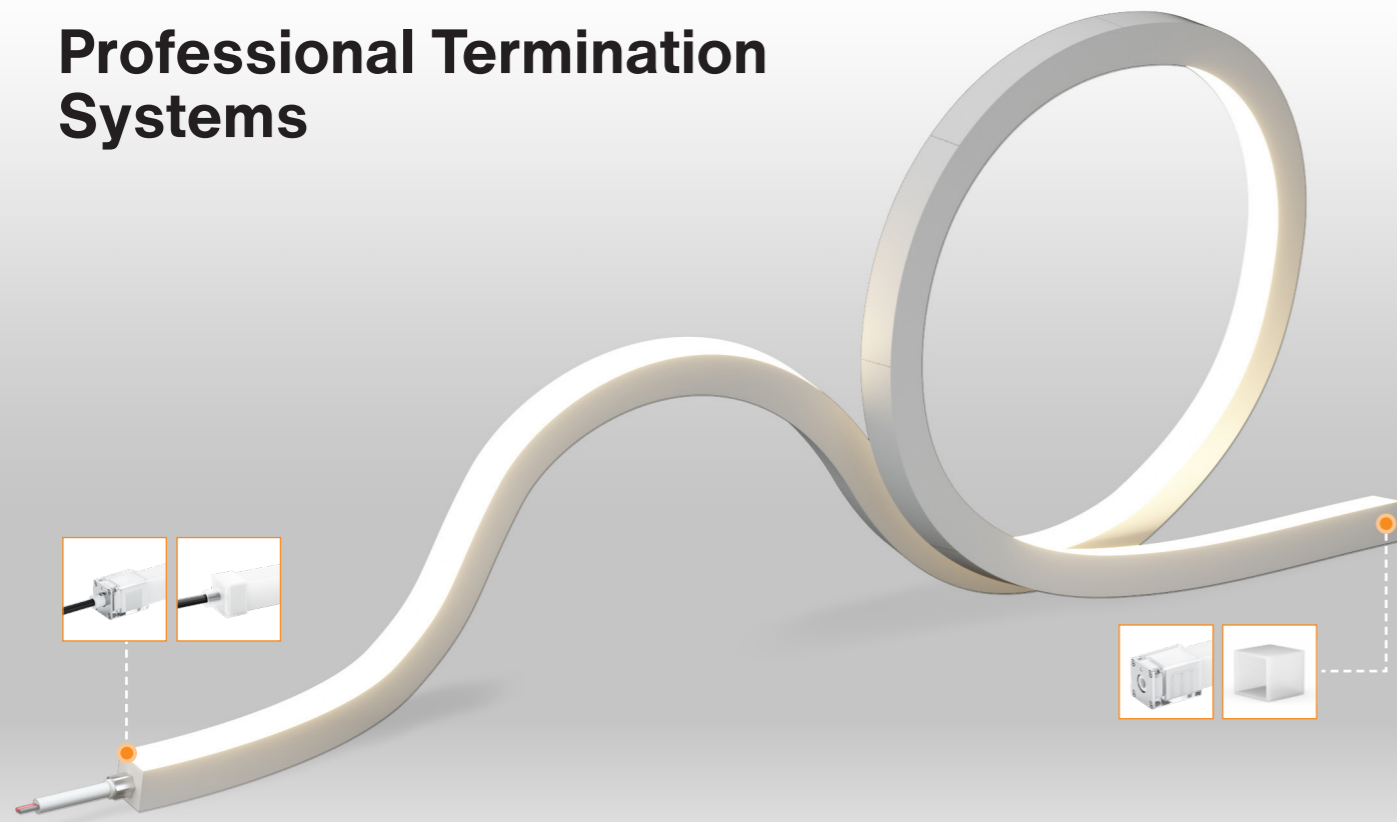
Eliminate awkward gaps. The Corner Connector joins profiles at a sharp 90° angle for continuous, uninterrupted perimeter lighting.

Ceiling Recess (SET-LC)

Secure your light in drywall. The spring-loaded Ceiling Clips snap profiles firmly into recessed slots, making installation as easy as a standard downlight.



Professional Termination Systems

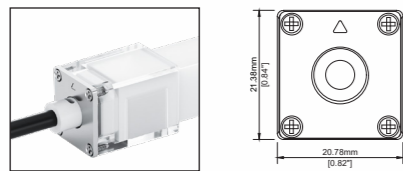


Two Distinct Solutions. One Waterproof Standard.

Whether you need a cost-effective factory seal or a rapid on-site assembly, our 1617 ecosystem offers the perfect connector for every installation scenario.

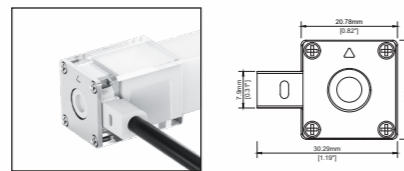
Option A

■ 1617-WS-C-2P-F/L-30



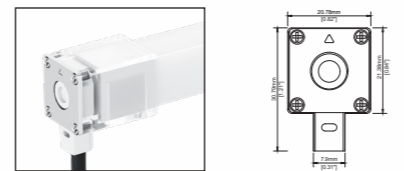
Dimension	30x20.8x21.4mm
Material	PVC
Color	Transparent

■ 1617-WS-C-2P-S/L-30



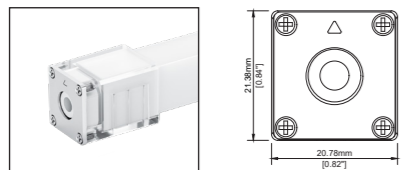
Dimension	30x20.8x21.4mm
Material	PVC
Color	Transparent

■ 1617-WS-C-2P-B/L-30



Dimension	30x20.8x21.4mm
Material	PVC
Color	Transparent

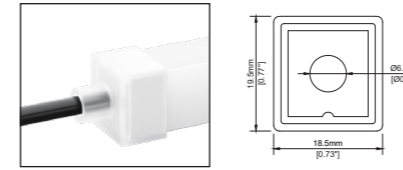
■ 1617T-WS



Dimension	30x20.8x21.4mm
Material	PVC
Color	Transparent

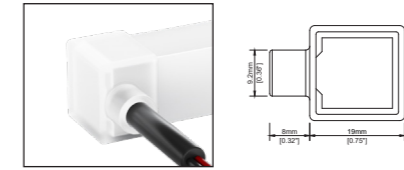
Option B

■ AC167-EC2-F



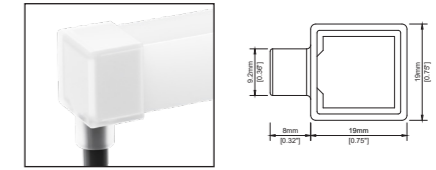
Dimension	13x18.5x19.5mm
Material	Silicone
Color	Opal

■ AC167-EC2-S



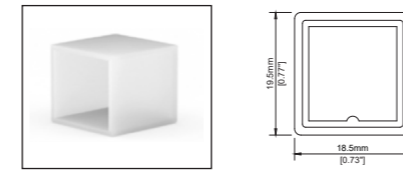
Dimension	14x19x19mm
Material	Silicone
Color	Opal

■ AC167-EC2-B



Dimension	14x19x19mm
Material	Silicone
Color	Opal

■ AC167-EC



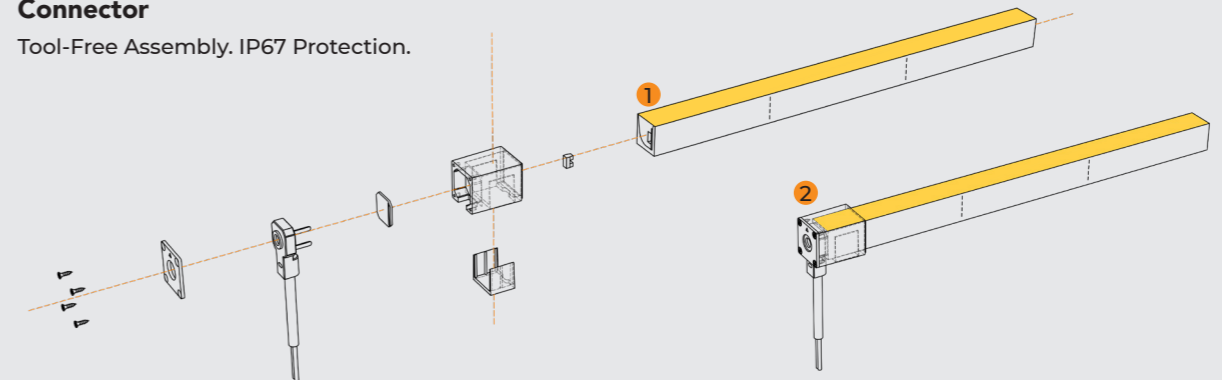
Dimension	14x19x19mm
Material	Silicone
Color	Opal

Option A: Rapid DIY Connectors (The Snap-On Solution)

- ▲ The Concept: Solder-free mechanical termination.
- ▲ Pros: Zero Curing Time. Assemble in minutes without waiting for glue to dry.
- ▲ Profile Ready: Engineered with a slim footprint to fit flush outside our aluminum profiles for a seamless look.
- ▲ Cable Entries: Available in Direct, Side, and Bottom exits to suit any wiring direction.

Structure & Components of the DIY Connector

Tool-Free Assembly. IP67 Protection.



"From component to completion in just 7 steps. The logical choice for the Quick-Connect system."

Option B: Standard Silicone Caps (The Glued Solution)

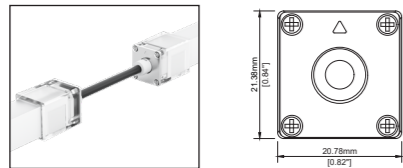
- ▲ The Concept: Traditional silicone-glued end caps providing a chemical bond.
- ▲ Pros: Extremely cost-effective and simple.
- ▲ Note: Due to the added thickness of the silicone wall (the "Mushroom Head" effect), these caps represent the max dimension and cannot fit inside standard mounting profiles. Ideal for concealed runs.

System Extension & Local Capability



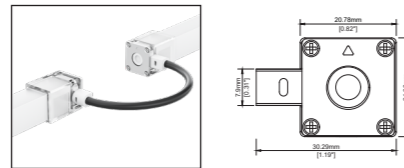
Seamless Jumpers for Extension. Anti-Wicking Technology for Longevity.

1617T-WS-J-2P-F/LR-7



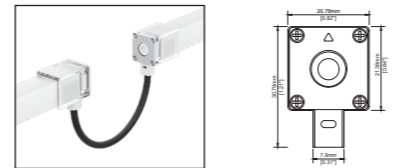
Dimension	20.8x21.4mm
Material	PVC
Color	Transparent

1617T-WS-J-2P-S/LR-7



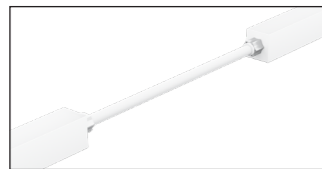
Dimension	20.8x21.4mm
Material	PVC
Color	Transparent

1617T-WS-J-2P-B/LR-7



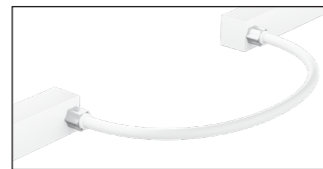
Dimension	20.8x21.4mm
Material	PVC
Color	Transparent

1617T-SI-J-2P-F/LR-15



Dimension	16x17mm
Material	Silicone
Color	Opal

1617T-SI-J-2P-S/LR-15



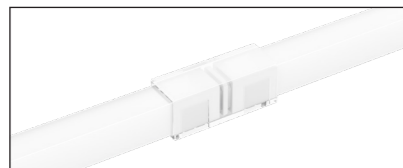
Dimension	16x17mm
Material	Silicone
Color	Opal

1617T-SI-J-2P-B/LR-15



Dimension	16x17mm/
Material	Silicone
Color	Opal

1617T-NS-J-2P



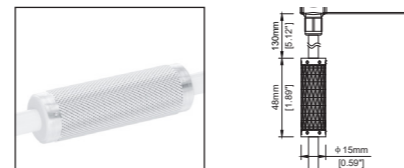
Dimension	20.8x21.4mm
Protection	IP20
Material	PVC
Color	Transparent

AD007-2



Wire Gauge	0.519mm ² /20AWG
Protection	IP68 (Not for underwater)
Material	PVC
Color	Black/White

Default ACC



Dimension	48x15mm
Material	Copper
Color	Silver

Silicone Molded Jumpers (Factory Standard)

Pre-made with fixed cable lengths. Ideal for standard layouts where the distance between segments is known. Simple, reliable, and cost-effective.

Quick DIY Connectors (On-Site Flexible)

Allows you to customize the jumper cable length on-site. Perfect for navigating complex architectural obstacles or irregular corners where factory lengths won't fit.



Empower Local Production: Custom Lengths with Integrated End Caps.

Transform from reseller to manufacturer. Realize "Zero Lead Time" and optimize inventory costs.



Key Features & Advantages

01. Safety First

CE Compliant & Full Safety Guarding. Designed for operator peace of mind. The machine features full safety guarding and built-in alert systems to prevent accidents. Simple to operate with minimal training required.

02. Maximum Efficiency

8-in-1 Mold • Quick Change. One mold set handles multiple profiles (1617/1615/1220 Top & Side), reducing equipment cost. With a 20-minute heat-up time and rapid mold switching (Tap the screen to switch quickly), you maximize uptime and production speed.

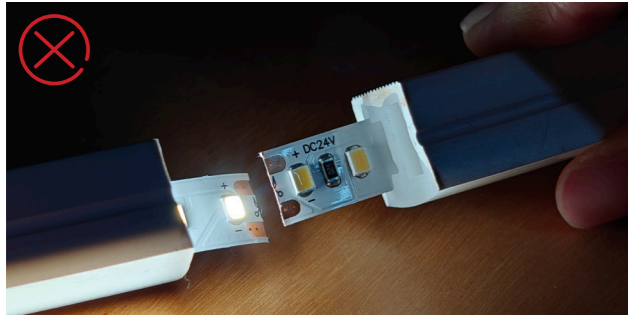
03. The ROI Logic

Slash Inventory & Seize Opportunities. Stock standard reels instead of thousands of custom SKUs. By producing locally, you can respond instantly to urgent project demands. Typical ROI is achieved within 6-12 months.

The JRLITE Difference: Engineered for Reality

Thoughtful Engineering--Three invisible details that save your project.

Feature 01: The "Life-Saver" Copper Strip



We heard:

On complex installation sites, rough handling or excessive bending often cracks the PCB. With traditional neon, a single crack kills the entire remaining run, forcing costly replacements.



We offer:

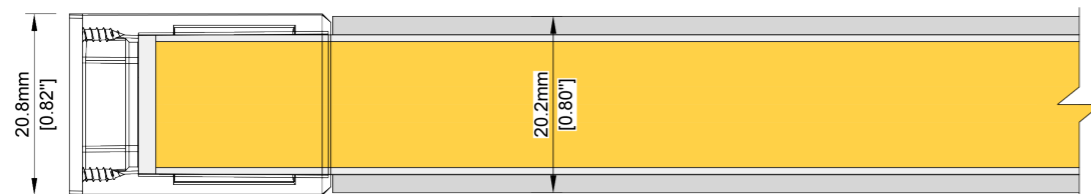
Peace of mind with "Double Insurance"

We embedded a continuous copper strip on the back of the PCB. Even if the circuit board physically snaps, this backup highway keeps the power flowing. The rest of the neon stays lit, ensuring the show goes on.

Feature 02: The "Flush-Fit" DIY Connector

We heard:

Most "DIY" connectors on the market are bulky. After attaching them, the neon head becomes wider than the body (the "Mushroom Head" effect), making it impossible to fit back into the pre-cut mounting slot or profile.



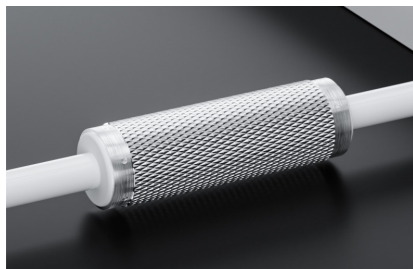
We offer: Profile-Ready Precision

Our transparent snap connector is engineered to match the exact width of our aluminum profile ecosystem. Cut it, snap it, and slide it in. It fits flush inside the installation channel with zero protrusion, maintaining a perfect, seamless architectural line.

Feature 03: The "Anti-Siphon Ferrule"

We heard:

Water doesn't just splash; it climbs. Through "capillary action," moisture sucks itself up through the microscopic gaps in wire strands, traveling meters inside the cable to corrode the LED chips from within.



We offer: Solid Metal Stop

We don't just seal; we block. Our specialized Anti-Siphon Ferrules create a solid metal barrier that physically stops air and water vapor.

Standard Protection (Nickel-Plated Copper)

Best For: General Outdoor Landscape, Facades.

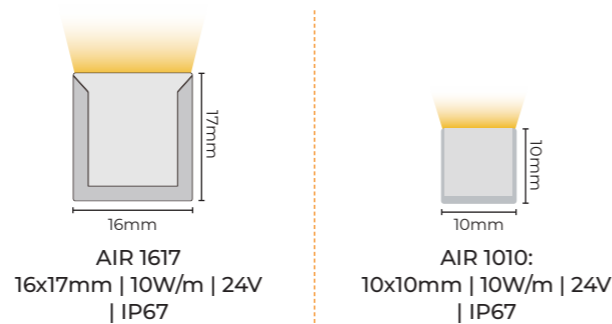
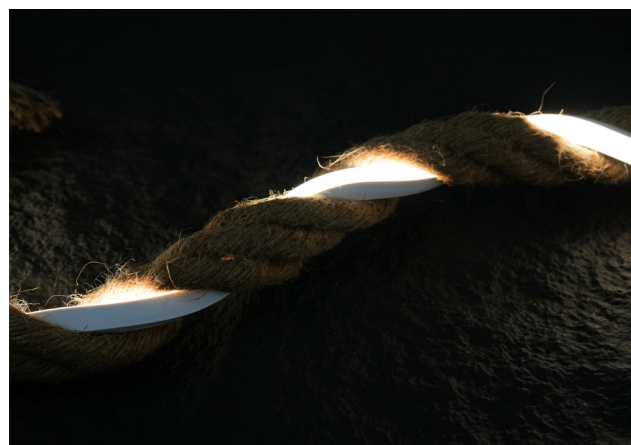
Features: Excellent conductivity and corrosion resistance for standard rain/humidity exposure.

Standard on nearly all outdoor neon series.



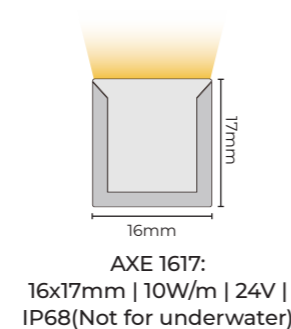
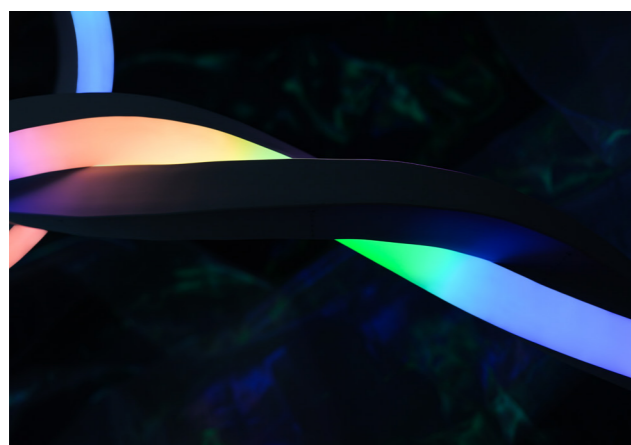
HELIX Neon - Defining "True 3D"

HELIX AIR: Standard 3D (IP67)

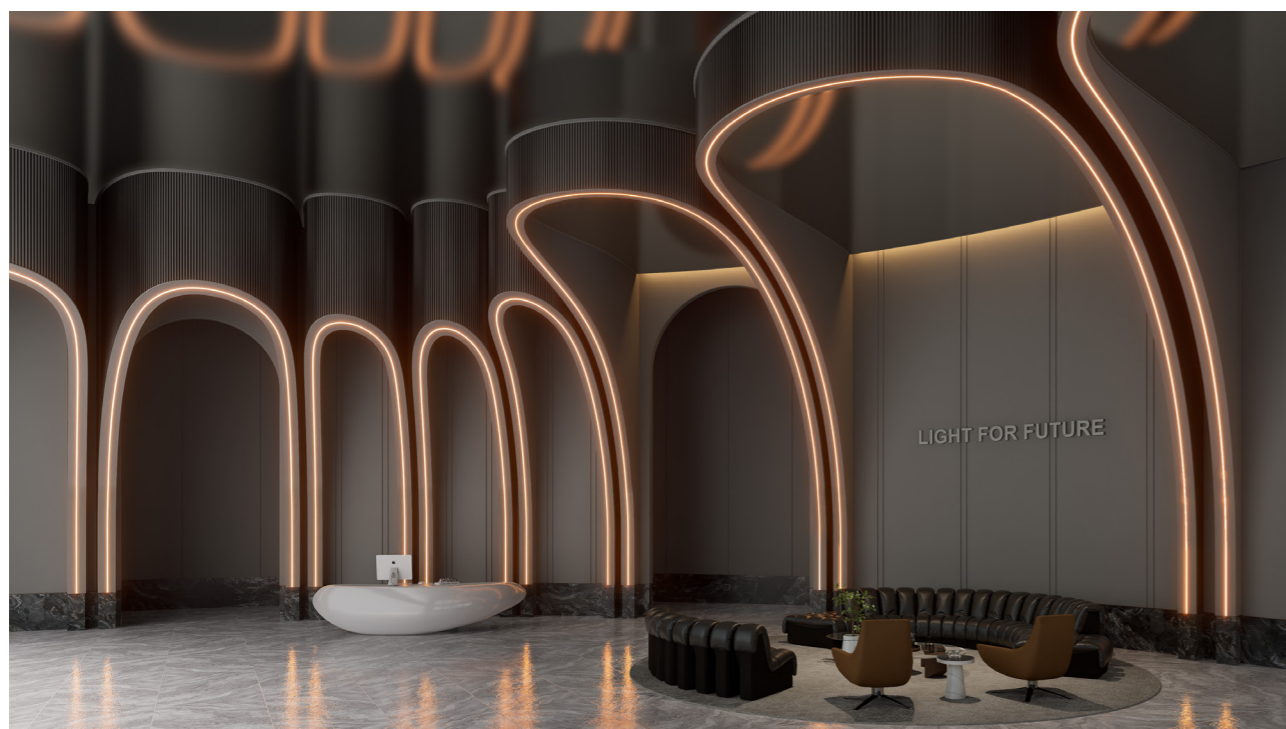


- The versatile choice for universal dual-bend applications.
- Available in 1617 & 1010

HELIX AXE: Long-Run 3D (IP68)



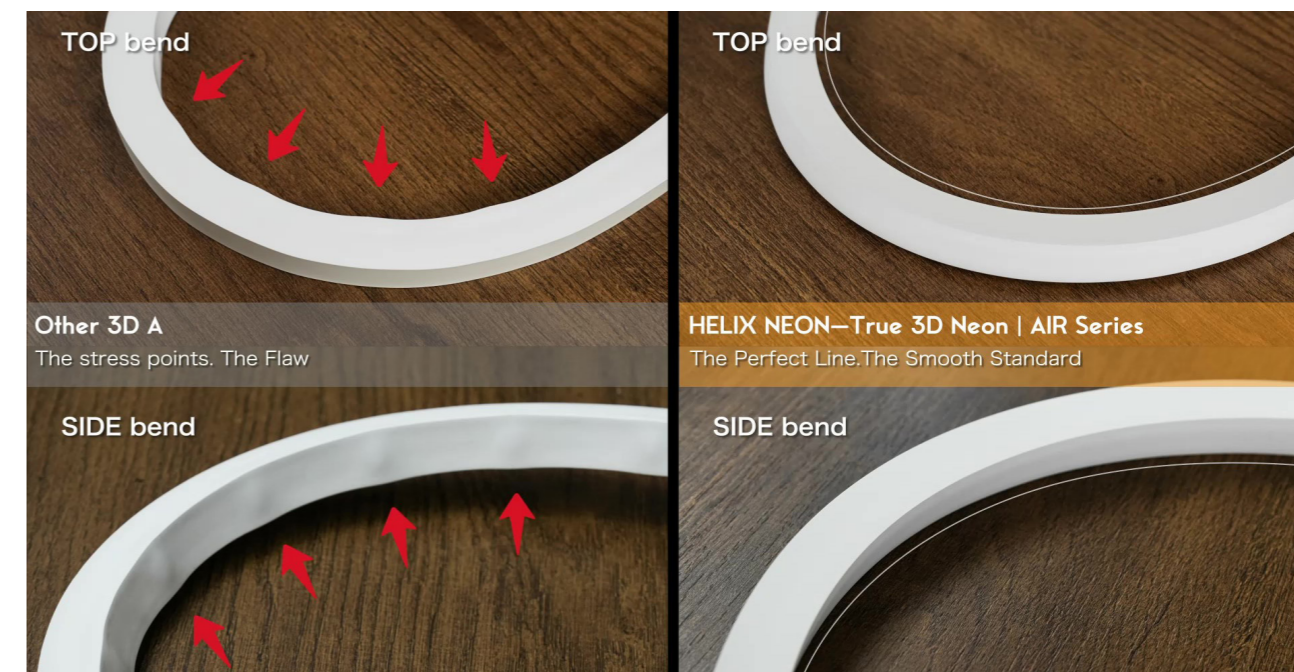
- Heavy-duty construction. Up to 105 meters double feed in. Addressable RGBW for dynamic facades.



What is HELIX Neon? Redefining the Standard of Dual-Bend Neon

Feature A: NO STRESS POINTS

The Problem: Standard 3D neon suffers from internal compression, creating "bulges" when bent. These weak spots risk silicone rupture, water ingress, and popping out of profiles.
The HELIX Solution: Our Zero-Stress Internal Structure eliminates compression. The neon stays perfectly smooth in any bend, preserving IP67 & IP68 integrity and ensuring a seamless, flush fit.



Feature B: NO ROLL / FLAT IN FACT

The Problem: Poor structure causes "rolling" or twisting, where a side bend creates unwanted torque. This tension damages clips over time, causing the light to detach.
The HELIX Solution: Engineered with a Mechanically Neutral Axis, HELIX stays "Flat in Fact." It bends strictly on the intended axis without twisting, ensuring zero stress on accessories for long-term safety.



HELIX Neon: Performance & Precision

01. High Efficacy: From Decoration to Illumination

100lm/W Output

- HELIX isn't just for looking at; it's for seeing by.
- While standard 3D neons (approx. 60-70lm/W) are limited to decorative accents, HELIX's 100lm/W efficacy is powerful enough for functional illumination. It opens entirely new application opportunities: from general lighting to bright architectural highlights.

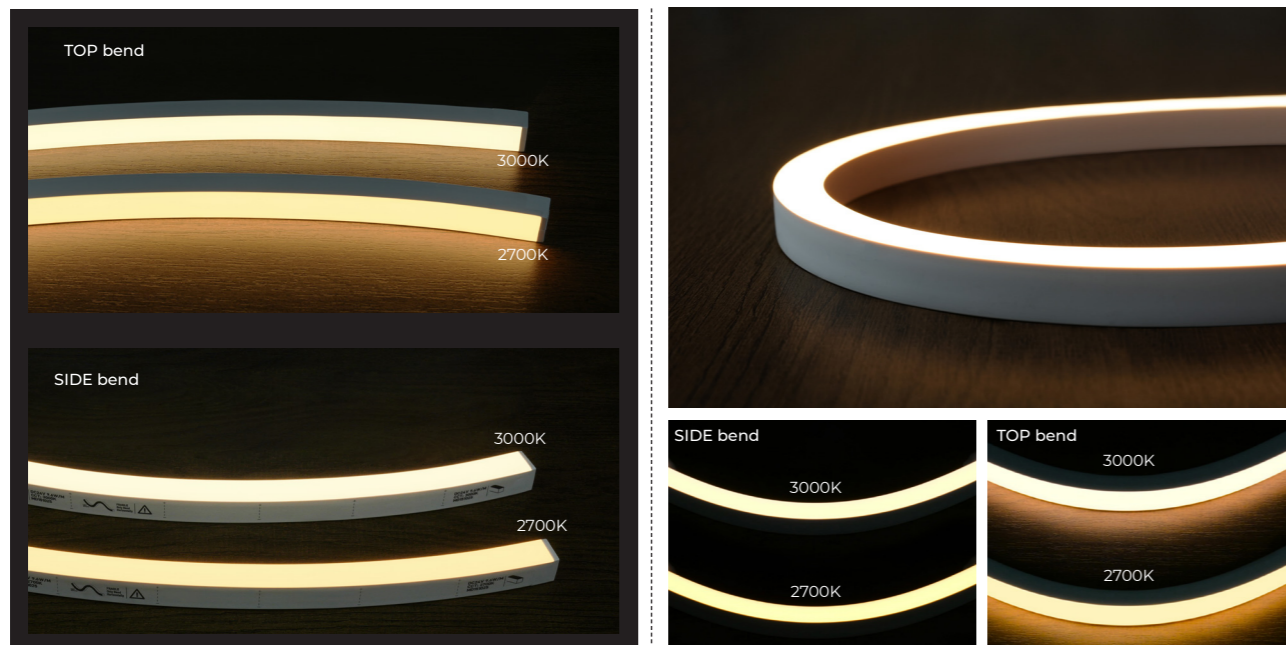


02. CCT Switch: Smart Inventory Strategy

SKU 4 to 1

Simplify your warehouse. With the built-in CCT Dip Switch, you no longer need to stock separate reels for 2700K and 3000K.

- **Stock Value:** Reduces inventory costs significantly.
- **On-Site Clarity:** Clear markings ensure electricians and installers know exactly which setting to use, eliminating confusion.



The "Zero-Gap" Solution: AIR Free Cut Technology

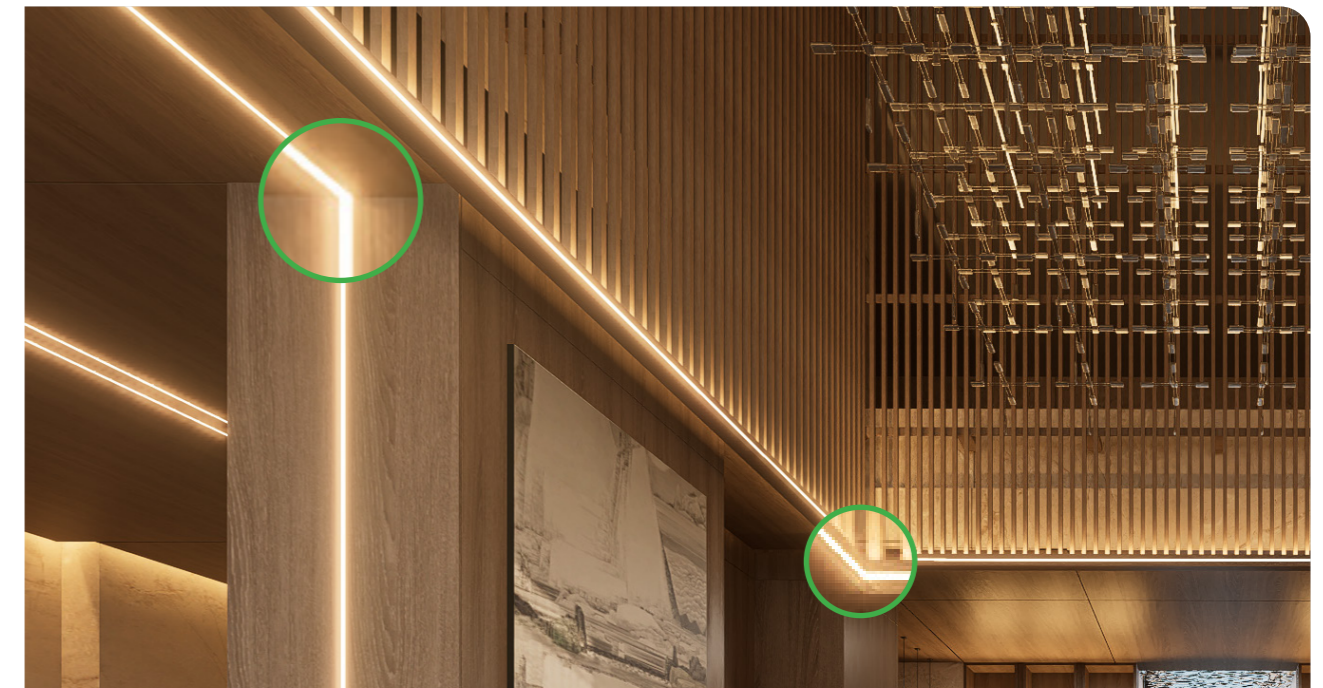
Precision on Site. Perfection in Detail.

AIR Free Cut brings millimeter-level freedom to installation, delivering seamless brightness without gaps, limits, or mismatch, even in the most challenging spaces.



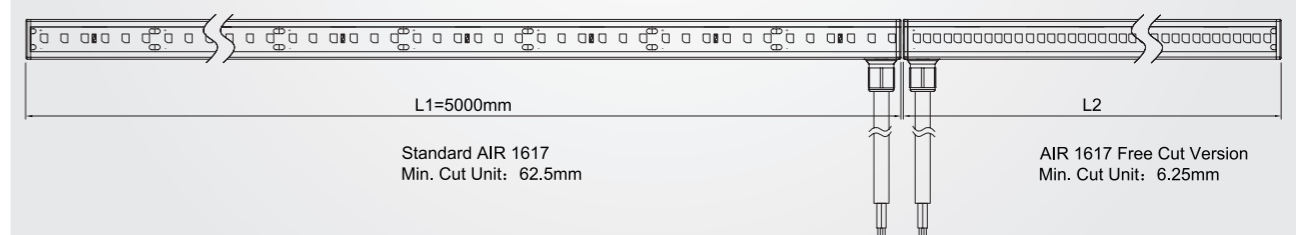
The "Dark Corner" Problem.

Traditional neons are limited by 50-100mm cutting units. This rigid constraint often leaves awkward 3-4cm dark gaps at the end of profiles, ruining the continuity of your design.



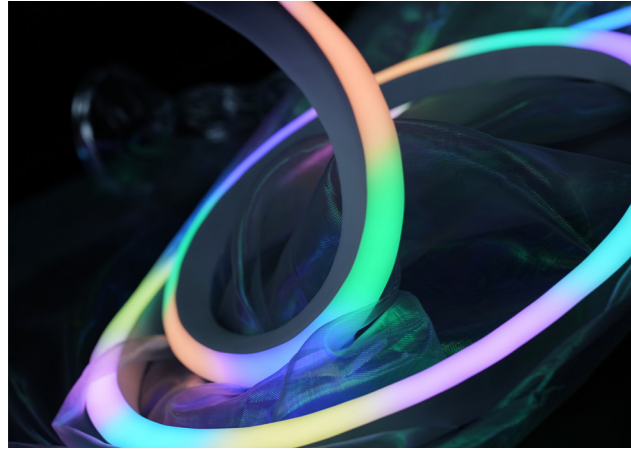
"When Every Millimeter Matters."

AIR Free Cut delivers seamless brightness across every line and corner: no gaps, no mismatch, just perfect light continuity.



What is the AXE series? The Definition of Durability

Designed for high-end architectural applications, the JRL AXE Series redefines the standard for 3D flexible lighting. Engineered with a superior IP68 rating, it combines Solid Silicone Extrusion with a robust 4oz Rolled Copper PCB to ensure maximum weather resistance. Whether for complex 3D twisting or long-run linear outlines, AXE delivers artistic freedom without sacrificing structural integrity.



AXE 1617 HE

The "True 3D" master with zero distortion and premium light output.

AXE 1617 DMX RGBW

Dynamic color control with the widest accessory compatibility in its class.

AXE 1617 SL (Super Long)

Ultra-long runs (up to 105m double feed in) with field-cuttable convenience

Why is AXE series developed?

1. The 3D Flexibility (Design Freedom)

Break free from 2D limitations. The AXE Series supports multi-directional bending (Horizontal & Vertical), allowing designers to create seamless, twisting geometries and organic shapes that adapt to any architectural surface.

2. Robust Protection (IP68 & IK10)

Impact Resistant: When paired with our aluminum profile, the AXE Series achieves an IK10 rating, making it resistant to vandalism and physical impact.

Weatherproof: Rated IP68 for superior dust and moisture protection.

Note: Designed for wet locations and heavy rain resistance. Not suitable for long-term underwater submersion.

3. The 1617 Universal Ecosystem

Versatility meets simplicity. The AXE Series is fully compatible with JRL's extensive "1617 Universe" accessory system, ensuring you always have the right mounting solution.



■ **Field-Cuttable Advantage:** Specifically for AXE SL, we offer solder-free DIY Connectors, allowing for quick on-site cutting and re-connection—a rare feature in 3D lighting.

Maximize Value. Minimize Risk.

Before choosing your model, know that every AXE product is built on a foundation of cost-efficiency and operational safety. We engineered the entire series to solve the two biggest hidden costs in lighting: Installation Labor and Post-Project Maintenance.

Why AXE is the Smart Choice

▲ **Labor Saving & Installation Friendly:** Designed to work seamlessly with our unified accessory system, reducing on-site complexity and installation time.

▲ **Peace of Mind & Low Maintenance:** High-grade silicone and robust PCB design drastically reduce the failure rate.

▲ **Lower Total Cost of Ownership:** Invest in quality now to avoid costly repairs and replacements later.

One Design, Three Engines.

AXE HE (High Efficacy) The "True 3D" Specialist for Flawless Aesthetics.

Engineered for purists. AXE HE features our proprietary 'Stress-Free' structure that make it no stress point and no roll flat. This ensures the strip stays flush in the profile and prevents stress-cracks, safeguarding IP68 integrity.

▲ **Best For:** High-end architectural outlines where visual perfection is non-negotiable.

▲ **High Efficiency:** 100LM/W output for energy-conscious projects.

▲ **Double Insurance:** Features Dual-Conduct Technology (supplemental copper strip) to ensure power continuity even if the PCB breaks.

AXE DMX (RGBW) Dynamic Color with Unmatched Versatility

Bring your 3D curves to life. AXE DMX combines the flexibility of silicone with robust RGBW control, offering the most extensive accessory compatibility among DMX 3D products in the market.

▲ **Best For:** Media facades, entertainment venues, and dynamic landscape lighting.

▲ **Compact Power:** A rare small-form-factor 3D DMX solution

▲ **Integration:** Highly compatible with the widest range of JRL "1617 Universe" mounting accessories.

AXE SL (Super Long) The Installer's Dream: Long Runs & Field Cuttable

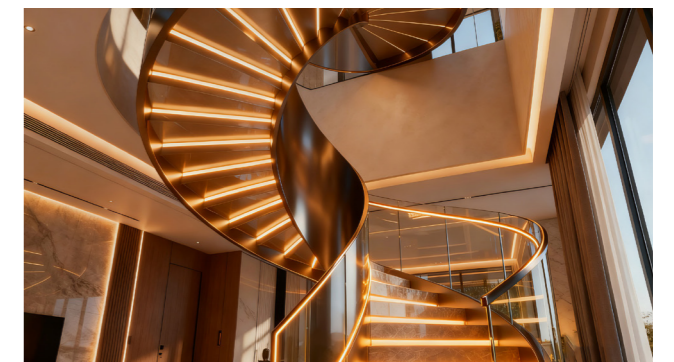
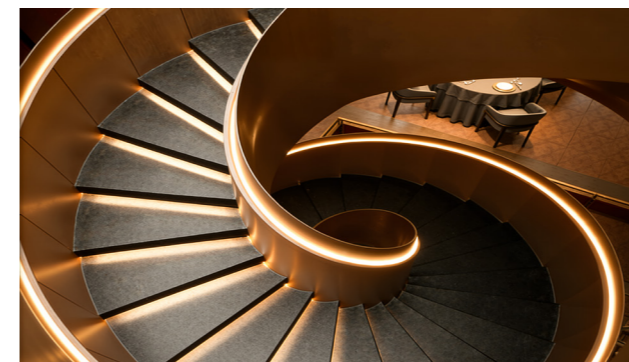
The ultimate labor-saver for large-scale projects. AXE SL drastically reduces power feed points and simplifies on-site adjustments.

▲ **Best For:** Massive building perimeters, bridges, and long-distance landscape lines.

▲ **Incredible Length:** Up to 105m run on a single circuit (Dual-end feed, 4.8W/m) with <3% brightness drop.

▲ **Field Cuttable:** This model compatible with DIY Assembly Connectors. Cut and reconnect on-site without soldering.

▲ **Double Insurance:** Features Dual-Conduct Technology for signal integrity over ultra-long distances.



AG 1617 Series: The Art of Visual Comfort

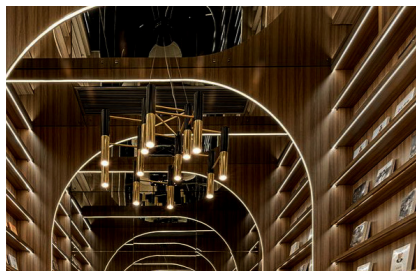
Honeycomb Anti-Glare Technology



What It Is

Beyond Lighting: An Architectural Feature.

The AG 1617 is not just a neon strip; it is a decorative element designed for direct viewing. Featuring a distinctive Honeycomb Grid Surface, it transforms harsh LED light into a soft, textured glow that looks stunning whether the light is on or off.



Why You Need It

Conquer the Glare. Protect the Mood.

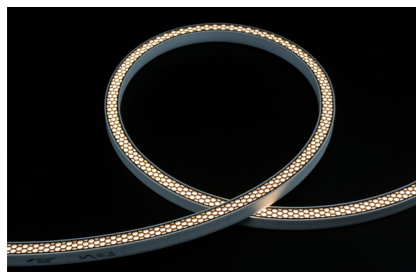
Standard neon strips can be visually aggressive (high glare) when installed at eye level or in reflective spaces.

The Benefit:

The AG 1617 achieves a UGR < 19, physically cutting off stray light. It delivers pure visual comfort, making it perfect for low-height installations, handrails, and sophisticated interiors where atmosphere matters more than raw brightness.

The JRLITE Difference

We didn't just print a pattern; we engineered a solution.



Integral Co-Extrusion (Not Silk-Screened)

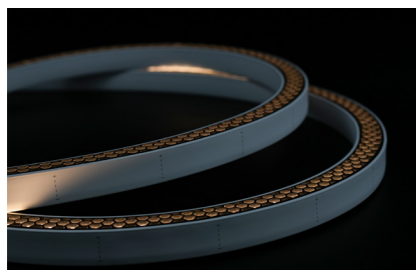
Distinguishing itself from low-cost surface printing or adhesive-bonded grids that are prone to wear. Our honeycomb structure is Co-Extruded with the body. The grid is part of the material itself. It's more durable, crisper, and provides superior glare control.



Defying Physics: High Efficiency & Long Run

Anti-glare usually means dim light. Not here.

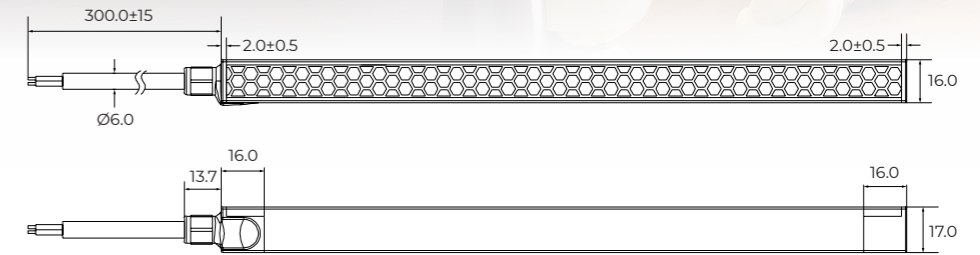
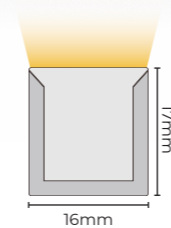
- ▲ High Efficiency: We achieved 20lm/W while maintaining UGR<19 (significantly brighter than the market average).
- ▲ 20m Single Run: Engineered for massive installations with a max run length of 20 meters on a single-end feed.



Aesthetic Versatility (3 SKUs)

Designed to match your design language

- ▲ White Body: Available in Top Bend & Side Bend.
- ▲ Black Body: Available in Top Bend (The ultimate "Stealth" look).



Technical Snapshot

System Profile: 16mm (W) x 17mm (H)
 Silicone Color: White & Black
 Bending Direction: Top bending & Side bending
 Bending Diameter: Ø300 mm
 Protection Rating: IP68(Not for underwater)
 UGR < 19 (Visual Comfort)

Performance

Power: 14.4 W/m (High Output)
 Lumen Output: 260 lm/m @ 3000K
 Voltage: DC 24V
 Color Availability: Single White / Tunable White

Installation Compatibility

- ▲ Fully compatible with the Standard 1617 Mounting System (Profiles, Clips).
- ▲ Solder-Free Ready: Supports Rapid DIY Connectors for fast, tool-free on-site customization after cutting.



OPTIC 1617: Precision Grazing in Silicone

The New Standard for Flexible Wall Washing



What It Is?

Soft Material. Hard Optics.

The OPTIC 1617 redefines wall washing by merging high-precision optical lenses with flexible silicone. It is not just a light strip; it is a flexible luminaire engineered to "graze" textures, highlighting stone, brick, and architectural details with a focused beam, all while bending effortlessly around curved surfaces.

Why You Need It

Eliminate the "Scallops". Master the Gradient.

Traditional wall washers often suffer from uneven light distribution, creating "scallop" patterns (dark gaps between light cones) or color separation.

The Benefit

- ▲ **Seamless Uniformity:** Our advanced optics ensure a continuous, smooth wash of light from top to bottom, with No Scallop Effects even at close range.
- ▲ **Far-Reaching Throw:** When installed correctly, the focused beam projects light further up the wall, making low ceilings feel higher and textured walls feel deeper.



COMPETITORS: With Scallop Effects



JRLITE OPTIC 1617: No Scallop Effects

The JRLITE Difference

Craftsmanship in Every Detail.

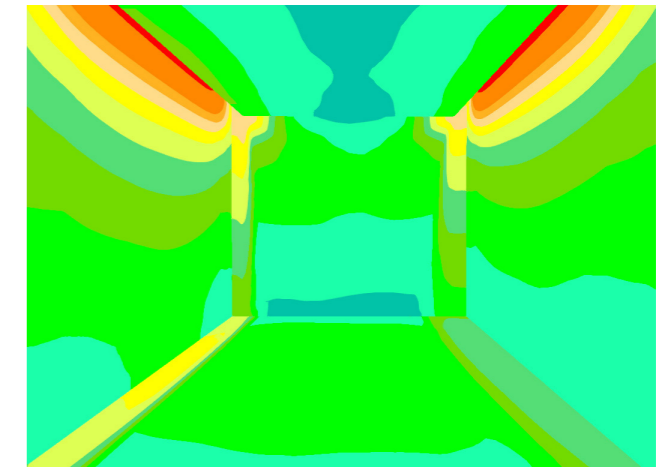
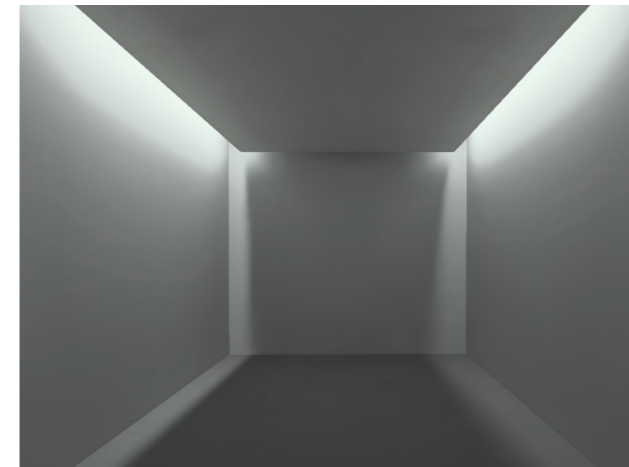
■ Silicone Co-Extrusion (Not PU/PVC)

Unlike rigid plastic or yellowing PU, our body is 100% Silicone. It is softer, more flexible for installation, and UV-resistant.

■ Extended Throw & Intensity

Don't just light the top; wash the whole wall.

As shown in the simulation, our specialized optic minimizes light scatter and maximizes center beam intensity. This focus allows the light to travel significantly further down the wall, delivering higher lux levels at the floor compared to standard washers.



*The OPTIC 1617 (left) delivers a more pronounced focused beam and a longer wall-washing throw.

Technical Specifications

System Profile: 16mm (W) x 17mm (H)
 Bending Direction: Top bending & Side bending
 Bending Diameter: Ø300 mm
 Protection Rating: IP68(Not for underwater)
 Beam Angle: 36° (±8°) — Focused Grazing

Performance

Power: 22 W/m (High Output)
 Lumen Output: 1694 lm/m @ 3000K
 Voltage: DC 24V
 Color Availability: Single Color (Static White)

Installation Compatibility

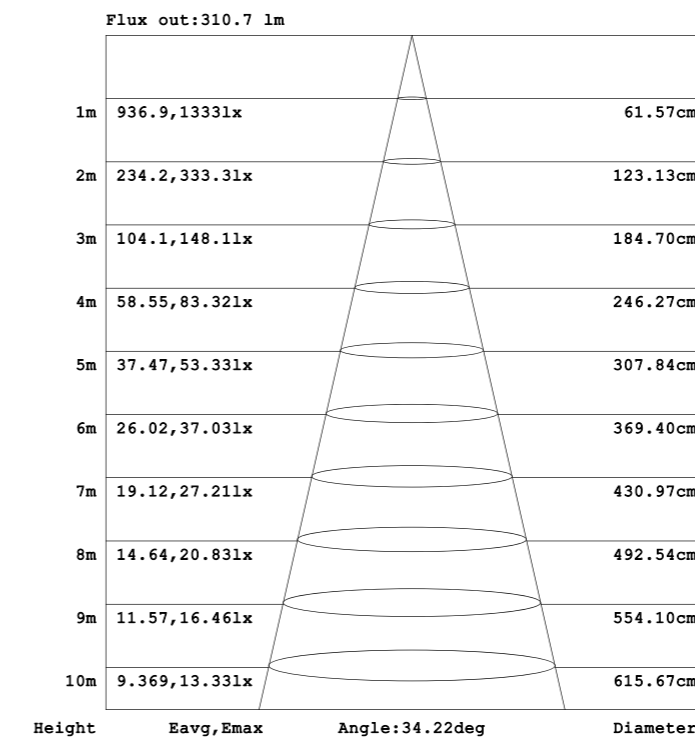
▲ Fully compatible with the Standard 1617 Mounting System (Profiles, Clips).



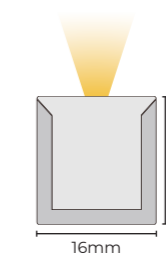
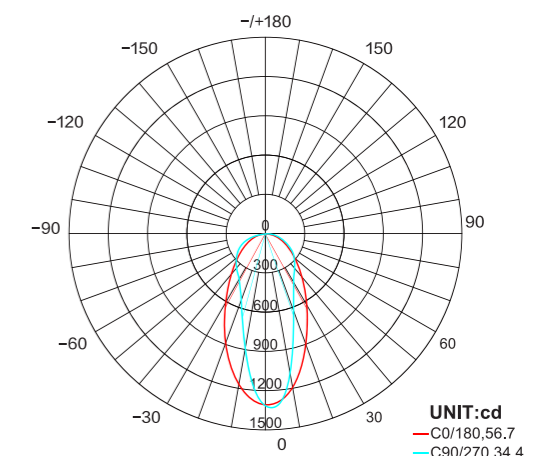
Note:

Due to precision optics, this model is not compatible with Rapid DIY Connectors).

The illuminance chart



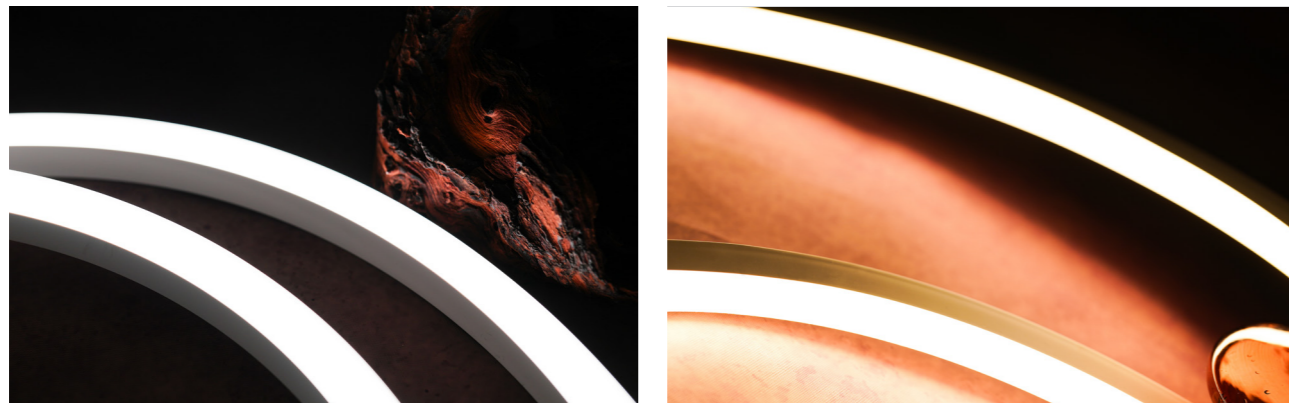
The polar intensity diagram



▲ Taking the OPTIC 1617T 3000K as an example

SAUNA 1617: Engineered for the Extreme

Rated for 110°C Ambient Temperature



What It Is

The High-Temperature Specialist.

The SAUNA 1617 is a specialized linear lighting instrument engineered for high-heat and high-humidity environments. It doesn't just withstand the elements; it masters them. Whether for a Sauna, a misty Steam Room, or an Open-Air Hot Spring, this light delivers consistent, relaxing illumination where standard fixtures would fail.

Why You Need It

Heat Kills. Purity Matters.

In a closed, high-temperature sauna, ordinary plastics release toxic fumes and standard LEDs decay rapidly.

The SAUNA 1617 solves this

Extreme Heat Resistance: Certified to operate continuously in ambient temperatures up to 110°C.
Pure Atmosphere: No plastic smell, no volatile emissions. It preserves the clean, relaxing scent of the cedar wood and essential oils.



The JRLITE Difference

Safety & Durability in Every Degree.

Premium Dow Corning Silicone (Odorless)

We use top-tier Dow Corning silicone. It is chemically stable, strictly anti-yellowing, corrosion-resistant, and most importantly, odorless even at high temperatures.

Pro-Grade Consistency

Equipped with premium Sanan chips, ensuring perfect color consistency across the entire room.

Touch-Safe PC Mounting (Anti-Burn)

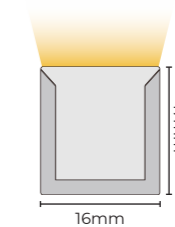
Safety First: Using aluminum profiles in a sauna is dangerous (risk of burns). JRLITE provides a dedicated 1617 PC Channel. It withstands the heat but remains touch-safe, preventing accidental burns to users.

Integrated Protection (IP68)

Features our signature Co-Extrusion Technology with Liquid Injection Molded (LIM) end caps. The "Closed-Window" design creates a seamless, watertight seal that looks refined and elegant.

Technical Snapshot

System Profile: 16mm (W) x 17mm (H)
 Bending Direction: Top bending & Side bending
 Bending Diameter: Ø300 mm
 Protection Rating: IP68(Not for underwater)



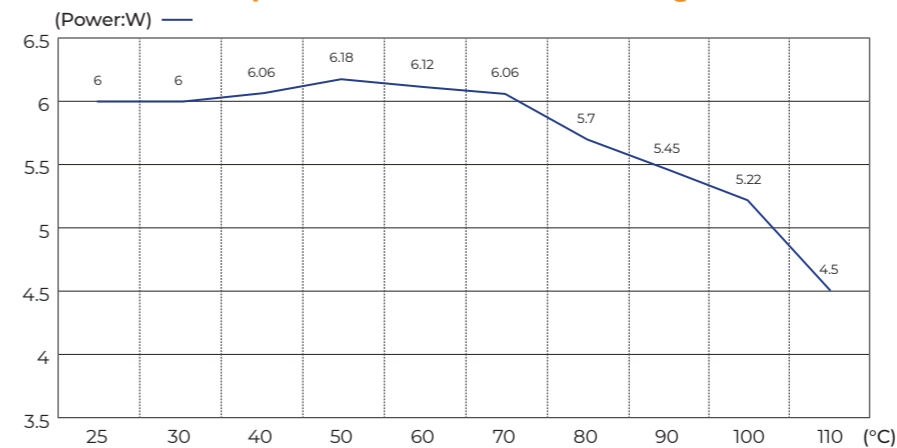
Performance

Power: 6 W/m
 Lumen Output: 490 lm/m @ 3000K
 Voltage: DC 24V
 Color Availability: Single White / Tunable White / Single Color(R/G/B)

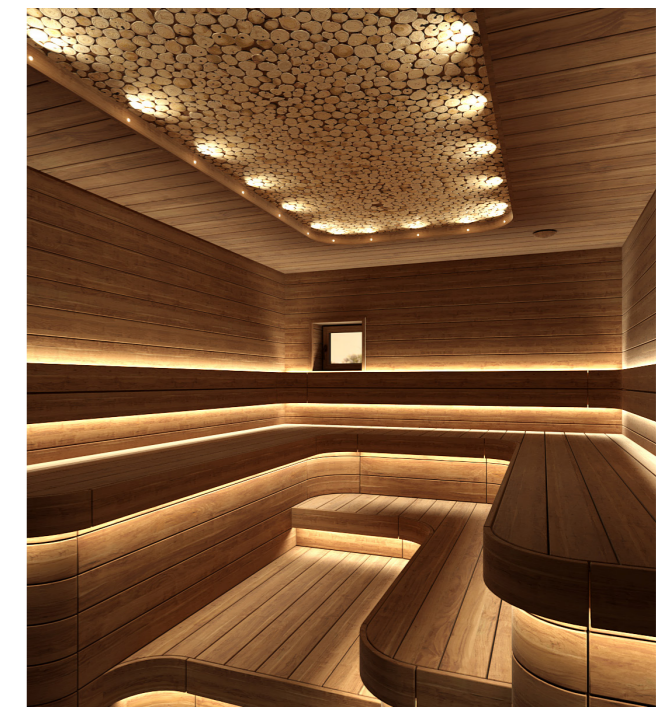
Installation Compatibility

▲ To prevent burns, only the 1617 PC profile is recommended.

Power and Temperature Variation Curve Diagram



▲ Taking the 1 meter SAUNA1617T3000K as an example



WAVE 1617: The Underwater Authority

IP68 Certified (5m Depth) & IP69 Rated



What It Is Built for the Deep.

The WAVE 1617 is not merely a waterproof strip; it is a submersible lighting instrument. Engineered to operate permanently underwater, it is the ultimate solution for swimming pools, fountains, water curtains, and artificial waterfalls where failure is not an option.

Why You Need It

Stop Leaks Before They Start.

Water is relentless. Standard IP68 lights often fail over time due to chemical corrosion (chlorine/salt) or "capillary action" (water wicking up the cable).

The Benefit:

- ▲ **Peace of Mind:** Install it and forget it. Our rigorous testing ensures you won't face the nightmare of draining a pool to replace a failed light.
- ▲ **Chemical Immunity:** Whether it's saltwater, chlorinated pool water (pH 7.0-7.8), or tap water, our formula resists them all.

The JRLITE Difference

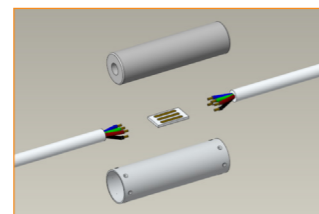
Proprietary Silicone Formula

Using an exclusive Dow Corning based formula, our silicone is optimized for underwater pressure. It resists yellowing, corrosion, and maintains a tighter molecular seal than standard silicone.

- **Zero Wicking:** Physically blocks water from entering the cable.
- **Zero Rust:** S316L stands up to the harshest saltwater environments.

The "Siphon-Blocker" Upgrade

We found a weak point, so we armored it. During our brutal 18-month submersion tests, we noticed standard connectors could be a risk of corrosion. We upgraded our anti-siphon ferrule and compression ring to Marine-Grade S316L Stainless Steel.



Real-World "Torture" Testing

We don't just lab-test; we reality-test.

- ▲ **18-Month Submersion:** Our products undergo continuous underwater operation testing for over 18 months (following UL676 standards) in Salt, Chlorine (pH 7.0-7.8), and Fresh water to ensure long-term seal integrity.
- ▲ **Dual-Stress Simulation (UV + Salt):** We simulate harsh coastal environments by subjecting the strip to Salt Spray and intense UV radiation simultaneously. This double-attack test proves our silicone won't crack or yellow even when exposed to sea air and sunlight at the water's edge.



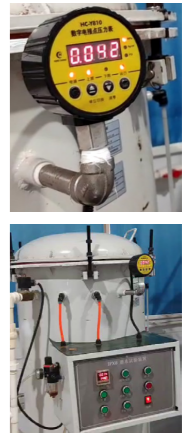
1 Dual-Stress Simulation (UV + Salt)

To simulate coastal aging, samples undergo 96 hours of simultaneous salt water immersion and high-temp UV irradiation (up to 70°C). We cycle humidity and temperature to ensure the silicone will not cracks or yellows.



2 5-Meter Depth & Chemical Pressure Test

Products are submerged at 1m physical depth and pressurized to simulate a 5-meter depth environment. The test repeats across varying water chemistries (Salt, Chlorine, and Fresh water) to verify seal integrity under pressure.



Why IP69 Matters?



Ready for the Clean-Up.

We know that a pool isn't just filled; it must be cleaned. Standard IP68 lights can survive submersion but fail under high-pressure cleaning jets.

- ▲ **The JRLITE Standard:** To ensure durability during maintenance, the WAVE 1617 is certified to EN IEC 60598-1:2021.
- ▲ **The Test:** Withstands high-pressure jets (8.5 MPa) of both 80°C hot water and 15°C cold water for 3 minutes.
- ▲ **The Result:** You can confidently clean your pool walls without worrying about water intrusion damaging the lights.

Technical Snapshot

System Profile: 16mm (W) x 17mm (H)
Bending Direction: Top & Side bending
Bending Diameter: Ø300 mm
Protection Rating: IP68 & IP69

Performance

Power: 14.4 W/m (High Output)
Lumen Output: 1031 lm/m @ 3000K
Voltage: DC 24V

Color Availability

Static: Single Color | Tunable White | RGB | RGBW
Pixel: Addressable RGB | Addressable RGBW

Installation Compatibility

▲ The standard IP68/IP69 rating is achieved via our factory-sealed Integrated Injection Injection Molded end caps.

ⓘ Customizing with Silicone Sleeved Caps or DIY Rapid Connectors will reduce the rating to IP67 (Not suitable for continuous submersion).

APO: The Next Evolution of Indoor Linear Light

Beyond SMD. Beyond COB. This is APO.

What It Is: The Hybrid Masterpiece



All Your Demands, One Solution.

The APO Series represents the next generation of linear lighting technology. It fuses the reliability of an SMD core with the flawless uniformity of COB, wrapped in a revolutionary cable-like form factor.

- ▲ **Cable-Like Flexibility:** A robust, rounded body that bends and routes as easily as a cable, offering maximum design freedom.
- ▲ **Best of Both Worlds:** SMD Core, COB Visuals. The advanced silicone co-extrusion encases the SMD source, delivering the seamless, dot-free glow of COB with the superior mechanical strength of SMD.
- ▲ **Aluminum-Free Efficiency:** Excellent thermal management eliminates the need for bulky aluminum channels. Just peel the 3M tape and stick.

The APO Advantage: Why Upgrade?

Solving the Industry's Oldest Trade-offs.

1. IP65 Versatility: 90% Application Coverage.

From living rooms to humid bathrooms, the APO handles it all. Its ultra-thin, fully sealed design provides total protection against dust and moisture. With a sleek, tactile finish, it eliminates the need for ugly diffusers, offering a clean, "cable-like" aesthetic that fits anywhere.

2. Premium Build: Dow Silicone & Branded Chips.

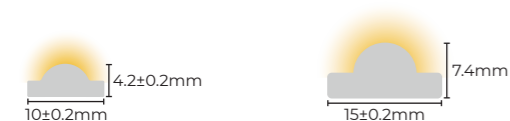
Engineered for longevity, we use Dow Corning silicone and strictly selected Lumileds/Sanan LEDs for exceptional color consistency and UV resistance. Our co-extrusion technique protects the high-strength brackets from corrosion, far outlasting fragile bare-board strips.

3. Efficiency Redefined: 15m Run & No Profile Needed.

Designed for seamless integration, the APO supports ultra-long runs of up to 15 meters (vs. standard 5m COB), simplifying wiring. With excellent heat dissipation, it looks elegant exposed—just peel the 3M tape and stick, no aluminum profiles required.

Of course, for customers who prefer installation with profiles, we still offer a wide range of accessories and profiles for the APO series.

Technical Snapshot



Width: 10mm(APO 10); 15mm(APO 15)
 Bending Direction: Top bending
 Bending Diameter: Ø60 mm
 Protection Rating: IP65

Performance Of APO 10 HE:
 Voltage: DC 24V
 Power: 14.4 W/m (High Output)
 Lumen Output: 1455 lm/m @ 3000K

The APO Family: A Spectrum of Solutions

APO 10 Series (10mm Width)

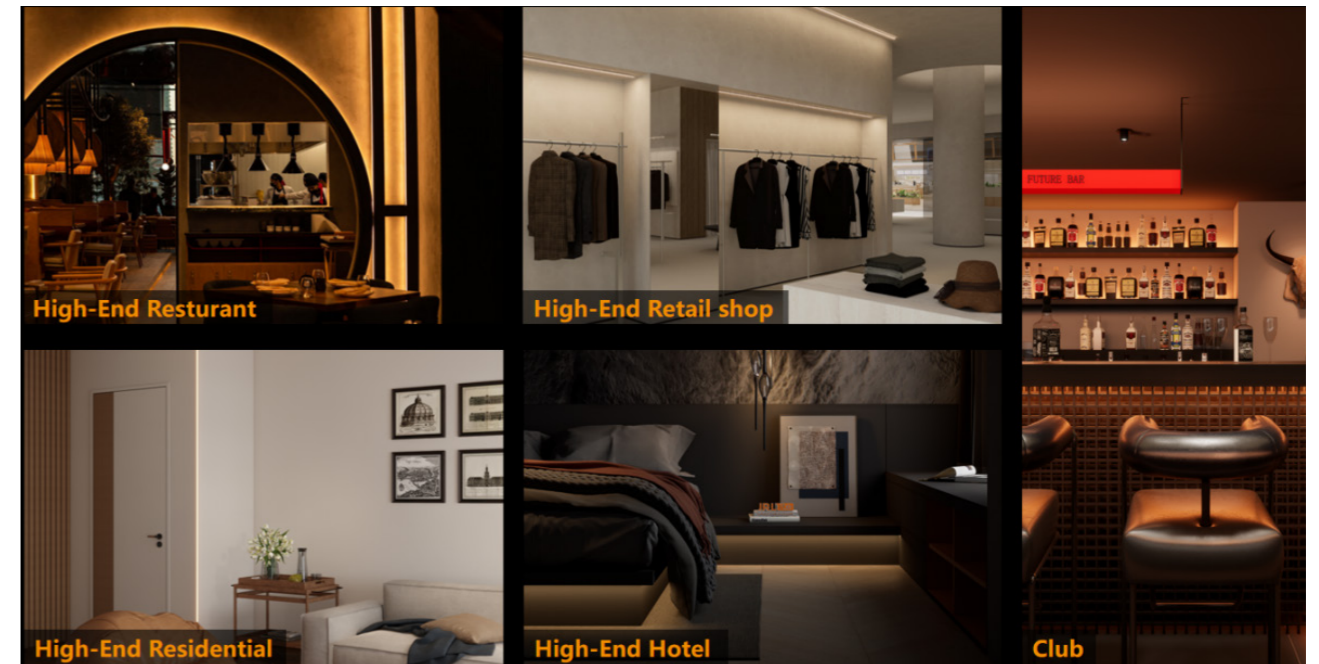
Precision linear lighting for every functional need.

- APO 10: Balanced performance for general illumination.
- APO 10 HE: High Efficacy (>100lm/W) for energy-conscious projects.
- APO 10 FC: Free Cutting technology—cut exactly where you need, no waste.
- APO 10 TW: Tunable White (2700K-6500K) for circadian rhythm and mood control.

APO 15 Series (15mm Width)

Dynamic color and digital control for atmosphere creation.

- APO 15 RGB: Classic color mixing for vibrant atmosphere creation.
- APO 15 RGBW: A richer spectrum capable of soft pastel tones and pure white.
- APO 15 SPI Pixel RGB: Digital control for dynamic chasing, flowing, and meteor effects.
- APO 15 SPI Pixel RGBW: The ultimate creative tool—pixel-perfect digital control with white light mixing.



The Art of Curves: Retail & Commercial

Dynamic shapes for high-impact spaces.

- ▲ **Shopper Flow:** Create guiding lines and organic S-shapes in showrooms to subconsciously direct customer movement through the space.
- ▲ **Product Highlight:** Use seamless curved lighting to frame displays and highlight merchandise, adding a premium, futuristic touch to the retail environment.

Embedded Precision: Kitchen, Bath & Bedroom

Clean lines where durability and comfort matter most.

- ▲ **Kitchen & Bath:** The IP65 sealed design resists steam and splashes, making it ideal for mirror backlighting, shower niches, or under-cabinet task lighting that is easy to wipe clean.
- ▲ **Bedroom Calm:** Design seamless, glare-free cove lighting in headboards or wardrobes to create a soft, relaxing sanctuary.

APO Installation Ecosystem: One System, Infinite Forms.

From Retail Displays to KBB Integration.

Powered by IP65 protection, the APO ecosystem brings professional linear lighting to every corner, whether it's a humid bathroom vanity or a dynamic retail showroom.

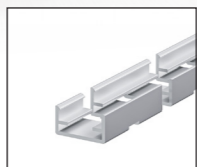
APO 10 Accessory System

■ AC107-VP



Dimension	1000x15.41x8.27mm
Material	aluminium
Color	silver

■ AC107-CR



Dimension	1000x11.7x5.8mm
Material	aluminium
Color	silver

■ AC107-45P



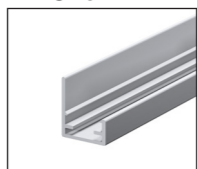
Dimension	1000x17.6x10mm
Material	aluminium
Color	silver

■ AC107-AP-SF



Dimension	1000x11.7x9.1mm
Material	aluminium
Color	silver

■ AC107-AP-BA



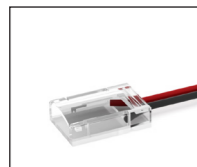
Dimension	1000x12.3x14mm
Material	aluminium
Color	silver

■ AC085-10



Dimension	14x12x5mm
Material	PC
Color	Transparent

■ AC085-201



Dimension	12.4x6.9x20.5mm
Material	PC
Color	Transparent

■ AD110-2



Dimension	11.8x6x15mm
Material	Silicone
Color	white

■ AF002-U1

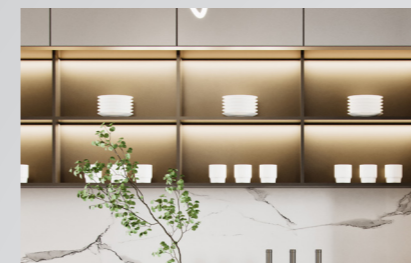


Dimension	183x36x26mm
Material	Wooden handle
Color	Wood color

▲ The APO 15 Accessory System follows the same comprehensive design as the APO 10 shown above, scaled to fit larger dimensions. For detailed specifications and part numbers, please refer to the full technical datasheet or contact your sales representative.

The Professional Tool Kit.

A complete range of aluminum profiles and accessories designed for Retail, Kitchen, Bedroom, and Bathroom (KBB) applications.



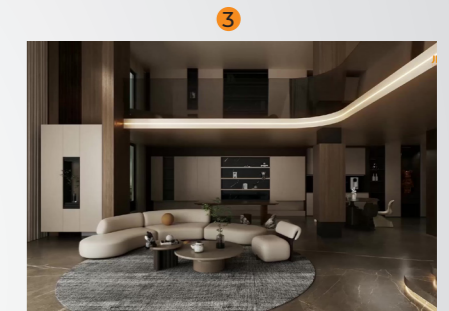
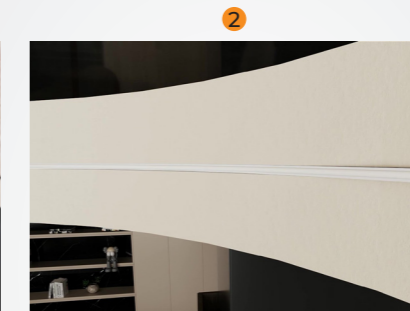
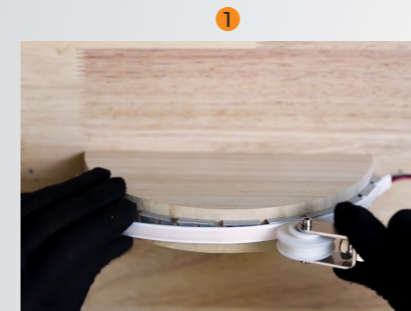
- ▲ **Slim & Versatile:** Profiles like AC107 adapt to both surface and recessed mounting.
- ▲ **Installation Aid:** The AF002-U1 Roller ensures perfect adhesion without damaging the chips.

The Installation Advantage

Fast, Tool-Assisted Precision for Every Contour.

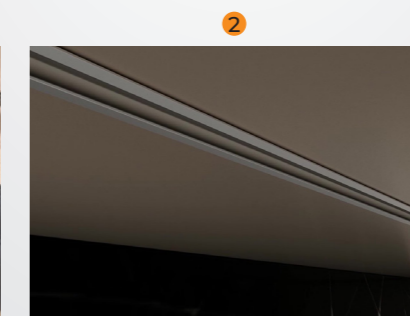
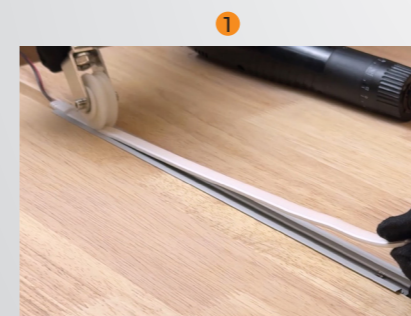
1. Specialized Roller Tool

▲ **Effortless "Roll-In" Installation:** Say goodbye to finger strain and uneven pressure. Our custom AF002-U1 Roller Tool allows installers to glide the silicone strip into profiles smoothly. This not only cuts installation time in half but also prevents physical damage to the internal PCB, ensuring long-term reliability.



2. Versatile Mounting Options

▲ **Limitless Mounting Flexibility:** Whether you need a flush "zero-gap" finish or a dynamic curved surface run, APO adapts. Our comprehensive range of accessories supports recessed groove mounting for seamless joinery integration, as well as flexible clips and bendable profiles that follow architectural curve with ease.



⚡ The Golden Rule: Roll, Don't Pull.

When installing into profiles, always use the AF002-U1 Roller Tool to press the strip in gradually.

- ✓ **Do:** Ensure upper and lower silicone lips are fully seated.
- ✗ **Don't:** Pull or stretch the strip, as this may damage the internal circuit.

RONDO Series: Light from Every Angle.

Pure 360° Illumination. Zero Shadows. Infinite Possibilities.



What It Is: The 3D Luminous Tube Redefining Linear Light.

RONDO breaks the limitations of flat lighting. It is a perfectly round, flexible silicone neon that emits light in a full 360-degree radius. Thanks to its unique optical structure, it delivers a flawless, velvety glow without any dark spots or shadows, even when viewed from the back. It's not just a light source; it's a glowing sculpture.

Why Choose RONDO: The Benefits Liberating Light from Surfaces.

- ▲ True 360° Uniformity: Unlike standard D-shape neons that only light up 180°, RONDO glows all around. This makes it perfect for hanging pendants, spatial dividers, and creative art installations where the light is seen from all sides.
- ▲ Decorative Freedom: Its robust, rope-like form factor allows designers to knot, drape, and suspend light like fabric, adding a soft, organic touch to rigid architectural spaces.

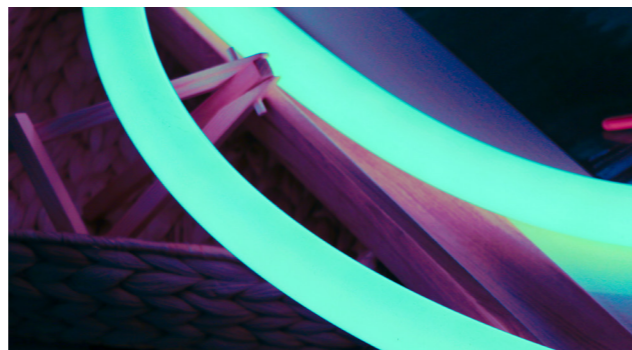


The RONDO Family: Size & Spectrum Two Sizes. Total Creative Control.



RONDO Mini (Ø13mm)

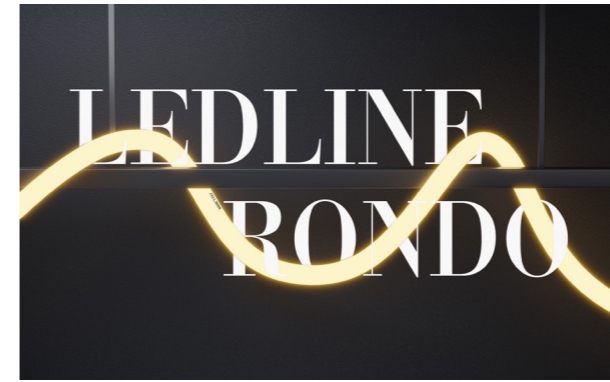
- The Delicate Accent.
- A slender profile designed for elegance. Perfect for intricate shapes, fine signage, and subtle decorative outlines.
- Available in: Static White.



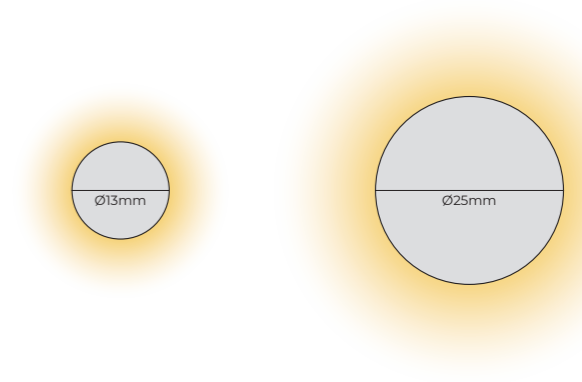
RONDO Standard (Ø25mm)

- The Statement Piece.
- A bold, substantial diameter that commands attention. Ideal for large-scale installations and primary spatial lighting.
- Available in: Static White, Tunable White, RGB, and RGBW.

Technical Snapshot



Diameter: 13mm(Rondo Mini); 25mm(Rondo)
 Bending Diameter: Ø>150 mm(Rondo Mini); Ø>200 mm(Rondo)
 Bending Direction: 360-degree radius
 Protection Rating: IP65(Rondo Mini) / IP67(Rondo)

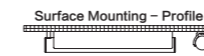
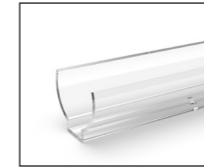


Performance Of Rondo WHT:
 Voltage: DC 24V
 Power: 10 W/m (Standard Output)
 Lumen Output: 733 lm/m @ 3000K

The Creative Mounting Suite.

A versatile collection of transparent accessories and suspension tools designed to unleash RONDO's full 360° potential without blocking the light.

AC200



Product	PC Profile
Dimension	1000x29x26mm
Material	Plastic

AC211



Product	Horizontal Lifting Profile Accessories
Material	Stainless Steel, PC
Profile/Wire Length	1000mm/39.37"

AC209-T



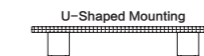
Product	Connector for Side out let
Material	PMMA
Size	30x40mm

AC210-T



Product	Connector
Material	PMMA
Size	30x40mm

AC208



Product	Surface U-shaped lifting accessories
Material	Aluminum Alloy
Size	38x41mm

AC218

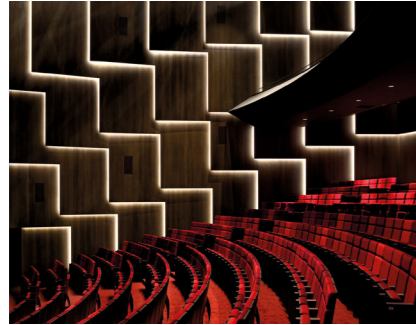


Product	Adjustable Horizontal Lifting Profile Accessories
Material	PC
Size	1000mm/39.37"

*For more accessories, please contact sales / refer to the detailed product specification sheet.

ASTON Series: The Phantom Light

A revolutionary fusion of stealth design and brilliant illumination. Featuring the breakthrough "Black Diffuser" technology that vanishes when off and shines when on.



What It Is: The Design Philosophy Stealth by Day, Radiant by Night.

Traditional neon strips are visible white lines that can disrupt a dark interior palette. ASTON changes the game.

- **The Black Edition:** In its off state, the surface is a sleek, matte black finish that blends perfectly with dark ceilings, joinery, and facades.
- **The Transformation:** The moment it's powered on, the black coating effectively "disappears," transmitting pure, high-efficacy light without any color shift.

Why ASTON: Solving the Aesthetic Gap No More White Lines.



Designers often struggle with integrating lighting into industrial, modern, or moody dark-themed spaces. ASTON solves this with:

- **Invisible Integration:** Ideal for cinemas, bars, nightclubs, and luxury retail stores where the light fixture should be heard (seen), but not seen when inactive.
- **True Color Rendering:** Despite the dark silicon look, our advanced material engineering ensures the light output remains crisp and accurate, avoiding the "muddy" look of inferior black neon exterior.
- **Uniform Glow:** Dot-free illumination that creates a seamless ribbon of light.

The ASTON Family: Specifications Tailored for Every Detail.

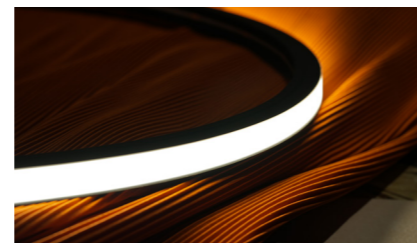
A. The Black Series (Phantom Mode) For dark surfaces and high-contrast designs.

ASTON 1615 BLACK
Size: 16mm (W) x 15mm (H)
Best For: Architectural outlines, facade lighting, and recessed dark wood joinery. The square profile offers a bold, structural look.

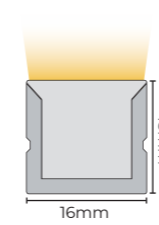
ASTON 1220 BLACK
Size: 12mm (W) x 20mm (H)
Best For: Signage and tighter curves. The taller, slimmer profile allows for elegant vertical bending.

B. The Classic Series (Pure Mode) For standard clean applications.

ASTON 1212
Size: 12mm (W) x 12mm (H)
Finish: Standard White Silicone
Best For: Minimalist slots, cabinet lighting, and general decorative use where a compact, white-finish neon is preferred.

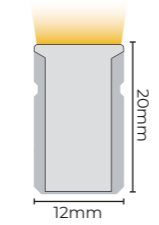


Technical Snapshot



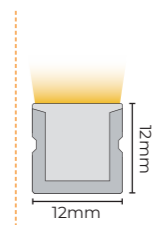
ASTON 1615 BLACK
Bending Diameter: Ø240mm
Bending Direction: Top Bending
Protection Rating: IP68(Not for underwater)

Performance:
Voltage: DC 24V
Power: 15 W/m (High Output)
Lumen Output: 229.5 lm/m @3000K
Color Availability: Single White | Tunable White | RGB | RGBW



ASTON 1220 BLACK
Bending Diameter: Ø150mm
Bending Direction: Side Bending
Protection Rating: IP68(Not for underwater)

Performance:
Voltage: DC 24V
Power: 15 W/m (High Output)
Lumen Output: 158 lm/m @3000K



ASTON 1212
Bending Diameter: Ø240mm
Bending Direction: Top Bending
Protection Rating: IP68(Not for underwater)

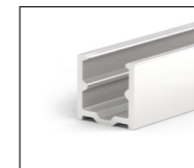
Performance:
Voltage: DC 24V
Power: 10 W/m (Standard Output)
Lumen Output: 504 lm/m @3000K

The Mounting Suite. Precision Aluminum Infrastructure.

A comprehensive range of anodized aluminum profiles designed to match every ASTON form factor (1615, 1220, and 1212).

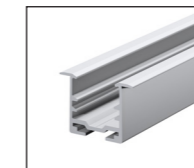
- ▲ **Dual Mounting Options:** Choose AP Series for clean surface mounting or EP Series (with trim) for a flush, recessed finish that integrates seamlessly into walls and joinery.
- ▲ **Rigid Support:** Ensures perfectly straight lines for architectural aesthetics while acting as an effective heat sink to prolong LED life.
- ▲ **Minimalist Clips:** For the compact ASTON 1212, stainless steel clips (AC018) offer a discreet fixing solution.

■ AC013-AP(For 1615)



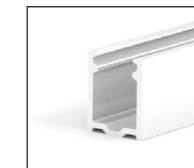
Dimension	1000x20.6x17.7mm
Material	aluminium
Color	silver

■ AC013-EP(For 1615)



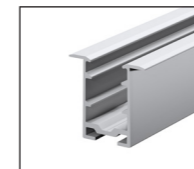
Dimension	1000x21.13x19.28mm
Material	aluminium
Color	silver

■ AC015-AP(For 1220)



Dimension	1000x17.5x22.9mm
Material	aluminium
Color	silver

■ AC015-EP(For 1220)



Dimension	1000x17.53x24.28mm
Material	aluminium
Color	silver

■ AC017-AP(For 1212)



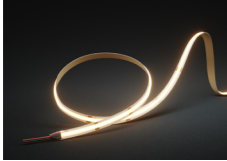

Dimension	1000x17.2x14mm
Material	aluminium
Color	silver

■ AC018-SET(For 1212)



Dimension	20x13x11.2mm
Material	stainless steel
Color	silver

*For more accessories, please contact sales / refer to the detailed product specification sheet.

PRODUCT FAMILY	MODEL	LEDs/m	WIDTH (mm)	VOLTAGE	LUMEN EFFICIENCY (lm/w)	IP RATED	WATTAGE	CCT
COB 	COVEFLEX DELI WHT	480	4	24 VDC	115	IP20	5W/M	2700K/3000K/4000K/6500K
	COVEFLEX DELI CS	576	4	24 VDC	78.3	IP20	6W/M	2700K+5000K
	COVEFLEX DELI X WHT	504	5	24 VDC	80	IP20	6W/M	2700K/3000K/4000K/6500K
	COVEFLEX BASS WHT	480	10	24 VDC	110	IP20	5/10/15W/M	2700K/3000K/4000K/6500K
	COVEFLEX BASS TW	576	10	24 VDC	107	IP20	15W/M	2700K+6500K
	COVEFLEX BASS RGB	840	10	24 VDC	47	IP20	15W/M	RGB
	COVEFLEX BASS RGBWW	560	12	24 VDC	56.5	IP20	16W/M	RGBWW(2700K+6500K)
	COVEFLEX BASS SPI RGB	630	12	24 VDC	49	IP20	11W/M	SPI RGB
	COVEFLEX BASS DMX RGB	630	16	24 VDC	20	IP20	14W/M	DMX RGB
	COVEFLEX BASS SPI RGBW	840	12	24 VDC	50	IP20	16W/M	SPI RGBW(2700K/3000K/4000K/6500K)
	COVEFLEX BASS LONG WHT	360	10	24 VDC	85	IP20	7W/M	2700K/3000K/4000K/6500K
	COVEFLEX BASS HE WHT	480	8	24 VDC	115	IP20	10W/M	2700K/3000K/4000K/6500K
	COVEFLEX BASS FC WHT	528	8	24 VDC	60	IP20	10W/M	2700K/3000K/4000K/6500K
	COVEFLEX BASS FC CS	576	8	24 VDC	57.5	IP20	8W/M	2700K+6500K
	COVEFLEX ALTO WHT	480	10	24 VDC	110	IP65	15W/M	2700K/3000K/4000K/6500K
COVEFLEX TREBLE WHT	480	10	24 VDC	100	IP67	5/10/15W/M	2700K/3000K/4000K/6500K	
SMD 	COVEFLEX VOLT WHT	120	14	120 VAC	83.3	IP65	10/20W/M	2400K/2700K/3000K/4000K
	COVEFLEX TUBA WHT	140	8	24 VDC	116	IP20	9.6/14.4W/M	2400K/2700K/3000K/4000K/6000K
	COVEFLEX INTRO WHT	60	10	24 VDC	76	IP20	4.8/9.6/14.4W/M	2700K/3000K/4000K/6500K
	COVEFLEX POP WHT	120	10	24 VDC	100	IP20	4.8/9.6/14.4/19.2/24W/M	2700K/3000K/4000K/6500K
	COVEFLEX POP LONG WHT	140	10	24 VDC	113	IP20	8.5/13/17W/M	2700K/3000K/4000K/6500K
	COVEFLEX POP HD WHT	240	10	24 VDC	102	IP20	4.8/9.6/14.4/19.2/24W/M	2700K/3000K/4000K/6500K
	COVEFLEX POP TW	120	10	24 VDC	78	IP20	12/24W/M	2700K+6500K
	COVEFLEX POP HD TW	240	10	24 VDC	80	IP20	12/24W/M	2700K+6500K
	COVEFLEX EFFI X WHT	180	10	24 VDC	180	IP20	4.8W/9.6W	2700K/3000K/4000K/6500K
	COVEFLEX EFFI U WHT	240	10	24 VDC	175	IP20	28W/M	2700K/3000K/4000K/6500K
	COVEFLEX INTRO RGB	60	10	24 VDC	35	IP20	14.4W/M	RGB
	COVEFLEX INTRO RGBW	60	12	24 VDC	48.1	IP20	14.4W/M	RGBW(3000K/4000K/6500K)
	COVEFLEX INTRO RGBWW	60	12	24 VDC	60	IP20	19.2W/M	RGBWW(2700K+6500K)
	COVEFLEX INTRO SPI RGB	60	10	24 VDC	30	IP20	14.4W/M	SPI RGB
	COVEFLEX INTRO SPI RGBW	60	10	24 VDC	36	IP20	18W/M	SPI RGBW(3000K/4000K)
	COVEFLEX INTRO SPI RGBWW	60	10	24 VDC	45	IP20	23W/M	SPI RGBWW(2700K+6500K)
	COVEFLEX INTRO DMX RGB	60	12	24 VDC	30	IP20	14.4W/M	DMX RGB
	COVEFLEX INTRO DMX RGBW	60	12	24 VDC	36	IP20	18W/M	DMX RGBW(3000K/4000K)
	COVEFLEX INTRO DMX RGBWW	60	12	24 VDC	45	IP20	23W/M	DMX RGBWW(2700K+6500K)
	COVEFLEX SAUNA WHT	80	12	24 VDC	178	IP65	4.8/9.6W/M	2700K/3000K/4000K/5000K/6500K
	COVEFLEX NUNU WHT	120	10	24 VDC	90	IP65	4.8/9.6/14.4/19.2/24W/M	2700K/3000K/4000K/6500K
	COVEFLEX NUNU HD WHT	240	10	24 VDC	92	IP65	4.8/9.6/14.4/19.2/24W/M	2700K/3000K/4000K/6500K
COVEFLEX DRUM WHT	140	8	24 VDC	115	IP68	9.6/14.4W/M	2400K/2700K/3000K/4000K/6000K	
COVEFLEX OCTOPUS WHT	56	16	24 VDC	106	IP20	11.5W/M	2700K/3000K/4000K/6500K	

COB & SMD Series: Beyond the Standard.



Why Choose JRLITE? The Core Value

Stealth by Day, Radiant by Night.

In a market flooded with generic options, JRLITE delivers what matters most: Consistency and Customization.

1. One Bin Only & 5-Year Warranty

We don't just sell strips; we sell consistency. With 13+ years of experience, we guarantee strict color consistency (One Bin) across batches and back our quality with up to a 5-year warranty.

2. True Customization Power

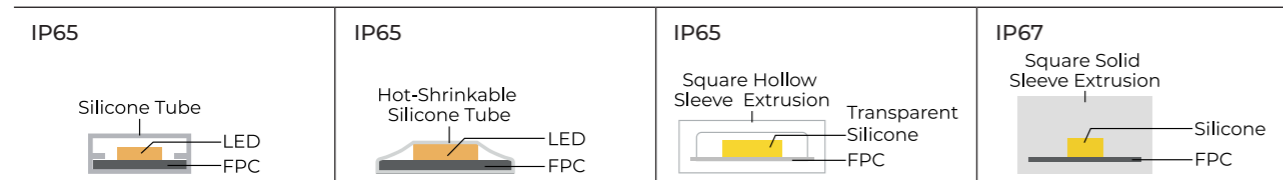
From PCB design to chip selection, lengths, and connectors, we tailor the product to your exact project needs, something off-the-shelf traders cannot offer.

3. Validated Reliability

Our daily capacity reaches 50,000 meters, supported by full certifications (CB, CE, UL, RoHS, IP68). We are a scalable partner for your growth.

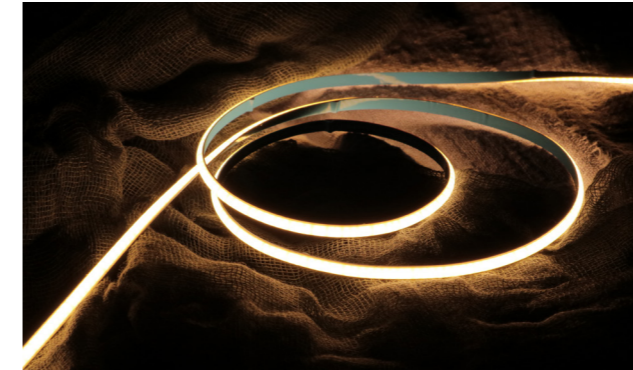
*Custom Protection Level

While series like DELI and BASS are IP20 as standard, JRLITE offers advanced machining services to upgrade standard strip to IP65 and IP67 to meet your project's specific environmental needs.



The COB Family Tree

Seamless light, diverse applications.



DELI Series – The Ultra-Narrow Specialist

Designed for delicate millwork and minimal grooves.

- 4mm Width: DELI & DELI CS fit where others can't.
- Precision Cutting: DELI X (5mm width) features an ultra-short cutting unit of 13.89mm (vs. standard 50mm), allowing for perfect customization in confined spaces.



BASS Series – The Versatile Workhorse

The ultimate balance of cost-performance and variety.

- Full Spectrum: Available in Static White, TW, RGB, RGBW, RGBWW, and Pixel Control (SPI & DMX).

Problem Solvers

- 1) BASS LONG: Up to 20m run with single-end power feed.
- 2) BASS HE: High Efficacy up to 115lm/W (4000K).
- 3) BASS FC (Free Cut): Cut anywhere, anytime. Zero waste. Also available in Tunable White.



ALTO & TREBLE – The Native Defenders

- ALTO (IP65): High cost-performance with silicone coating.
- TREBLE (IP67): Enhanced protection for harsher environments.

SMD Series: Performance & Versatility.

Why Choose JRLITE for SMD? (The Power of Partnership)

SMD strips are the backbone of lighting. You need a partner who delivers scale, speed, and support.



1. Full Marketing Support

Tools to Help You Sell: We don't just ship products; we help you expand your business. We provide comprehensive marketing assets including IES files, certificates, selling points, circuit diagrams, and high-quality product photos.



2. Global Certification

Market Access Guaranteed: We hold official certifications including CB, CE, REACH, RoHS, UL, cUR and IP68. These aren't just badges; they are your passport to global markets and a demonstration of our product reliability.

Group 1: The Architectural Foundation

Standard solutions for linear lighting and pixel control.



INTRO Series – The Creative Basic

- Spec: 60 LEDs/m.
- Key Feature: The starting point for creativity. Available in Static White, RGB, RGBW, RGBWW, and dynamic Pixel Control (SPI & DMX) for digital chasing effects.



POP Series – The Linear Standard

- Spec: 120 LEDs/m (Basic) / 240 LEDs/m (HD).
 - Key Feature: High-density options for dot-free light. Available in White and Tunable White.
 - Star SKU: POP LONG The Problem Solver
- Designed for long commercial runs. Achieves an impressive 18 meters with a single-end power feed (8.5W/m), significantly reducing installation labor and wiring complexity.

Group 2: High Efficiency & Output

Maximizing lumens while minimizing energy.



EFFI Series – The Flagship Performance

- EFFI (Basic): 160 LEDs/m, 150lm/W. The gold standard for energy efficiency.
 - EFFI X: 180 LEDs/m, 180lm/W. The ultimate energy-saver for LEED/BREEAM certified projects.
 - EFFI U (Ultra): 240 LEDs/m, 175lm/W.
- Powerhouse: With 28W/m power, it delivers a massive 4900lm/m output (at 4000K). Designed for high-ceiling coves where maximum brightness is required.



TUBA Series – The Smart Alternative

- Spec: 140 LEDs/m, 116lm/W.
- Positioning: A balanced, cost-effective alternative to the EFFI series, offering solid performance for budget-sensitive projects.

Group 3: Environmental & Specialty

Engineered for water, heat, and beam control.



NUNU Series – IP65 Silicone Protection

- Spec: 120 LEDs/m (Basic) / 240 LEDs/m (HD).
- Key Feature: Features a high-quality silicone coating for IP65 protection, ideal for damp locations without compromising flexibility.



SAUNA Series – Extreme Heat Resistance

- Spec: Specialized PCB and components.
- Key Feature: Built to survive. Withstands ambient temperatures up to 100°C (212°F) and high humidity, specifically engineered for sauna and spa environments.



DRUM Series – IP68 Submersible

- Key Feature: Fully potted and sealed for IP68 rating, suitable for underwater features and exterior architectural detailing.



OCTOPUS Series – Backlight optic strip 180°

- Key Feature: Equipped with specialized optical lenses directly on the strip. It transforms a flexible strip into a powerful wall washer or grazer, precise beam control for textured surfaces.

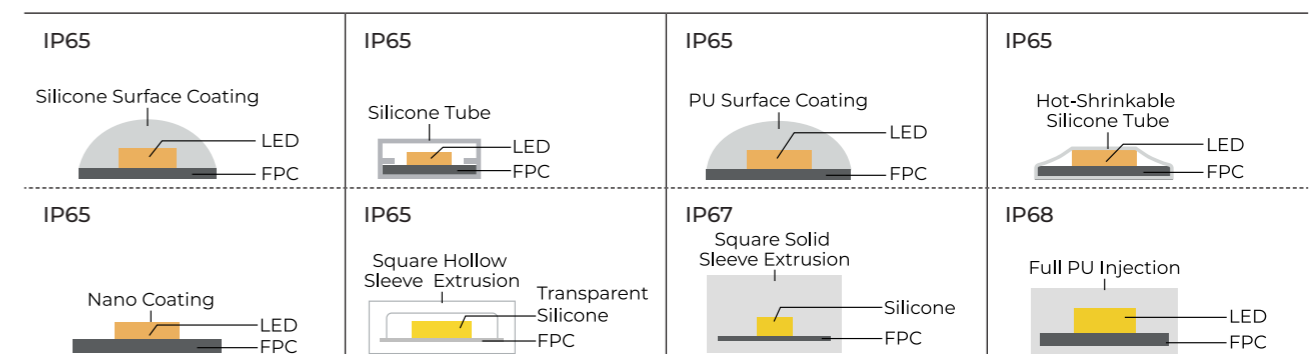


COVEFLEX VOLT – 120V Driverless & Long Run & Flicker free optional

- Spec: 120VAC / Max Run 50m / 50mm Cut.
- Key Feature: The ultimate solution for expansive spaces. By connecting directly to line voltage, it eliminates external drivers and supports continuous runs up to 50m. Unlike traditional high-voltage strips, it offers precise 50mm cutting increments for perfect fit installation.

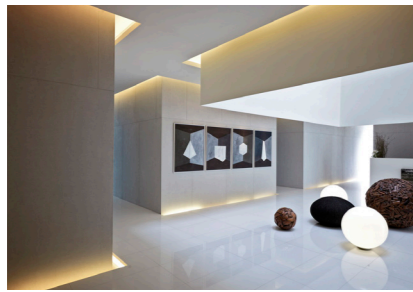
*Custom Protection Level

While series like INTRO, POP, and EFFI are IP20 as standard, JRLITE offers advanced machining services to upgrade standard strip to IP65, IP67, or IP68 to meet your project's specific environmental needs.



The Installation System: Connect & Mount

A premium lighting result relies on the details. JRLITE provides a fully compatible ecosystem of accessories, transforming flexible strips into professional, architectural-grade fixtures.



Solder-Free Connectivity: Our high-precision Connectors (for both COB & SMD) offer a secure, tool-free link. From 5mm ultra-narrow COB to 10mm standard SMD, they significantly reduce labor time and wiring complexity on site.

Thermal & Optical Housing: Our extensive range of Aluminum Profiles does double duty: acting as essential thermal management to extend LED life, and delivering a spotless, diffused light output for a refined finish.

LED STRIP CONNECTOR

Picture	Order Code	Description	Adapted Products
	JR-BCI-N8XB-2/L=15CM	Strip to cable Connector/ single side 15CM 20AWG UL Wire	COB Width: 8mm ;Single Color
	JR-BCI-N8XB-2/L=15CM	Strip to Strip Connector with 15CM 20AWG UL Wire	COB Width: 8mm ;Single Color
	JR-MN20-B12C-2P	Strip to Strip Connector	SMD/COB Width: 12mm ;Single Color
	JR-MN20-2XB12C-2P/L15CM	Strip to Strip Connector with 15CM 22AWG	SMD/COB Width: 12mm ;Single Color

PROFILE

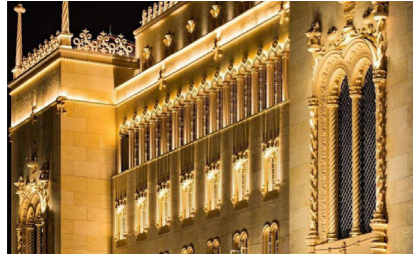
Picture	Size	Order Code	Material	Adapted Products
		AP-1202	Alu Profile + PC Cover	PCB Width: 12mm
		AP-1205	Alu Profile + PC Cover	PCB Width: 12mm
		AP-1204	Alu Profile + PC Cover	PCB Width: 12mm
		AP-1608	Alu Profile + PC Cover	PCB Width: 16mm
		AP-1609	Alu Profile + PC Cover	PCB Width: 16mm



The Wall Washers: Engineered for Nuance.

Beyond standard linear lighting. A curated suite of wall washers designed for precise beam control, and 3D flexibility.

Why Choose JRLITE Wall Washers? (The JR Advantage)



Precision Optics: Unlike generic diffused strips, our WHALE and WHALE PRO series integrate advanced optical lenses directly into the flexible body, achieving focused beam angles (15°-60°) for true wall grazing.

Material Excellence: We utilize UV-resistant PU (Polyurethane) and high-grade Silicone to ensure IP67/IP68 durability, resisting yellowing even in harsh outdoor environments.



Product Showcase (The Solutions)



COVEFLEX WHALE (The Clean Washer)

Sleek, White, and Powerful.

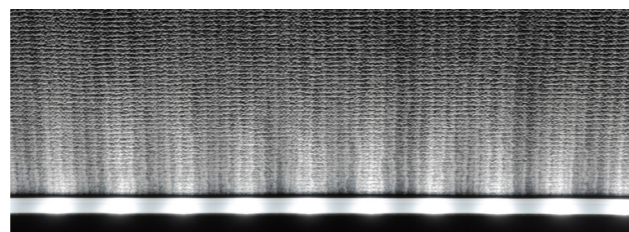
- **What it is:** A flexible wall washer with a clean white PU finish.
- **Key Benefit:** Lightweight and highly flexible (bending diameter 100mm). The white body blends seamlessly into white ceilings and coves.
- **Optics:** Available in 30°, 45°, 60°, and 20*45°. Perfect for uniform wall washing in indoor galleries or outdoor facades (IP68:Not for underwater application).



COVEFLEX WHALE PRO (The 3D Sculptor)

Free-Bending Silicone with Grey Elegance.

- **What it is:** A premium silicone wall washer capable of 3D Free Bending (both vertical and horizontal).
- **Key Benefit:** Solves the challenge of illuminating curved or irregular surfaces. The grey silicone body offers a neutral, architectural aesthetic and superior resistance to salt, acid, and alkali (IP67).
- **Optics:** Sharper beams available, including 15°, 30°, 50° for intense grazing, plus asymmetric options like 18*20°, 20*35° and 20*55°.



Empowering Your Brand. Illuminating Your Future.

Your Sustainable ODM Partner in Linear Lighting.

We don't just manufacture lights; we manufacture certainty.

For over 15 years, JRLITE has dedicated itself to one mission: being the sustainable partner for successful global lighting manufacture/ brands. We understand that in the distribution business, consistency is currency.

To the Product Manager: We deliver rigorous One-Bin Control and flexible customization to keep your product portfolio differentiated;
To the Engineer: We provide complete and accurate technical documentation (IES, CAD) and pre-tested compatibility. Our R&D team speaks your language, ensuring seamless integration from prototype to installation.

To the Purchasing: We guarantee a stable supply chain with comfortable services, cost-effective solutions, quick delivery time, certified quality, and scalable production capacity to secure your inventory availability.

To the Business Owner: We commit to a long-term, sustainable partnership focused on mutual growth.

We respect your market, protect your design, and support your growth.

Let's build the next benchmark for your market together.