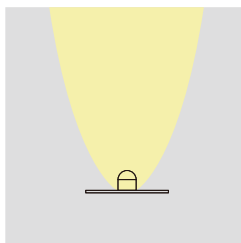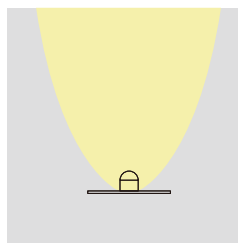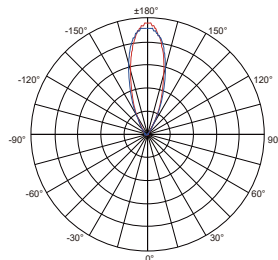Aris Series
Directional Optics Strips

Aris

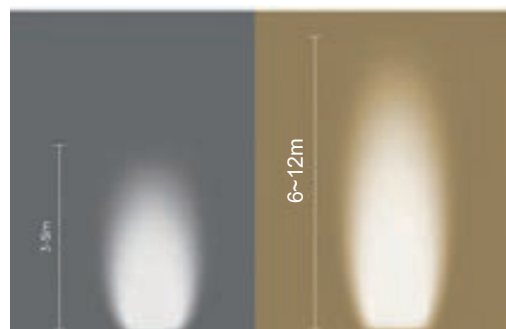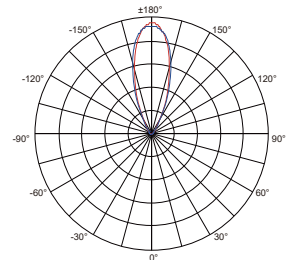Optimal small size directional flexible strip

40°/50° directional flexible light strip with a
projection distance of up to 12 meters
Ultra-narrow 5~10mm wide directional flexible light
strip;
Single-end power supply supports up to 10 meters
with <15% brightness difference between
ends.

40°

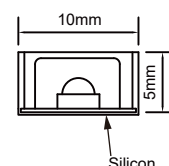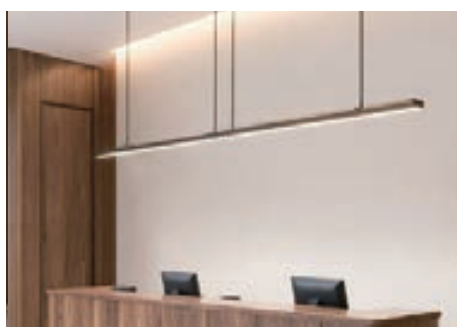50°

Traditional strip   Aris Flex strip

40°/ 50° all-in-one LED

Beam angle is 40°/ 50° without extra lens or
other optics.
Higher light intensity and uniformity with a
high illuminance and penetrating power of up
to 10 - 12 meters.

Traditional strip with an extra lens irridiates
only 3-5m

Small Size

10mm

5mm

Silicon

5~10mm wide IP20 flex strip with firm integrated lens, after silicon extrusion, is only 5x10mm, up to 30W/m. The extra lens on many other strips on the market is subject to easy peeling off.

5~10mm

0.25mm

3mm
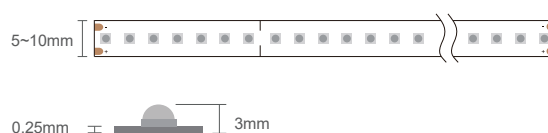
Traditional lens light strips

Have large size, are prone to falling off and have low penetration power.

Constant current IC design

Using a constant current IC design ensures that the current in the strip circuit remains constant. Providing a stable current can ensure that the light strip emits light with a constant brightness, and at the same time prevent the light strip from being damaged due to excessive current, thereby maximizing the service life of the light strip.

Application circuit diagram
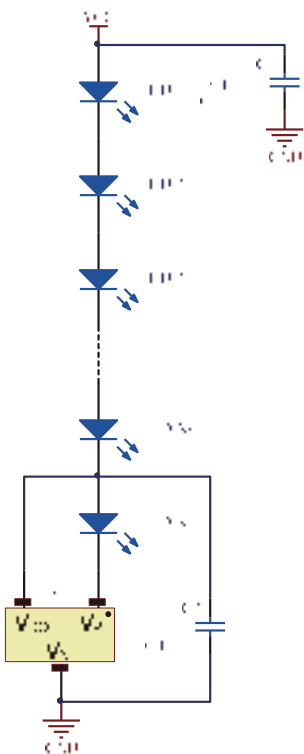
STABILITY OF LUMINOUS FLUX

Ta = 25°C, input voltage of 24VDC.
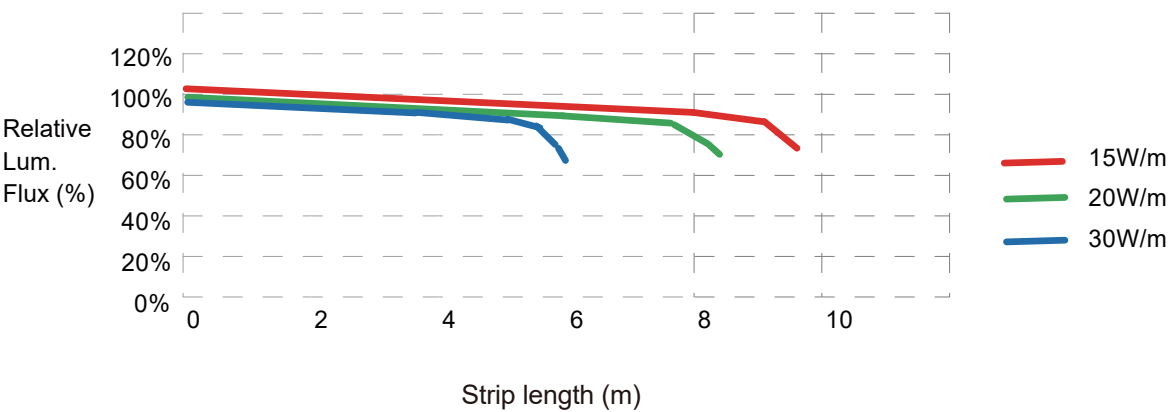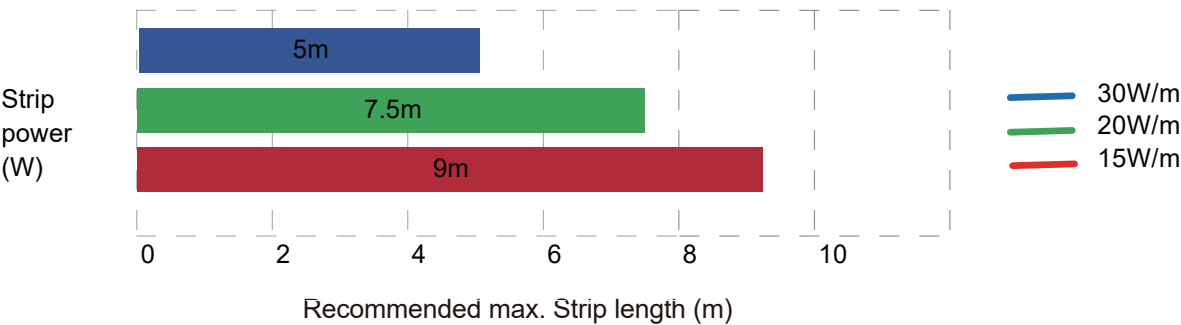The graphic below shows the expected typical change in luminous flux in %, while having one sided power supply, between the first and last step of the named LED Strips length.

Relative Lum. Flux (%)

Strip length (m)

- 15W/m
- 20W/m
- 30W/m

To ensure the highest possible quality of the installation, we recommend to limit the maximum LED strip length, based on the individual strip power, to the maximum length, showed in the graph. Hereby it will be ensured, that the typical maximum reduction will remain below 15% on the displayed LED strip length.

Strip power (W)

5m	
7.5m	
9m	

- 30W/m
- 20W/m
- 15W/m

Recommended max. Strip length (m)
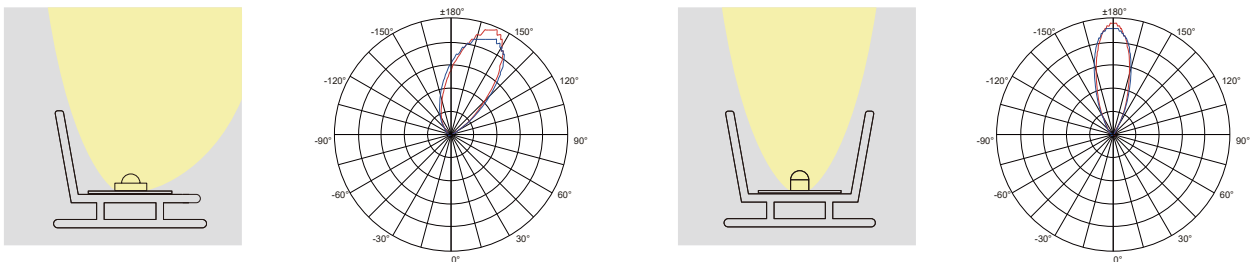
Directional light

XLine Module can be infinitely long

Users can firstly install the aluminum profiles, then the high-quality flex strips, and finally add the PC cover. The length can be achieved according to the user's requirements.

Combined with high-quality power supplies, the XLine Module can be extended to a maximum of 20m per power supply and is the best module for long-distance linear lights.
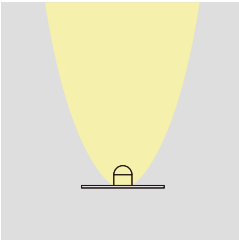
XLine Module has both indoor and outdoor types. The maximum single strip indoors can reach 30W/m, 6000lm/m.

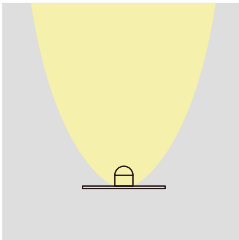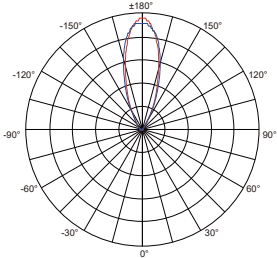The XLine module can use Aris as the light source.

Aris flex strips can be integrated with proper profiles and optical shades into linear light module (XLine Module).
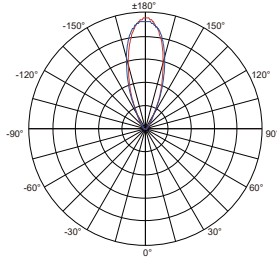
![CIVILIGHT]

Aris Flex DATA

40°

50°

Product	Power (W)	Input (Vdc)	CCT (K)	Efficacy	Lumens/M	luminous intensity/M	CRI	Beam Angle(°)
	15W		2000	85lm/W	1170lm	345cd		
			3000	95lm/W	1425lm	450cd		
			4000	100lm/W	1500lm	562cd		
			5000	95lm/W	1425lm	450cd		
	20W	DC24V	2000	85lm/W	1560lm	460cd	90	40°
			3000	95lm/W	1900lm	686cd		
			4000	100lm/W	2000lm	730cd		
			5000	95lm/W	1900lm	686cd		
	30W		2000	85lm/W	2340lm	690cd		
			3000	95lm/W	2850lm	838cd		
			4000	100lm/W	3000lm	1095cd		
			5000	95lm/W	2850lm	838cd		
Aris Flex	15W		2000	85lm/W	1125lm	215cd		
			3000	95lm/W	1395lm	315cd		
			4000	100lm/W	1470lm	516cd		
			5000	95lm/W	1395lm	315cd		
	20W	DC24V	2000	85lm/W	1500lm	325cd	90	50°
			3000	95lm/W	1860lm	420cd		
			4000	100lm/W	1960lm	659cd		
			5000	95lm/W	1860lm	420cd		
	30W		2000	85lm/W	2250lm	420cd		
			3000	95lm/W	2790lm	630cd		
			4000	100lm/W	2940lm	810cd		
			5000	95lm/W	2790lm	630cd		

Neptune Aris

10mm

5mm

FPCB
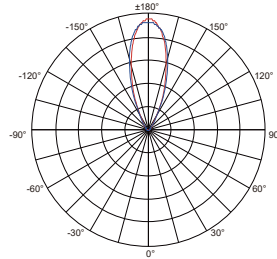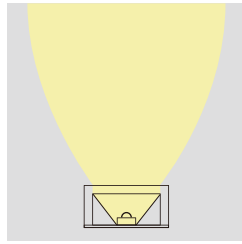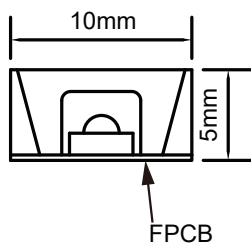
Neptune Aris IP65 waterproof silicone tape light, with a size of only 5x10mm, achieves a small angle of light emission, making Neptune tape light more flexible to be applied in various outdoor projects and lamps.

It has broken through the bottleneck of large size of small-angle silicone tape light.

Neptune Aris IP65 tape light has excellent performance, with a power of 15~30W per meter and a luminous efficacy greater than 100lm/W. Its high cost performance advantage is particularly suitable for use in waterproof indoor and outdoor projects and lamps.

CIVILIGHT

Two-color extrusion
Directional lighting with
an angle of 30° to 60°
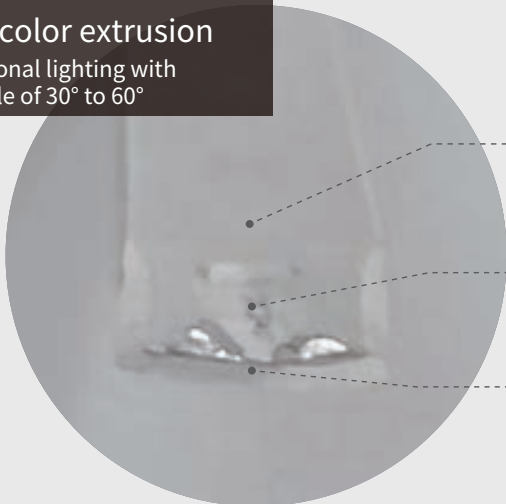
· Utilizing high-quality UV-resistant silicone material,
it is IP65 waterproof and UV-resistant,
suitable for outdoor applications.

· Using LED with a lens, a small-sized optical light strip
with an angle of 30 to 60 degrees is designed.

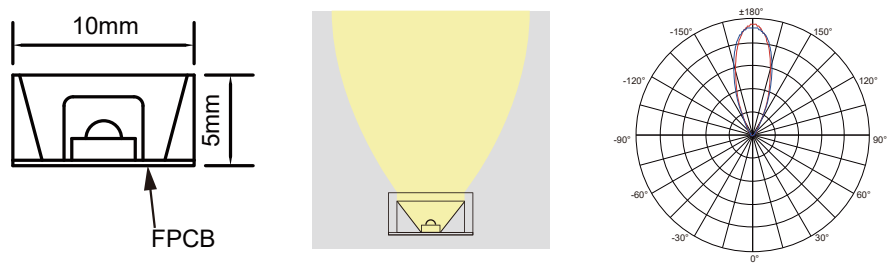· Compact design, enabling more flexible usage

Traditional IP65: General lighting, with decorative lighting as the main focus

Neptune Aris IP65: Directional Lighting: Angle 30° to 60°, suitable for main lighting, wall washing lighting, and spot lighting

Neptune Aris DATA

10mm

5mm

FPCB

Product	Input (Vdc)	CCT Type	CCT (K)	Efficacy	CRI	Beam Angle(°)
Neptune Aris	DC24V	Single CCT	2700 3000 4000 6000	115lm/W 120lm/W 125lm/W 120lm/W	90	40°/ 50°/ 63.9°/ 72.2°

Product	Input (Vdc)	CCT Type	CCT (K)	Efficacy	CRI	Beam Angle(°)
Neptuna Aris	DC24V	Single CCT	2700 3000 4000 6000	115lm/W 120lm/W 125lm/W 120lm/W	90	40°/ 50°/ 63.9°/ 72.2°

Aris Xline Module

XLine Module has a unified standard installation interface and can be directly used on different luminaires or arranged separately in the required places

Installed as an indoor hanging luminaire or
Industrial wall-washing luminaire or
Outdoor wall-washing luminarie.
There are two installation methods: insertion and fixed.
On ceiling it is used alone.
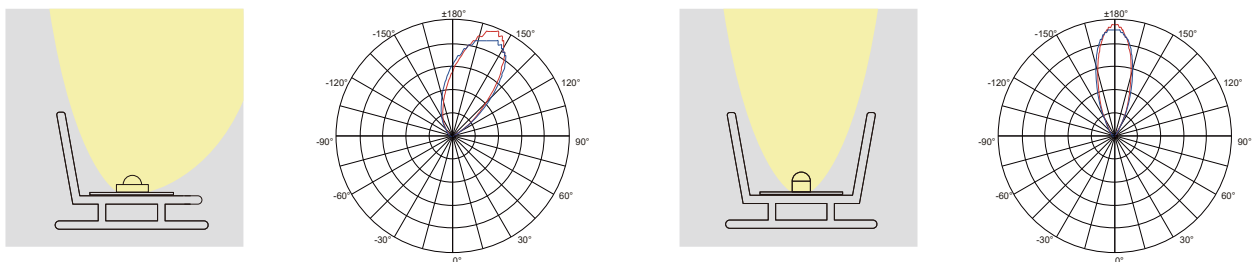For wall-washing it is used alone.

Directional light

XLine Module can be infinitely long

Users can firstly install the aluminum profiles, then the high-quality flex strips, and finally add the PC cover. The length can be achieved according to the user's requirements.

Combined with high-quality power supplies, the XLine Module can be extended to a maximum of 20m per power supply and is the best module for long-distance linear lights.

XLine Module has both indoor and outdoor types. The maximum single strip indoors can reach 30W/m, 6000lm/m.

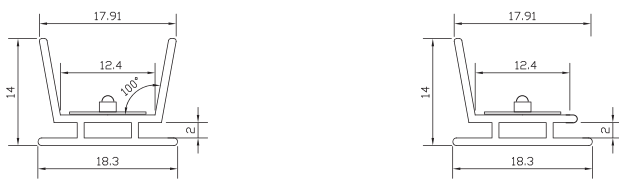The XLine module can use Aris as the light source.

Aris flex strips can be integrated with proper profiles and optical shades into linear light module (XLine Module).

CIVILIGHT

Aris XLine Module

1, Built-in lens, directional 40° / 50° or other special light emission angles;
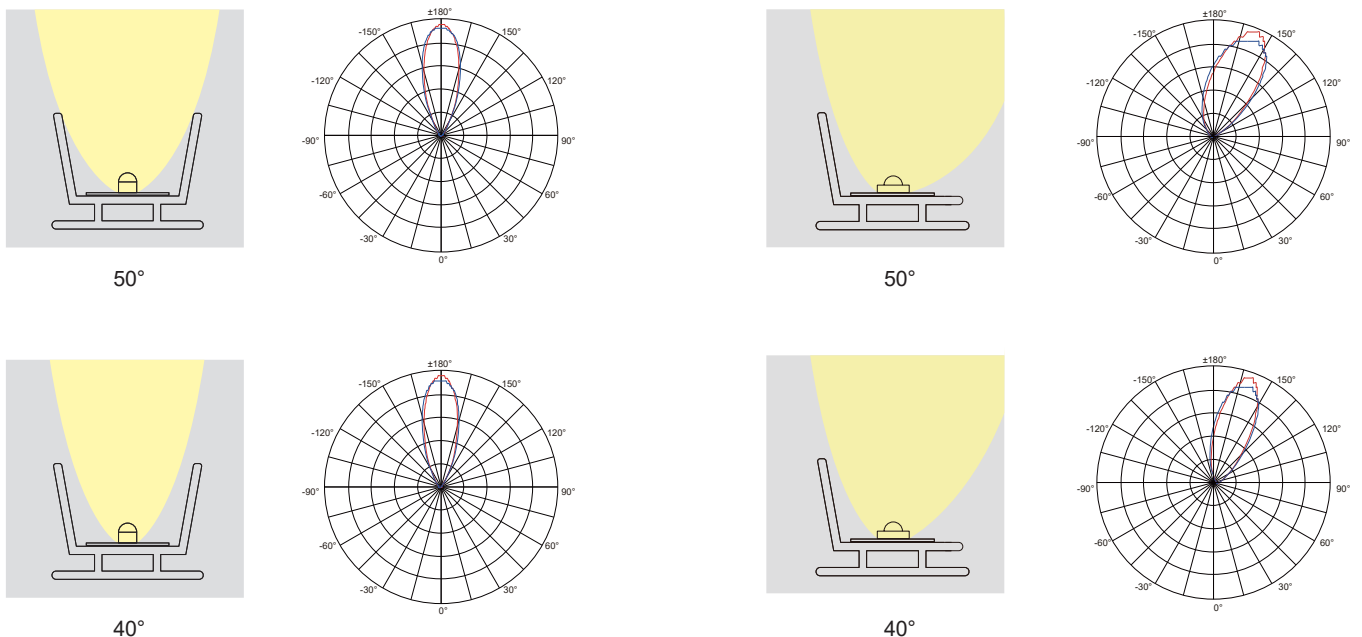2, With high illumination and penetration 5-12 meters;
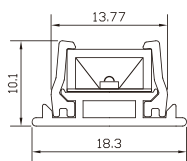
Unit： mm

light source: Aris Flex

Module length: 0.3M/ 0.6M/ 1.2M/ 1.5M
*Length Customizable

Example： Aris XLine Module
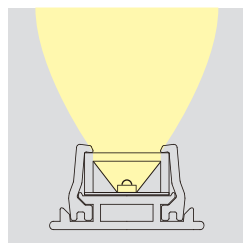
50°

50°

40°

40°

Unit：mm

13.77

10.1
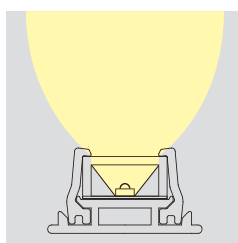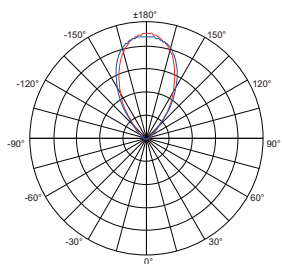
18.3

light source: Aris Silicone light
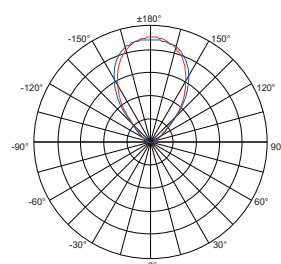
Module length: 0.3M/ 0.6M/ 1.2M/ 1.5M
*Length Customizable

Example：Aris Silicone gel XLine Module

63.9°

72.2°

Industrial Lighting

Light for industry and trade.
Higher illuminance levels for productivity, concentration and well-being.
Lighting in the industrial and trade sector is crucial for safety, efficiency and productivity.
 Well-planned lighting ensures clear visibility and reduces the risk of accidents and errors.
Modern LED technologies offer high luminous efficacy, energy efficiency and a long service life.
Flexible lighting solutions adapt to different work processes and improve the quality of work,
employee comfort and reduce operating costs.
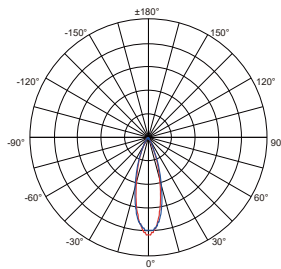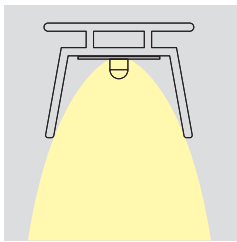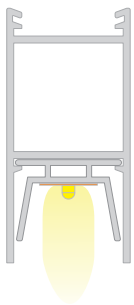
# Outdoor Lighting

Outdoor wall-washing lighting is a fusion of science and art - it uses precise light control to restore the true texture of buildings and conveys the emotional value of space through dynamic color language. Under the "people-oriented" urban lighting concept, excellent wall-washing design not only illuminates buildings but also awakens people's perception and love for the night environment, making every wall a "canvas of light and shadow" that tells the story of the city.
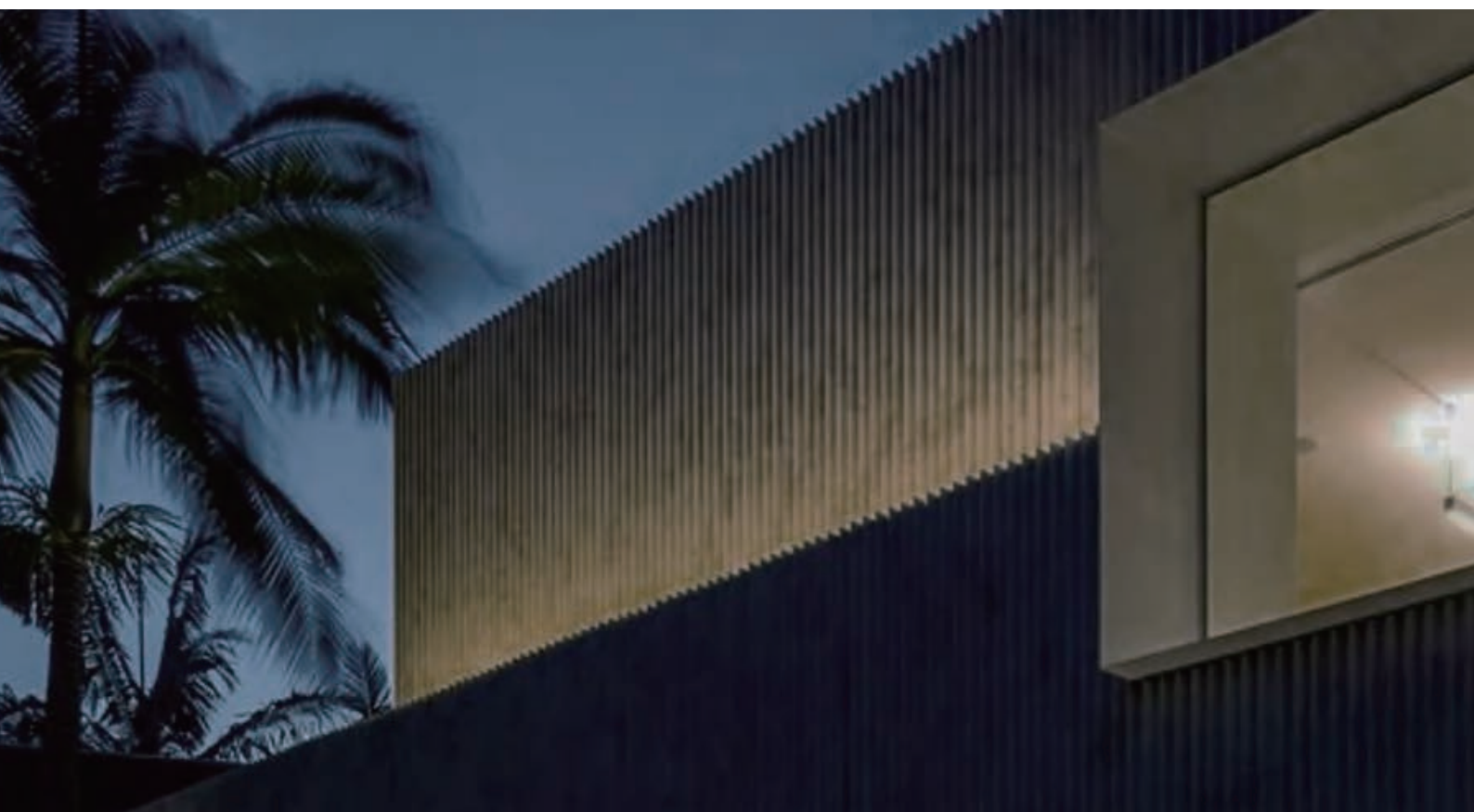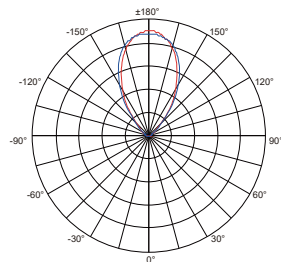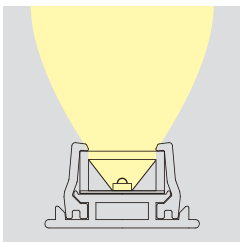
Aris XLine Module DATA

Module length: 0.3M/ 0.6M/ 1.2M/ 1.5M

*Customizable Length

Product	Input (Vdc)	CCT Type	CCT (K)	Efficacy	CRI	Beam Angle(°)
Aris XLine Module	DC24V	Single CCT	2700 3000 4000 6000	115lm/W 120lm/W 125lm/W 120lm/W	90	40°/ 50°/ 63.9°/ 72.2°

Length	0.3M		0.6M		1.2M		1.5M	
CCT (K)	Power	Lumens	Power	Lumens	Power	Lumens	Power	Lumens
2700		690lm		1380lm		2760lm		3450lm
3000	6W	720lm	12W	1440lm	24W	2880lm	30W	3600lm
4000		750lm		1500lm		3000lm		3750lm
6000		720lm		1440lm		2880lm		3600lm

Product	Input (Vdc)	CCT Type	CCT (K)	Efficacy	CRI	Beam Angle(°)
Aris XLine Module	DC24V	Single CCT	2700 3000 4000 6000	115lm/W 120lm/W 125lm/W 120lm/W	90	40°/ 50°/ 63.9°/ 72.2°

Length	0.3M		0.6M		1.2M		1.5M	
CCT (K)	Power	Lumens	Power	Lumens	Power	Lumens	Power	Lumens
2700		1035lm		2070lm		4140lm		5180lm
3000	9W	1080lm	18W	2160lm	36W	4320lm	45W	5400lm
4000		1125lm		2250lm		4500lm		5625lm
6000		1080lm		2160lm		4320lm		5400lm

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