

ARCHISHAPE® 2.0 Linear MAXI

Datasheet



ARCHISHAPE® 2.0 Linear MAXI is a compact, highly reliable, and energy efficient exterior LED linear, unique water-proof structure and excellent lighting effect. The robust ARCHISHAPE® 2.0 Linear product series offers a variety of color and white CCT options, beam angles and power ranges with either static on/off or dynamic control options via standard DMX-512. It is ideal for wall washing application to create dynamic lighting experiences while maintaining superior color consistency.

This product is intended for use in high-quality colored light applications.

Benefits

Compact size

- Easy fit in different architectural structures

Dedicated optic design

- Even washing effect
- Optimized color mixing

DMX control

- Dynamic lighting control

Easy installation and maintenance

- Auto-addressing
- Quick installation and reliable connection by self-locking water-proof connectors

Applications

- Building façades
- General area flood lights
- Landscapes
- Bridges

ARCHISHAPE® 2.0 Linear MAXI

Technical Data

Optical Specifications

		300mm	500mm	1000mm
		14W	21W	42W
Luminous Flux	3000K	1170 lm	1820 lm	3620 lm
	4000K	1230 lm	1910 lm	3820 lm
	RGB	609 lm	903 lm	2064 lm
	RGBW (W: 4000K)	639 lm	1260 lm	2250 lm
Efficacy	White	85 lm/W (4000K)		
	RGB	43 lm/W-49 lm/W		
	RGBW (W: 4000K)	46 lm/W-53 lm/W		
CCT		3000K, 4000K, RGB, RGBW		
CRI		80 (White LED)		
SDCM		5 (White LED)		
Beam Angle	White	11°, 25°, 36°, 15° × 30°, 15° × 55°		
	RGB	36°, 15° × 55°		
	RGBW	11°, 36°, 15° × 55°		

Electrical and Mechanical Specifications

Input Voltage	24V DC		
Power Consumption	14W	21W	42W
Dimensions (L × W × H) (Exclude Mounting Bracket)	300mm × 45mm × 51mm	500mm × 45mm × 51mm	1000mm × 45mm × 51mm
Weight	1kg	1.4kg	2.5kg
Cover Lens	Semi-tempered glass cover		
Housing	Aluminum housing		

System Specifications

Control	ON/OFF		
Max. Interconnection	11 units	8 units	4 units
Adjustment Options	±90° tilt		
Operating Temperature	-20°C to +50°C		
Storage Temperature	-40°C to +80°C		
Environment	Outdoor (IP66)		
Lumen Maintenance	L70@25°C - 50,000hrs		
Safety Approval	Electrical Protection Class III, CE, CB		

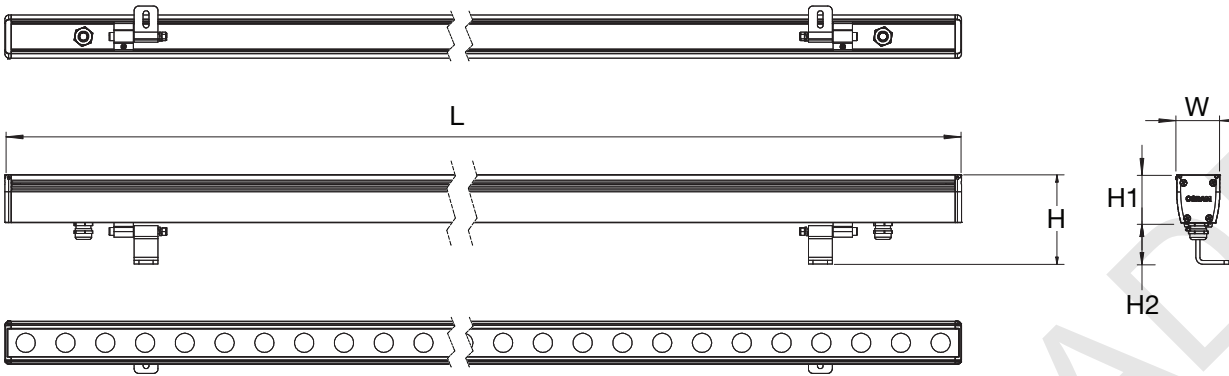
Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

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Dimensions



Dimensions

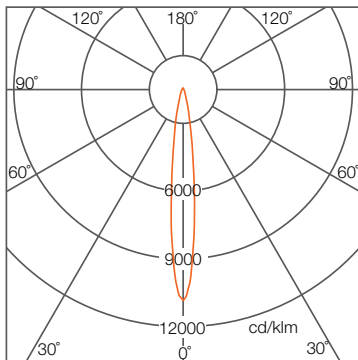
	300mm	500mm	1000mm
L	300mm	500mm	1000mm
W	45mm		
H	114mm		
H1	51mm		
H2	43mm		

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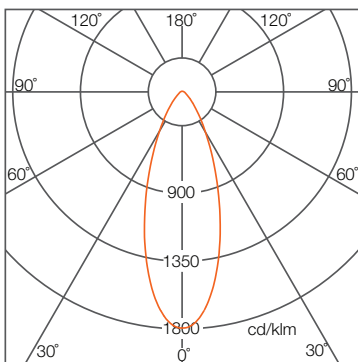
Photometrics

Light Distribution Curve

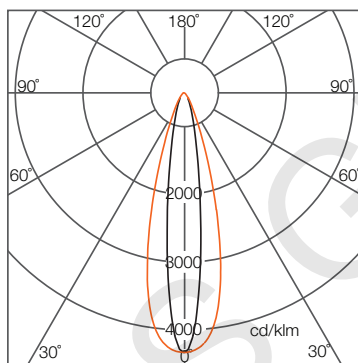
White, 11°



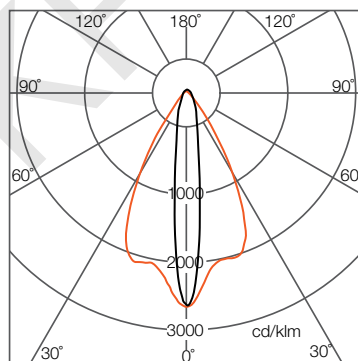
White, RGB, RGBW, 36°



White, 15° x 30°



RGB, RGBW, 15° x 55°



Illuminance at a distance

	Center Beam Lux/klm	Beam Width
0.5m	40656	0.11m
1m	10164	0.21m
1.5m	4517	0.32m
2m	2541	0.42m
2.5m	1626	0.53m
3m	1129	0.63m

For feet multiply by 3.28

Spread: 12.0°
For fc divide by 10.7

	Center Beam Lux/klm	Beam Width
0.5m	7366	0.33m
1m	1842	0.66m
1.5m	818	0.99m
2m	460	1.32m
2.5m	295	1.64m
3m	205	1.97m

For feet multiply by 3.28

Spread: 36.4°
For fc divide by 10.7

	Center Beam Lux/klm	Beam Width
		V H
0.5m	17530	0.27m 0.13m
1m	4383	0.53m 0.26m
1.5m	1948	0.80m 0.39m
2m	1096	1.06m 0.52m
2.5m	701	1.33m 0.65m
3m	487	1.60m 0.78m

For feet multiply by 3.28

Vert. Spread: 29.8°
Horiz. Spread: 14.8°
For fc divide by 10.7

	Center Beam Lux/klm	Beam Width
		V H
0.5m	11192	0.53m 0.12m
1m	2798	1.06m 0.23m
1.5m	1244	1.60m 0.35m
2m	700	2.13m 0.47m
2.5m	448	2.66m 0.59m
3m	311	3.19m 0.70m

For feet multiply by 3.28

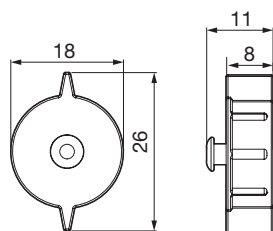
Vert. Spread: 56.0°
Horiz. Spread: 13.4°
For fc divide by 10.7

Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

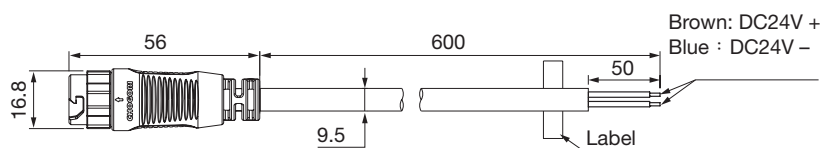
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System Diagram

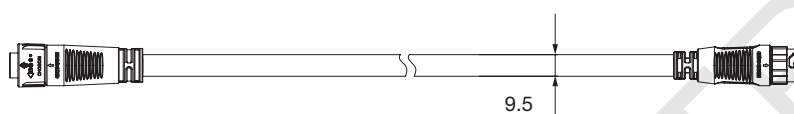
DC On/Off version-Accessories



ASL 2&3-pin Connector Socket End Cap CE
AM259050055

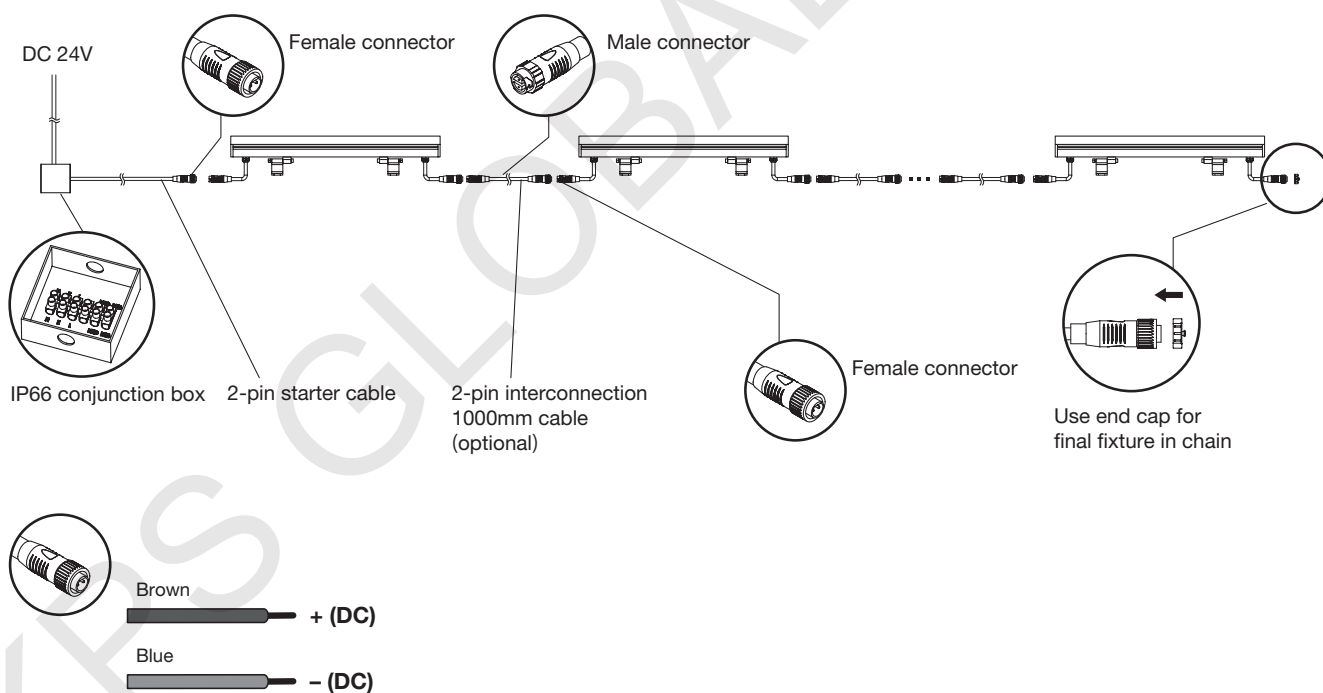


ASL 2-pin DC Power Starter Cable 600 CE
AM251590055



ASL 2-pin DC Interconnection CAB 1000 CE AM251600055

DC On/Off version-System Diagram

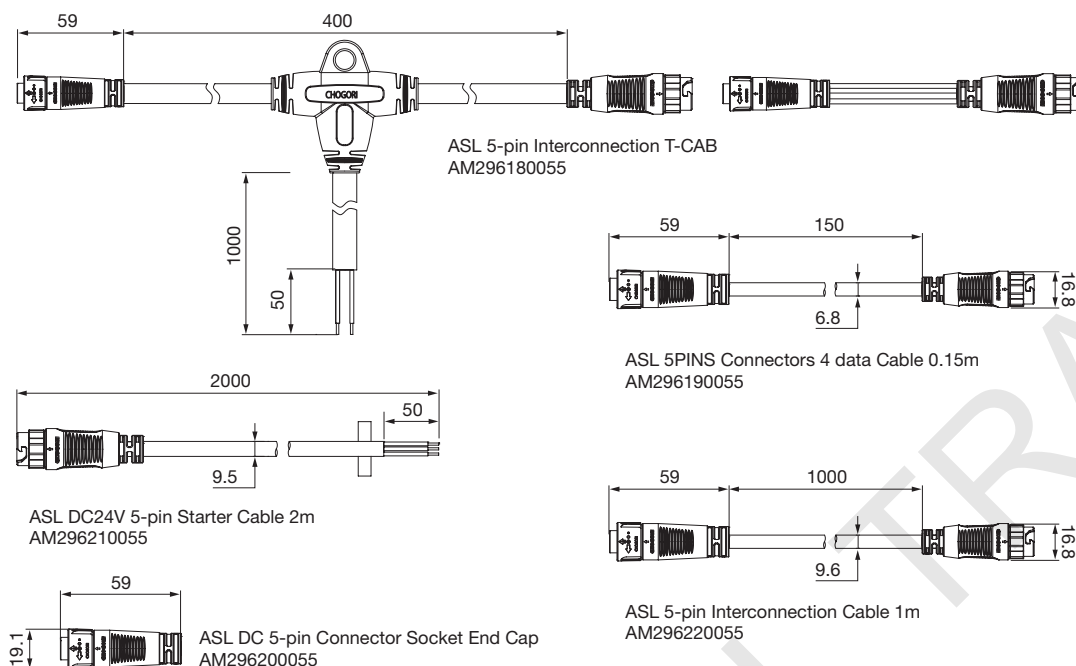


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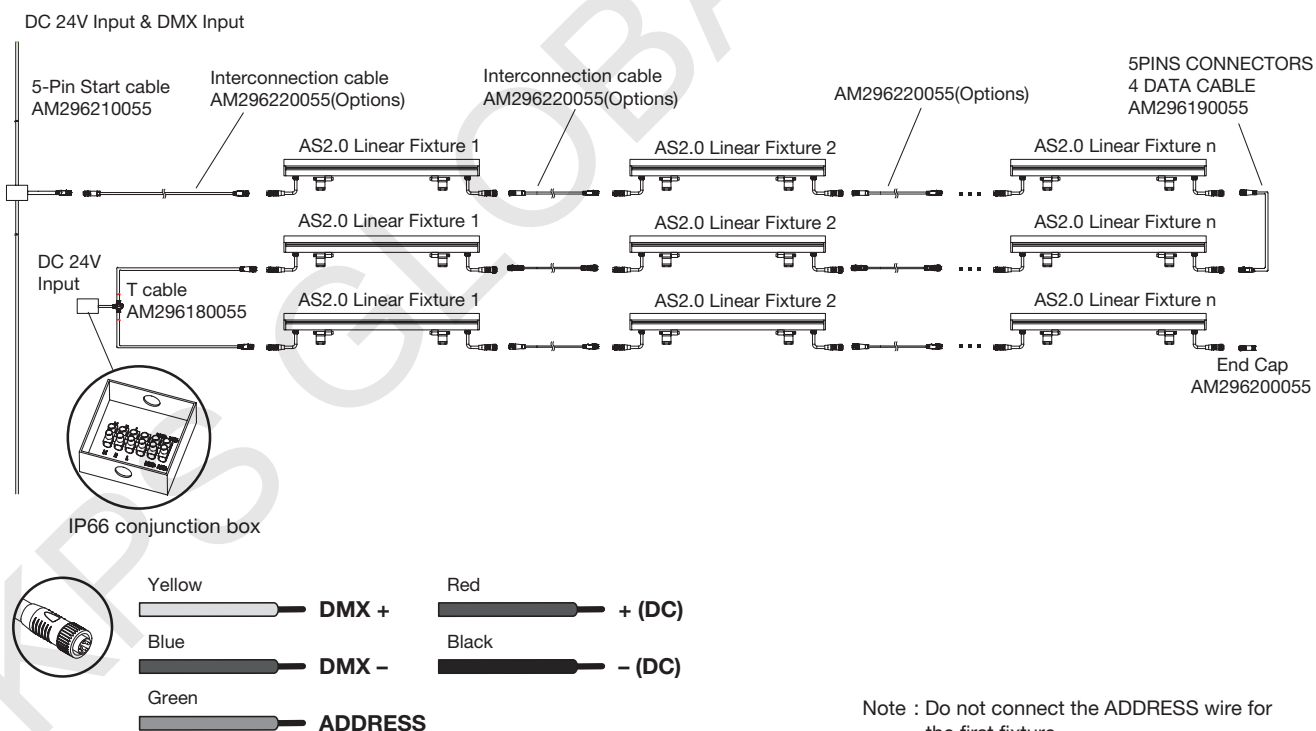
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System Diagram

DC DMX version-Accessories



DC DMX version-System Diagram



Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

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Ordering Codes

Fixture

Short Text	Power	Length	CCT	Beam Angle	Material	EAN40
ASL MAXI DC 14W 830 36D 300 CE	14W	300mm	3000K	36°	AM248320055	4062172019453
ASL MAXI DC 14W 840 36D 300 CE	14W	300mm	4000K	36°	AM248330055	4062172019477
ASL MAXI DC 42W 830 36D 1000 CE	42W	1000mm	3000K	36°	AM248300055	4062172019415
ASL MAXI DC 42W 840 36D 1000 CE	42W	1000mm	4000K	36°	AM248310055	4062172019439
ASL MAXI DC 14W 830 15X30 300 CE	14W	300mm	3000K	15° × 30°	AM248360055	4062172019538
ASL MAXI DC 14W 840 15X30 300 CE	14W	300mm	4000K	15° × 30°	AM248370055	4062172019552
ASL MAXI DC 42W 830 15X30 1000 CE	42W	1000mm	3000K	15° × 30°	AM248340055	4062172019491
ASL MAXI DC 42W 840 15X30 1000 CE	42W	1000mm	4000K	15° × 30°	AM248350055	4062172019514

Fixture (White DMX)

Short Text	Power	Length	CCT	Beam Angle	Material	EAN40
ASL MAXI DC 42W 830 36D D1 1000 CE	42W	1000mm	3000K	36°	AM315840055	4062172073721
ASL MAXI DC 42W 840 36D D1 1000 CE	42W	1000mm	4000K	36°	AM315860055	4062172073974
ASL MAXI DC 21W 830 36D D1 500 CE	21W	500mm	3000K	36°	AM315900055	4062172073752
ASL MAXI DC 21W 840 36D D1 500 CE	21W	500mm	4000K	36°	AM315910055	4062172073998
ASL MAXI DC 14W 830 36D D1 300 CE	14W	300mm	3000K	36°	AM315930055	4062172073776
ASL MAXI DC 14W 840 36D D1 300 CE	14W	300mm	4000K	36°	AM315940055	4062172074018
ASL MAXI DC 42W 830 15X30 D1 1000 CE	42W	1000mm	3000K	15° × 30°	AM315950055	4062172073790
ASL MAXI DC 42W 840 15X30 D1 1000 CE	42W	1000mm	4000K	15° × 30°	AM315960055	4062172074032
ASL MAXI DC 21W 830 15X30 D1 500 CE	21W	500mm	3000K	15° × 30°	AM315970055	4062172073813
ASL MAXI DC 21W 840 15X30 D1 500 CE	21W	500mm	4000K	15° × 30°	AM315990055	4062172074056
ASL MAXI DC 14W 830 15X30 D1 300 CE	14W	300mm	3000K	15° × 30°	AM316000055	4062172073837
ASL MAXI DC 14W 840 15X30 D1 300 CE	14W	300mm	4000K	15° × 30°	AM316010055	4062172074070

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Ordering Codes

Fixture (RGB/RGBW DMX)

Short Text	Power	Length	CCT	Beam Angle	Material	EAN40
ASL MAXI DC 42W RGB 36D D1 1000 CE	42W	1000mm	RGB	36°	AM316020055	4062172073721
ASL MAXI DC 42W RGBW40 36D D1 1000 CE	42W	1000mm	RGBW40	36°	AM316030055	4062172074117
ASL MAXI DC 21W RGB 36D D1 500 CE	21W	500mm	RGB	36°	AM316050055	4062172073752
ASL MAXI DC 21W RGBW40 36D D1 500 CE	21W	500mm	RGBW40	36°	AM316060055	4062172074131
ASL MAXI DC 14W RGB 36D D1 300 CE	14W	300mm	RGB	36°	AM316070055	4062172073776
ASL MAXI DC 14W RGBW40 36D D1 300 CE	14W	300mm	RGBW40	36°	AM316080055	4062172074155
ASL MAXI DC 42W RGB 15X55 D1 1000 CE	42W	1000mm	RGB	15° × 55°	AM316090055	4062172073851
ASL MAXI DC 42W RGBW40 15X55 D1 1000 CE	42W	1000mm	RGBW40	15° × 55°	AM316100055	4062172074179
ASL MAXI DC 21W RGB 15X55 D1 500 CE	21W	500mm	RGB	15° × 55°	AM316110055	4062172073875
ASL MAXI DC 21W RGBW40 15X55 D1 500 CE	21W	500mm	RGBW40	15° × 55°	AM316120055	4062172074193
ASL MAXI DC 14W RGB 15X55 D1 300 CE	14W	300mm	RGB	15° × 55°	AM316130055	4062172073899
ASL MAXI DC 14W RGBW40 15X55 D1 300 CE	14W	300mm	RGBW40	15° × 55°	AM316140055	4062172074216

Accessories

Short Text	Material	EAN40
ASL 2-pin DC Power Starter Cable 2000 CE	AM331500055	4062172084888
ASL 2-pin DC Interconnection CAB 1000 CE	AM251600055	4062172024693
ASL 2/3-pin Connector Socket End Cap CE	AM259050055	4062172026673
ASL 5-pin Interconnection T-CAB	AM296180055	4062172057660
ASL 5PINS Connectors 4 data Cable 150mm	AM296190055	4062172057677
ASL DC 5-pin Connector Socket End Cap	AM296200055	4062172057684
ASL DC24V 5-pin Starter Cable 2m	AM296210055	4062172057691
ASL 5-pin Interconnection Cable 1m	AM296220055	4062172057707

Note: Other power, length, CCT or beam angle options are made to order.