

ARCHISHAPE® 2.5 Washer Datasheet



ARCHISHAPE® 2.5 Washer series is a compact, yet powerful flood light for facade illumination. The luminaire delivers highly consistent, fine-tuned color with superior RGBW color mixing for long distance dynamic lighting applications. The robust ARCHISHAPE® 2.5 Washer 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 and optional RDM functionality. This product is intended for use in high-quality colored light applications.

Benefits

Superior color mixing

- Precise optics control
- RGBW for fine-tuned color

DMX control

- Dimmable
- Dynamic lighting control

Easy installation and maintenance

- Quick installation and reliable connection by self-locking waterproof connectors
- RDM status feedback (Optional)

Applications

- Building façades
- Landscapes
- Bridges
- Area structures

This product contains a light source of energy efficiency class G to Regulation (EU) No 2019/2015.

Note: LED Modules when marketed as part of a luminaire from which they are not intended to be removed by the end-user.

ARCHISHAPE® 2.5 Washer

Technical Data

Optical Specifications

		9W	18W	36W
Light Source		6 LEDs	9 LEDs	18 LEDs
Luminous Flux	2700K	720 lm	1260 lm	2520 lm
	3000K	855 lm	1440 lm	2880 lm
	4000K	900 lm	1530 lm	3060 lm
	RGB	315 lm	630 lm	1270 lm
	RGBW (W: 4000K)	405 lm	810 lm	1620 lm
Efficacy	White	85 lm/W (4000K)		
	RGB	35 lm/W (4000K)		
	RGBW (W: 4000K)	45 lm/W		
CCT		2700K, 3000K, 4000K, RGB, RGBW		
CRI		80 (White LED)		
SDCM		5 (White LED)		
Beam Angle		4.5°, 10°, 15°, 30°, 60° For 4.5° optics, please contact our regional sales office for availability.		

Electrical and Mechanical Specifications

Input Voltage	DC 24V		
Power Consumption	9W	18W	36W
Dimensions (ΦD × L) (Exclude Mounting Bracket)	120mm x 85mm	200mm x 165mm	200mm x 165mm
Weight	0.85kg	3.00kg	3.20kg
Cover Lens	Tempered glass cover		
Housing	Aluminum housing		

System Specifications

Control	ON/OFF, DMX512, RDM (Made to order)
Adjustment Options	±90° tilt
Operating Temperature	-20°C to +50°C
Storage Temperature	-40°C to +80°C
Environment	Outdoor (IP66, IK08)
Lumen Maintenance	L70@25°C - 50,000hrs
Safety Approval	Electrical Protection Class III, CE, CB, RoHS

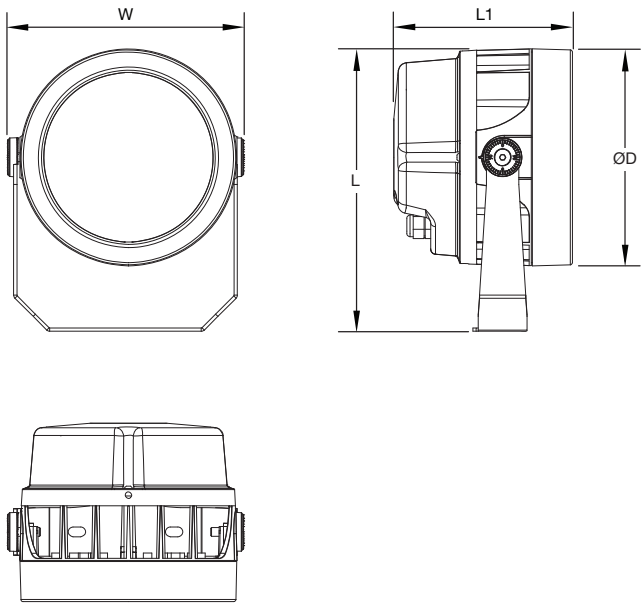
Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

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.

ARCHISHAPE® 2.5 Washer

Dimensions



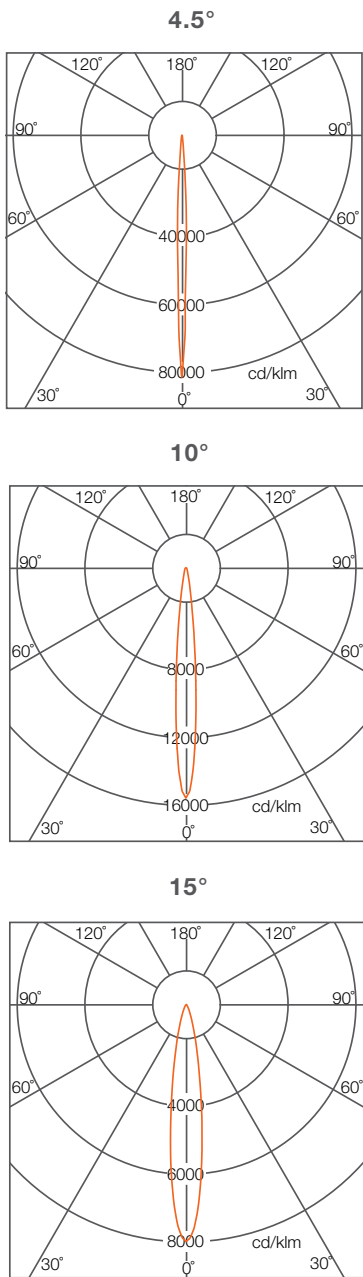
Dimensions

	9W	18W/36W
Fixture		
ΦD	120mm	200mm
W	135mm	219mm
L	160mm	262mm
L1	85mm	165mm
Input/Output cable		
On/Off	600mm	600mm
DMX	600mm	600mm

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Photometrics

Light Distribution Curve



Illuminance at a distance

	Center Beam Lux/klm	Beam Width	
		V	H
0.5m	324018	0.03m	0.04m
1m	81027	0.07m	0.08m
1.5m	36012	0.10m	0.13m
2m	20257	0.13m	0.17m
2.5m	12964	0.17m	0.21m
3m	9003	0.20m	0.25m

For feet multiply by 3.28

● Vert. Spread: 3.8°
● Horiz. Spread: 4.8°
For fc divide by 10.7

	Center Beam Lux/klm	Beam Width
		H
0.5m	62724	0.09m
1m	15681	0.17m
1.5m	6969	0.26m
2m	3920	0.34m
2.5m	2509	0.43m
3m	1742	0.51m

For feet multiply by 3.28

● Horiz. Spread: 9.8°
For fc divide by 10.7

	Center Beam Lux/klm	Beam Width
		H
0.5m	32238	0.13m
1m	8060	0.27m
1.5m	3582	0.40m
2m	2015	0.53m
2.5m	1290	0.67m
3m	896	0.80m

For feet multiply by 3.28

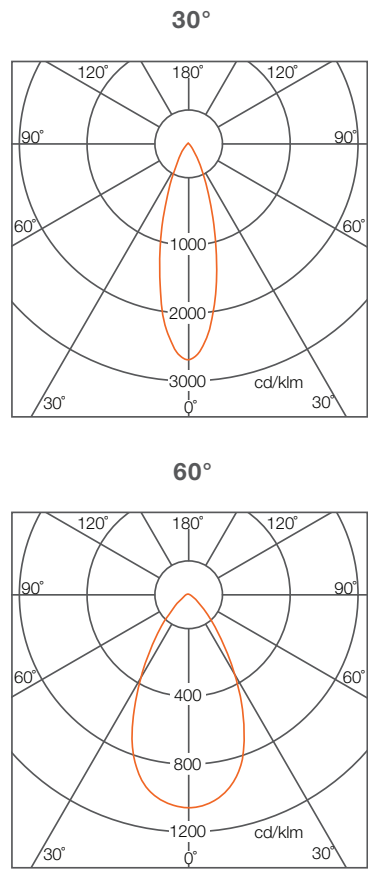
● Horiz. Spread: 15.2°
For fc divide by 10.7

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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Photometrics

Light Distribution Curve



Illuminance at a distance

	Center Beam Lux/klm	Beam Width	
		V	H
0.5m	11228	0.27m	0.27m
1m	2807	0.54m	0.53m
1.5m	1248	0.80m	0.80m
2m	702	1.07m	1.06m
2.5m	449	1.34m	1.33m
3m	312	1.61m	1.60m

For feet multiply by 3.28

● Vert. Spread: 30.0°
● Horiz. Spread: 29.8°
For fc divide by 10.7

	Center Beam Lux/klm	Beam Width
		H
0.5m	4204	0.55m
1m	1051	1.09m
1.5m	467	1.64m
2m	263	2.18m
2.5m	168	2.73m
3m	117	3.27m

For feet multiply by 3.28

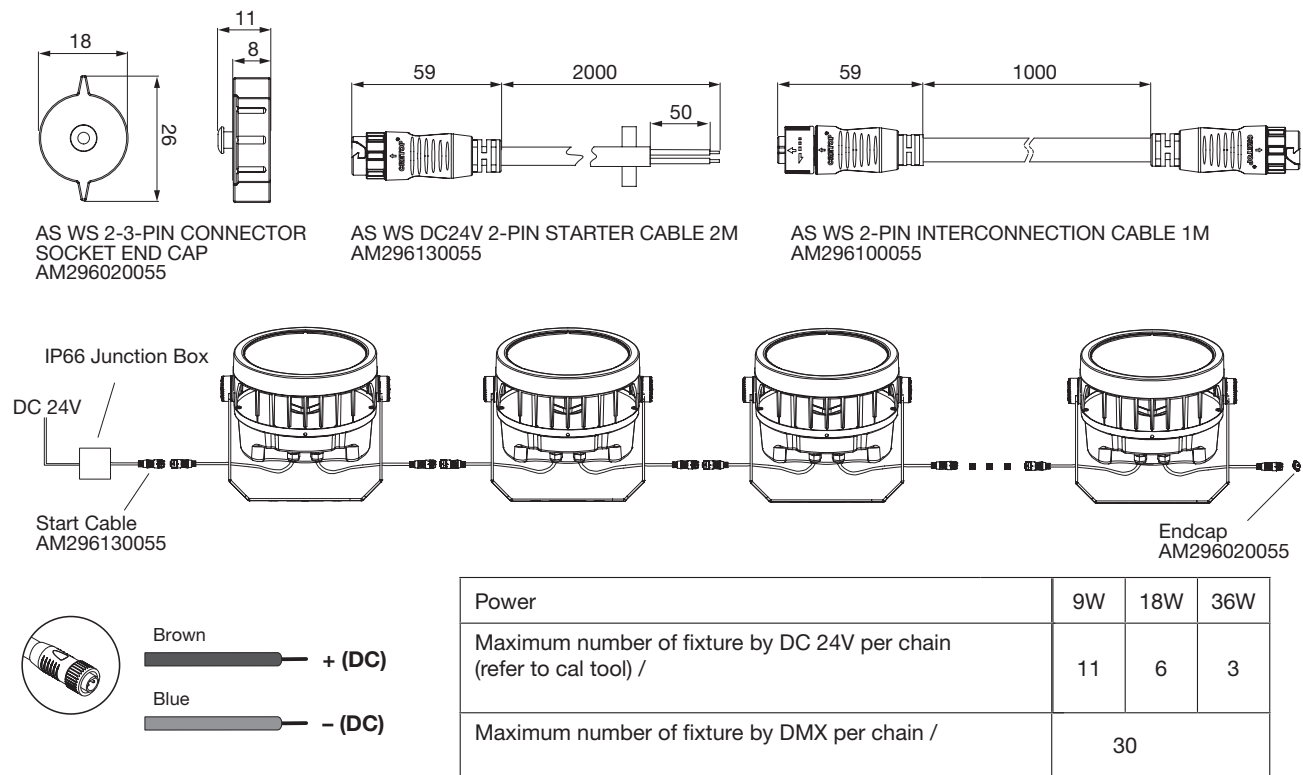
● Horiz. Spread: 57.2°
For fc divide by 10.7

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

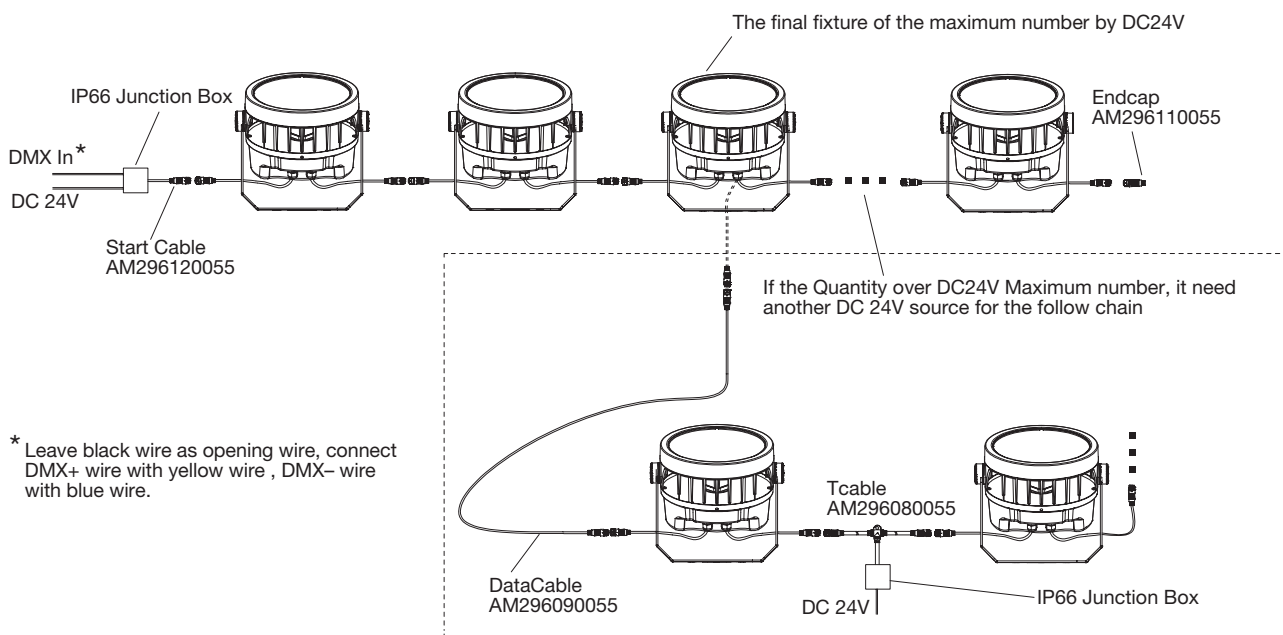
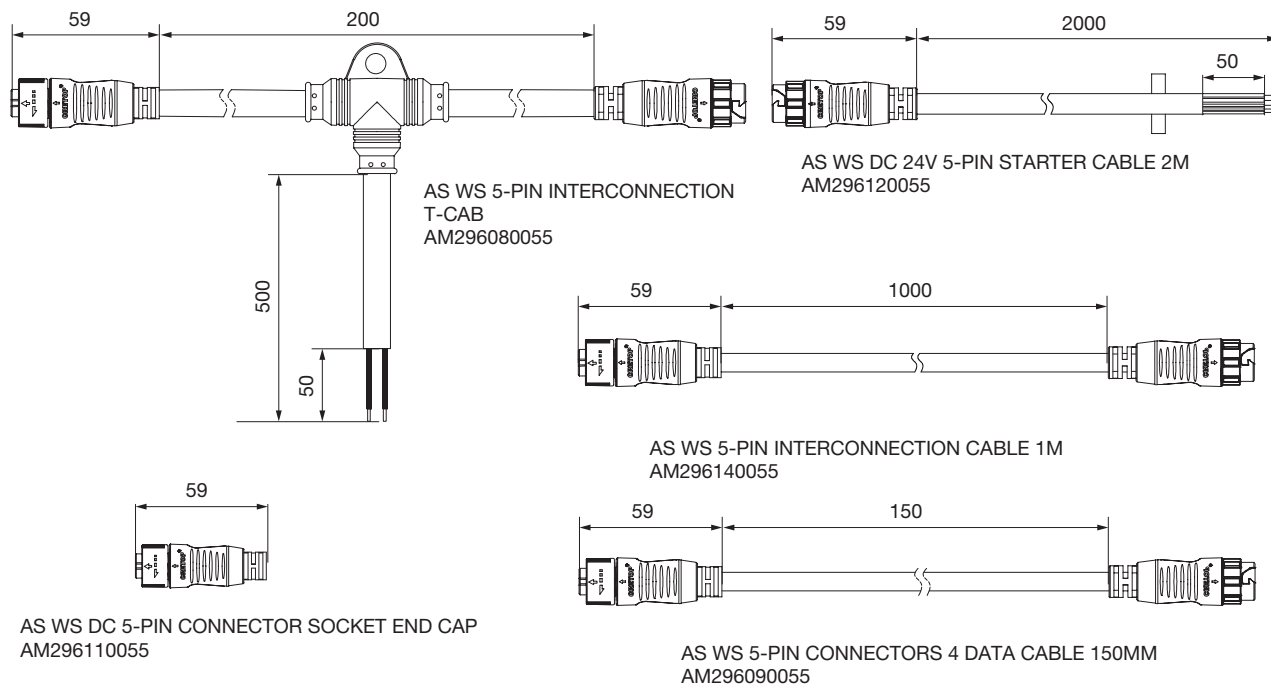
DC On/Off Version



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System Diagram

DC DMX Version



* Leave black wire as opening wire, connect DMX+ wire with yellow wire, DMX- wire with blue wire.



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Ordering Codes

Fixture (White ON/OFF)

Short Text	Material	Power	CCT	Beam Angle	EAN40
AS WS XS DC 9W 827 10D ONOFF	AM219340055	9W	2700K	10°	4052899604513
AS WS XS DC 9W 830 10D ONOFF	AM219350055	9W	3000K	10°	4052899604520
AS WS XS DC 9W 840 10D ONOFF	AM219360055	9W	4000K	10°	4052899604537
AS WS XS DC 9W 827 30D ONOFF	AM219370055	9W	2700K	30°	4052899604544
AS WS XS DC 9W 830 30D ONOFF	AM219380055	9W	3000K	30°	4052899604551
AS WS XS DC 9W 840 30D ONOFF	AM219390055	9W	4000K	30°	4052899604568
AS WS S DC 18W 827 10D ONOFF	AM219430055	18W	2700K	10°	4052899604605
AS WS S DC 18W 830 10D ONOFF	AM219440055	18W	3000K	10°	4052899604612
AS WS S DC 18W 840 10D ONOFF	AM219450055	18W	4000K	10°	4052899604629
AS WS S DC 18W 827 30D ONOFF	AM219460055	18W	2700K	30°	4052899604636
AS WS S DC 18W 830 30D ONOFF	AM219470055	18W	3000K	30°	4052899604643
AS WS S DC 18W 840 30D ONOFF	AM219480055	18W	4000K	30°	4052899604650
AS WS S DC 36W 827 10D ONOFF	AM219520055	36W	2700K	10°	4052899604698
AS WS S DC 36W 830 10D ONOFF	AM219530055	36W	3000K	10°	4052899604704
AS WS S DC 36W 840 10D ONOFF	AM219540055	36W	4000K	10°	4052899604711
AS WS S DC 36W 827 30D ONOFF	AM219550055	36W	2700K	30°	4052899604728
AS WS S DC 36W 830 30D ONOFF	AM219560055	36W	3000K	30°	4052899604735
AS WS S DC 36W 840 30D ONOFF	AM219570055	36W	4000K	30°	4052899604742
AS WS S DC 36W 827 60D ONOFF	AM219580055	36W	2700K	60°	4052899604759
AS WS S DC 36W 830 60D ONOFF	AM219590055	36W	3000K	60°	4052899604766
AS WS S DC 36W 840 60D ONOFF	AM219600055	36W	4000K	60°	4052899604773

Fixture ((RGB/RGBW DMX)

Short Text	Material	Power	Color	Beam Angle	EAN40
AS WS S DC 36W RGB 30D DMX	AM219620055	36W	RGB	30°	4052899604780
AS WS S DC 36W RGB 60D DMX	AM219630055	36W	RGB	60°	4052899604797
AS WS S DC 36W RGBW40 30D DMX	AM219650055	36W	RGBW40	30°	4052899604810
AS WS S DC 36W RGBW40 60D DMX	AM219680055	36W	RGBW40	60°	4052899604841

Accessory

Short Text	Material	EAN40
AS WS 2-3-pin Connector Socket End Cap	AM296020055	4062172057509
AS WS 5-pin Interconnection T-CAB	AM296080055	4062172057561
AS WS 5-pin Connectors 4 data Cable 150mm	AM296090055	4062172057578
AS WS 2-pin Interconnection Cable 1m	AM296100055	4062172057585
AS WS DC 5-pin Connector Socket End Cap	AM296110055	4062172057592
AS WS DC24V 5-pin Starter Cable 2m	AM296120055	4062172057608
AS WS DC24V 2-pin Starter Cable 2m	AM296130055	4062172057615
AS WS 5-pin Interconnection Cable 1m	AM296140055	4062172057622

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

