

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

		54W	90W	150W	180W
Light Source		24 LEDs	48 LEDs	72 LEDs	90 LEDs
Luminous Flux	2700K	3780 lm	6300 lm	10500 lm	12600 lm
	3000K	4320 lm	7200 lm	12000 lm	14400 lm
	4000K	4590 lm	7650 lm	12660 lm	15300 lm
	RGB	1890 lm	2940 lm	5250 lm	6300 lm
	RGBW (W: 4000K)	2430 lm	4050 lm	6525 lm	8100 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	220-240V AC 50/60Hz			
Power Consumption	54W	90W	150W	180W
Power Factor	>0.9			
Total Harmonic Distortion	<20%			
Surge Protection	Line-to-line 5KV, line-to-ground 10KV			
Dimensions (ΦD × L) (Exclude Mounting Bracket)	275mm x 322mm	275mm x 322mm	348mm x 327mm	398mm x 373mm
Weight	6.0kg	6.5kg	9.5kg	12.5kg
Cover Lens	Tempered glass cover			
Housing	Aluminum housing			

System Specifications

Power	AC line
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 I, CE, CB, RoHS

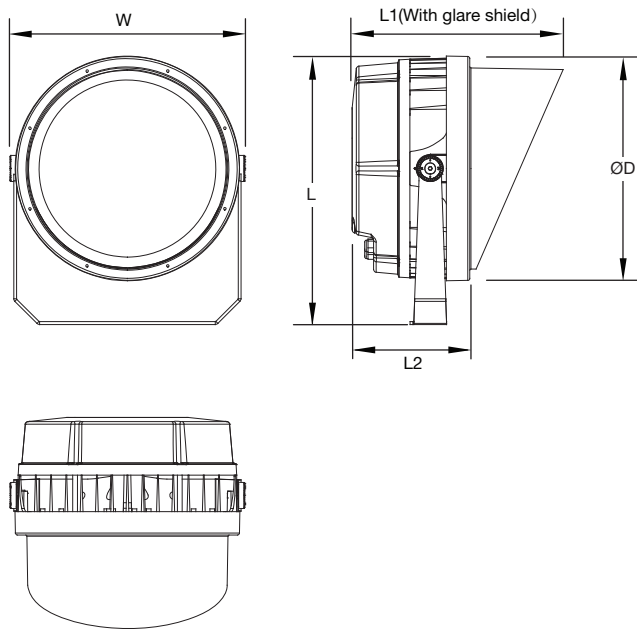
Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

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



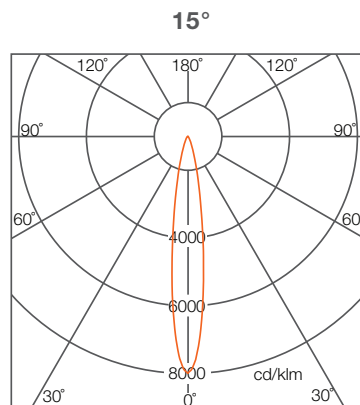
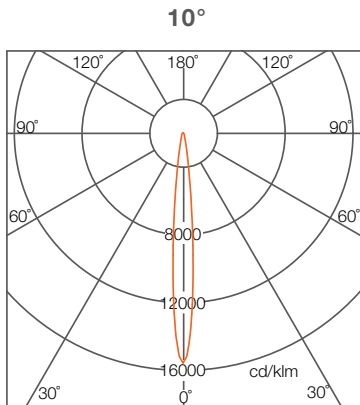
Dimensions

	54W	90W	150W	180W
Fixture				
ΦD	275mm	275mm	348mm	398mm
W	297mm	297mm	354mm	415mm
L	349mm	349mm	426mm	475mm
L1	322mm	322mm	327mm	373mm
L2	200mm	200mm	185mm	206mm
Input/Output cable				
On/Off	600mm	600mm	600mm	600mm
DMX	600mm	600mm	600mm	600mm

ARCHISHAPE® 2.5 Washer

Photometrics

Light Distribution Curve



Illuminance at a distance

	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

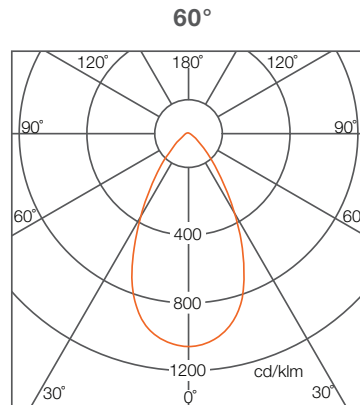
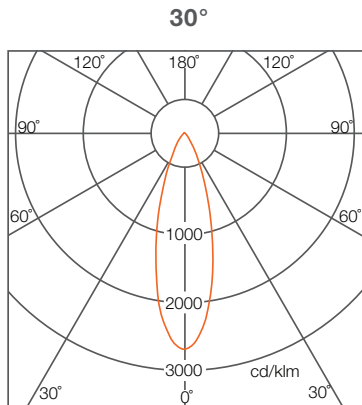
● Horiz. Spread: 15.2°
For fc divide by 10.7

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.

ARCHISHAPE® 2.5 Washer

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

■ Vert. Spread: 30.0°
■ Horiz. Spread: 29.8°
 For feet multiply by 3.28
 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

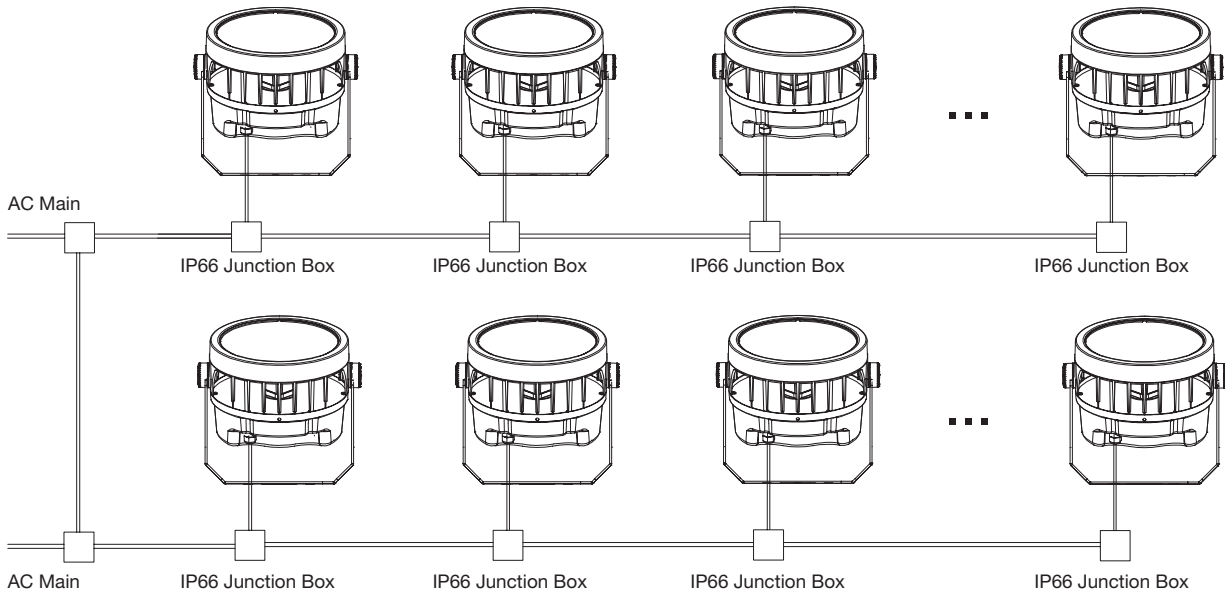
■ Horiz. Spread: 57.2°
 For feet multiply by 3.28
 For fc divide by 10.7

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.

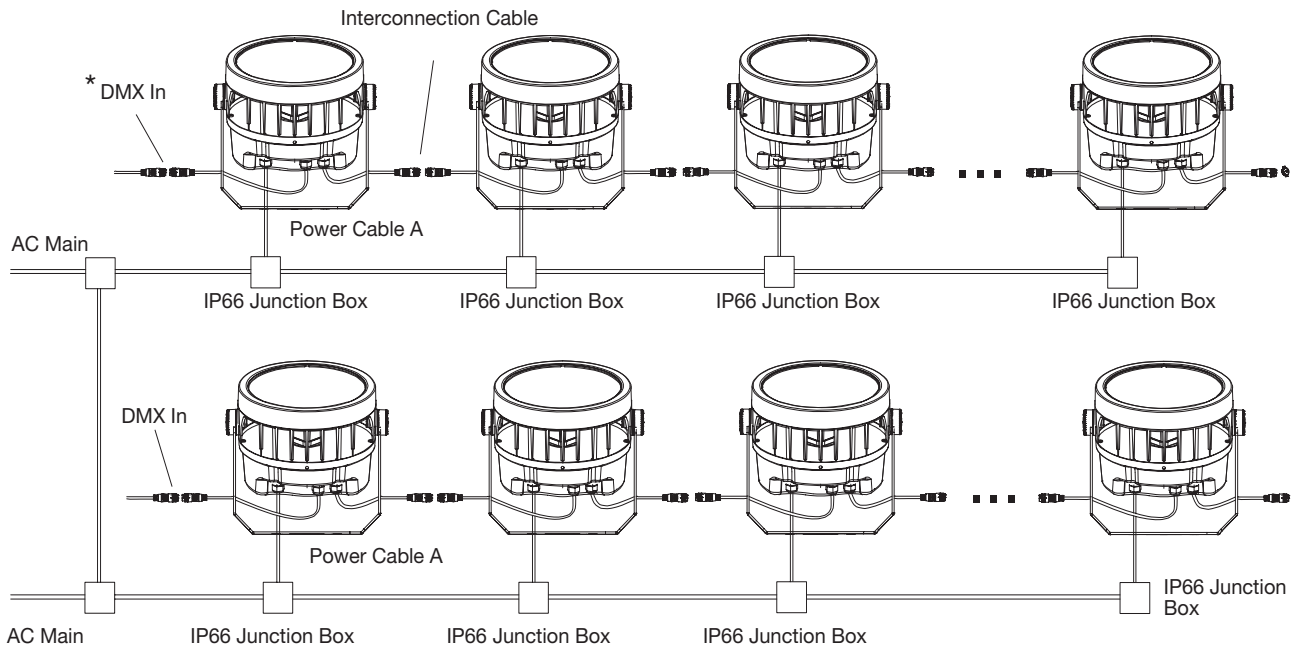
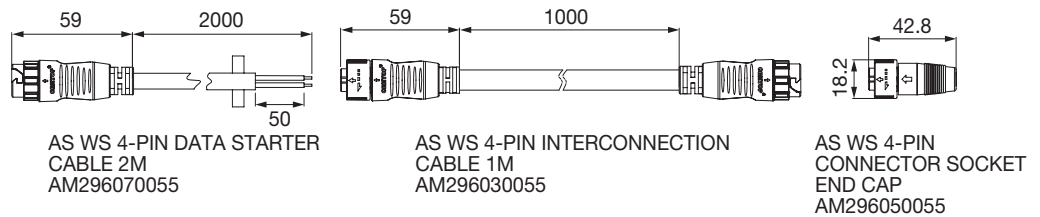
ARCHISHAPE® 2.5 Washer

System Diagram

AC On/Off Version



AC DMX Version



* Leave black wire as opening wire, connect DMX+ wire with brown wire , DMX- wire with blue wire, GND of controller with yellow&green wire.

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.

ARCHISHAPE® 2.5 Washer

Ordering Codes

Fixture (White ON/OFF)

Short Text	Material	Power	CCT	Beam Angle	Louver	EAN40
AS WS M AC 54W 827 10D ONOFF GS	AM219950055	54W	2700K	10°	Y	4052899602595
AS WS M AC 54W 830 10D ONOFF GS	AM219960055	54W	3000K	10°	Y	4052899602601
AS WS M AC 54W 840 10D ONOFF GS	AM219970055	54W	4000K	10°	Y	4052899602618
AS WS M AC 54W 827 30D ONOFF GS	AM219980055	54W	2700K	30°	Y	4052899602625
AS WS M AC 54W 830 30D ONOFF GS	AM219990055	54W	3000K	30°	Y	4052899602632
AS WS M AC 54W 840 30D ONOFF GS	AM220000055	54W	4000K	30°	Y	4052899602649
AS WS M AC 54W 827 60D ONOFF GS	AM220010055	54W	2700K	60°	Y	4052899602656
AS WS M AC 54W 830 60D ONOFF GS	AM220020055	54W	3000K	60°	Y	4052899602663
AS WS M AC 54W 840 60D ONOFF GS	AM220030055	54W	4000K	60°	Y	4052899602670
AS WS M AC 90W 827 10D ONOFF GS	AM219700055	90W	2700K	10°	Y	4052899602960
AS WS M AC 90W 830 10D ONOFF GS	AM219710055	90W	3000K	10°	Y	4052899602977
AS WS M AC 90W 840 10D ONOFF GS	AM219720055	90W	4000K	10°	Y	4052899602984
AS WS M AC 90W 827 30D ONOFF GS	AM219730055	90W	2700K	30°	Y	4052899602991
AS WS M AC 90W 830 30D ONOFF GS	AM219740055	90W	3000K	30°	Y	4052899603004
AS WS M AC 90W 840 30D ONOFF GS	AM219750055	90W	4000K	30°	Y	4052899603011
AS WS M AC 90W 827 60D ONOFF GS	AM219760055	90W	2700K	60°	Y	4052899603028
AS WS M AC 90W 830 60D ONOFF GS	AM219770055	90W	3000K	60°	Y	4052899603035
AS WS M AC 90W 840 60D ONOFF GS	AM219780055	90W	4000K	60°	Y	4052899603042
AS WS L AC 150W 827 10D ONOFF GS	AM221410055	150W	2700K	10°	Y	4052899603349
AS WS L AC 150W 830 10D ONOFF GS	AM221420055	150W	3000K	10°	Y	4052899603356
AS WS L AC 150W 840 10D ONOFF GS	AM221430055	150W	4000K	10°	Y	4052899603363
AS WS L AC 150W 827 30D ONOFF GS	AM221440055	150W	2700K	30°	Y	4052899603370
AS WS L AC 150W 830 30D ONOFF GS	AM221450055	150W	3000K	30°	Y	4052899603387
AS WS L AC 150W 840 30D ONOFF GS	AM221460055	150W	4000K	30°	Y	4052899603394
AS WS L AC 150W 827 60D ONOFF GS	AM221470055	150W	2700K	60°	Y	4052899603400
AS WS L AC 150W 830 60D ONOFF GS	AM221480055	150W	3000K	60°	Y	4052899603417
AS WS L AC 150W 840 60D ONOFF GS	AM221490055	150W	4000K	60°	Y	4052899603424
AS WS XL AC 180W 827 10D ONOFF GS	AM220830055	180W	2700K	10°	Y	4052899603660
AS WS XL AC 180W 830 10D ONOFF GS	AM220840055	180W	3000K	10°	Y	4052899603677
AS WS XL AC 180W 840 10D ONOFF GS	AM220850055	180W	4000K	10°	Y	4052899603684
AS WS XL AC 180W 827 30D ONOFF GS	AM220860055	180W	2700K	30°	Y	4052899603691
AS WS XL AC 180W 830 30D ONOFF GS	AM220870055	180W	3000K	30°	Y	4052899603707
AS WS XL AC 180W 840 30D ONOFF GS	AM220880055	180W	4000K	30°	Y	4052899603714
AS WS XL AC 180W 827 60D ONOFF GS	AM220890055	180W	2700K	60°	Y	4052899603721
AS WS XL AC 180W 830 60D ONOFF GS	AM220900055	180W	3000K	60°	Y	4052899603738
AS WS XL AC 180W 840 60D ONOFF GS	AM220910055	180W	4000K	60°	Y	4052899603745

ARCHISHAPE® 2.5 Washer

Ordering Codes

Fixture (White ON/OFF)

Short Text	Material	Power	CCT	Beam Angle	Louver	EAN40
AS WS M AC 54W 830 10D ONOFF	AM330370055	54W	3000K	10°	N	4062172083287
AS WS M AC 54W 840 10D ONOFF	AM330380055	54W	4000K	10°	N	4062172083171
AS WS M AC 54W 830 30D ONOFF	AM330390055	54W	3000K	30°	N	4062172083294
AS WS M AC 54W 840 30D ONOFF	AM330400055	54W	4000K	30°	N	4062172083195
AS WS M AC 54W 830 60D ONOFF	AM330410055	54W	3000K	60°	N	4062172083300
AS WS M AC 54W 840 60D ONOFF	AM330420055	54W	4000K	60°	N	4062172083225
AS WS M AC 90W 830 10D ONOFF	AM330470055	90W	3000K	10°	N	4062172083355
AS WS M AC 90W 840 10D ONOFF	AM330480055	90W	4000K	10°	N	4062172083232
AS WS M AC 90W 830 30D ONOFF	AM330500055	90W	3000K	30°	N	4062172083362
AS WS M AC 90W 840 30D ONOFF	AM330510055	90W	4000K	30°	N	4062172083249
AS WS M AC 90W 830 60D ONOFF	AM330520055	90W	3000K	60°	N	4062172083379
AS WS M AC 90W 840 60D ONOFF	AM330540055	90W	4000K	60°	N	4062172083256
AS WS L AC 150W 830 10D ONOFF	AM330590055	150W	3000K	10°	N	4062172083409
AS WS L AC 150W 840 10D ONOFF	AM330600055	150W	4000K	10°	N	4062172083263
AS WS L AC 150W 830 30D ONOFF	AM330620055	150W	3000K	30°	N	4062172083539
AS WS L AC 150W 840 30D ONOFF	AM330690055	150W	4000K	30°	N	4062172083645
AS WS L AC 150W 830 60D ONOFF	AM330800055	150W	3000K	60°	N	4062172083911
AS WS L AC 150W 840 60D ONOFF	AM330810055	150W	4000K	60°	N	4062172083928
AS WS XL AC 180W 830 10D ONOFF	AM330920055	180W	3000K	10°	N	4062172083881
AS WS XL AC 180W 840 10D ONOFF	AM330930055	180W	4000K	10°	N	4062172083980
AS WS XL AC 180W 830 30D ONOFF	AM330940055	180W	3000K	30°	N	4062172083997
AS WS XL AC 180W 840 30D ONOFF	AM330950055	180W	4000K	30°	N	4062172083898
AS WS XL AC 180W 830 60D ONOFF	AM330970055	180W	3000K	60°	N	4062172083904
AS WS XL AC 180W 840 60D ONOFF	AM330980055	180W	4000K	60°	N	4062172084000

ARCHISHAPE® 2.5 Washer

Ordering Codes

Fixture (RGB/RGBW DMX)

Short Text	Material	Power	Color	Beam Angle	Louver	EAN40
AS WS M AC 54W RGB 30D DMX GS	AM220040055	54W	RGB	30°	Y	4052899602687
AS WS M AC 54W RGB 60D DMX GS	AM220050055	54W	RGB	60°	Y	4052899602694
AS WS M AC 54W RGBW40 30D DMX GS	AM220070055	54W	RGBW	30°	Y	4052899602717
AS WS M AC 54W RGBW40 60D DMX GS	AM220100055	54W	RGBW	60°	Y	4052899602748
AS WS M AC 90W RGB 30D DMX GS	AM219790055	90W	RGB	30°	Y	4052899603059
AS WS M AC 90W RGB 60D DMX GS	AM219800055	90W	RGB	60°	Y	4052899603066
AS WS M AC 90W RGBW40 30D DMX GS	AM219820055	90W	RGBW40	30°	Y	4052899603080
AS WS M AC 90W RGBW40 60D DMX GS	AM219850055	90W	RGBW40	60°	Y	4052899603110
AS WS L AC 150W RGB 10D DMX GS	AM221160055	150W	RGB	10°	Y	4052899603431
AS WS L AC 150W RGB 30D DMX GS	AM221170055	150W	RGB	30°	Y	4052899603448
AS WS L AC 150W RGB 60D DMX GS	AM221190055	150W	RGB	60°	Y	4052899603462
AS WS L AC 150W RGBW40 10D DMX GS	AM221210055	150W	RGBW40	10°	Y	4052899603486
AS WS L AC 150W RGBW40 30D DMX GS	AM221240055	150W	RGBW40	30°	Y	4052899603516
AS WS L AC 150W RGBW40 60D DMX GS	AM221300055	150W	RGBW40	60°	Y	4052899603578
AS WS XL AC 180W RGB 10D DMX GS	AM220920055	180W	RGB	10°	Y	4052899603752
AS WS XL AC 180W RGB 30D DMX GS	AM220930055	180W	RGB	30°	Y	4052899603769
AS WS XL AC 180W RGB 60D DMX GS	AM220940055	180W	RGB	60°	Y	4052899603776
AS WS XL AC 180W RGBW40 10D DMX GS	AM220960055	180W	RGBW40	10°	Y	4052899603790
AS WS XL AC 180W RGBW40 30D DMX GS	AM220990055	180W	RGBW40	30°	Y	4052899603820
AS WS XL AC 180W RGBW40 60D DMX GS	AM221020055	180W	RGBW40	60°	Y	4052899603851
AS WS M AC 54W RGB 30D DMX	AM330430055	54W	RGB	30°	N	4062172083317
AS WS M AC 54W RGB 60D DMX	AM330440055	54W	RGB	60°	N	4062172083324
AS WS M AC 54W RGBW40 30D DMX	AM330450055	54W	RGBW40	30°	N	4062172083331
AS WS M AC 54W RGBW40 60D DMX	AM330460055	54W	RGBW40	60°	N	4062172083348
AS WS M AC 90W RGB 30D DMX	AM330550055	90W	RGB	30°	N	4062172083386
AS WS M AC 90W RGB 60D DMX	AM330560055	90W	RGB	60°	N	4062172083393
AS WS M AC 90W RGBW40 30D DMX	AM330570055	90W	RGBW40	30°	N	4062172083522
AS WS M AC 90W RGBW40 60D DMX	AM330580055	90W	RGBW40	60°	N	4062172083515
AS WS L AC 150W RGB 10D DMX	AM330840055	150W	RGB	10°	N	4062172083942
AS WS L AC 150W RGB 30D DMX	AM330850055	150W	RGB	30°	N	4062172083805
AS WS L AC 150W RGB 60D DMX	AM330860055	150W	RGB	60°	N	4062172083959
AS WS L AC 150W RGBW40 10D DMX	AM330870055	150W	RGBW40	10°	N	4062172083966
AS WS L AC 150W RGBW40 30D DMX	AM330880055	150W	RGBW40	30°	N	4062172084024
AS WS L AC 150W RGBW40 60D DMX	AM330890055	150W	RGBW40	60°	N	4062172084031
AS WS XL AC 180W RGB 10D DMX	AM330990055	180W	RGB	10°	N	4062172084017
AS WS XL AC 180W RGB 30D DMX	AM331000055	180W	RGB	30°	N	4062172084055
AS WS XL AC 180W RGB 60D DMX	AM331010055	180W	RGB	60°	N	4062172084062
AS WS XL AC 180W RGBW40 10D DMX	AM331020055	180W	RGBW40	10°	N	4062172084079
AS WS XL AC 180W RGBW40 30D DMX	AM331030055	180W	RGBW40	30°	N	4062172083935
AS WS XL AC 180W RGBW40 60D DMX	AM331040055	180W	RGBW40	60°	N	4062172084086

Accessory

Short Text	Material	EAN40
AS WS 4-pin Interconnection Cable 1m	AM296030055	4062172057516
AS WS 4-pin Connector Socket End Cap	AM296050055	4062172057530
AS WS 4-pin DATA Starter Cable 2m	AM296070055	4062172057554

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