

ARMOR SERIES | RGBW AC MINI EXTERIOR LINEAR FIXTURES

RGBW AC Mini Linear fixtures feature an onboard driver. Available in RGBW with three distinct static white CCTs ranging from 3000K to 6500K, the RGBW AC Mini offers 4 optic beam angles and comes in 4 different lengths. You can daisy chain these fixtures for up to 68 feet at 120 VAC. Connect up to 32 fixtures per DMX controller. This addition to the Armor Series exterior product line is a fantastic solution for wall washing and grazing to create dramatic façade lighting. No remote drivers necessary!

GEL-FLUSH™ TECHNOLOGY

The RGBW AC Mini Linear fixture is manufactured with our Gel-Flush™ Technology. Developed with a special sealant from Dow Corning, this proprietary innovation prevents any breach from weather-related elements. No leaking. No condensation. Just clear, unobstructed beams of light.

Applications:

Commercial Museums
Entertainment Public Spaces



IP67



ORDERING GUIDE

Category	Input Voltage	Length	Color	FWHM Beam Angle
MINI	AC			
MINI - Armor RGBW Mini	AC - AC 90-264 V	16 - 16.1 in. (410 mm) 20 W	RGBW30 - RGBW+3000K	15 - 15°x15°
		24 - 23.8 in. (605 mm) 30 W	RGBW40 - RGBW+4000K	25 - 25°x25°
		36 - 35.4 in. (900 mm) 45 W	RGBW65 - RGBW+6500K	35 - 35°x35°
		47 - 46.9 in. (1190 mm) 60 W		50 - 50°x50°

OPTIONAL ACCESSORIES:

1.) Armor Series Mounting Arms:

Small: ARMORMNT0609
Large: ARMORMNT1422

3.) Asymmetric Louver:

MINIALOUVRGBW410 (410 mm)
MINIALOUVRGBW605 (605 mm)
MINIALOUVRGBW900 (900 mm)
MINIALOUVRGBW1190 (1190 mm)

5.) 6 Pin Male to Female Jumper Cable:

MINIJUMP6PINMK1000 (1000 mm)
MINIJUMP6PINMK2000 (2000 mm)

7.) End Cap:

MINIAC-CAPRGBW

2.) Symmetric Louver:

MINILOUVRGBW410 (410 mm)
MINILOUVRGBW605 (605 mm)
MINILOUVRGBW900 (900 mm)
MINILOUVRGBW1190 (1190 mm)

4.) Glare Shield:

MINISHLD410 (410 mm)
MINISHLD605 (605 mm)
MINISHLD900 (900 mm)
MINISHLD1190 (1190 mm)

6.) 6 Pin Cable with Female Connector to Bare Wire (Power):

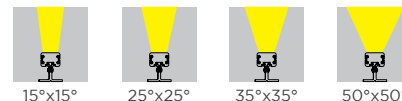
MINICBLFB6PIN2000 (2000 mm)
MINICBLFB6PIN6000 (6000 mm)

AVAILABLE COLORS



RGBW

AVAILABLE BEAM ANGLES



SPECIFICATIONS / DIMENSIONS / LUMEN DATA

Operating Voltage	AC 90-264 V			
Length	16.1 in. / 410 mm	23.8 in. / 605 mm	35.4 in. / 900 mm	46.9 in. / 1190 mm
Power Consumption	20 W	30 W	45 W	60 W
Amperage	0.17 A @ 120V 0.09 A @ 230V 0.08 A @ 277V	0.26 A @ 120V 0.14 A @ 230V 0.12 A @ 277V	0.39 A @ 120V 0.21 A @ 230V 0.16 A @ 277V	0.52 A @ 120V 0.27 A @ 230V 0.23 A @ 277V
LEDs per Fixture	10 LEDs	15 LEDs	24 LEDs	30 LEDs
Color / Temperature	RGBW+3000K, RGBW+4000K, RGBW+6500K			
LED Beam Angle	15°x15°, 25°x25°, 35°x35°, 50°x50°			
Max Daisy Chained Power	32 fixtures @ 120 VAC 32 fixtures @ 220-240 VAC	30 fixtures @ 120 VAC 32 fixtures @ 220-240 VAC	22 fixtures @ 120 VAC 30 fixtures @ 220-240 VAC	17 fixtures @ 120 VAC 24 fixtures @ 220-240 VAC
Control System	DMX			
LED Binning (SDCM)	3-Step MacAdam ellipse (White Channel Only)			
Ambient Temperature	-40° F to 122° F (-40° C to 50° C)			
Housing / Lens Materials	Housing: Extruded Aluminium / Lens: Clear UV Protected PMMA Cover: Tempered Glass End Caps: Extruded Aluminium / Brackets: Extruded Aluminium Housing, bracket, end cap material - 6063 high density aluminum alloy			
Connector	6 Pin Combined Power and DMX. 16 AWG Power / 22 AWG DMX			
Cable Length	11.81 in. / 300 mm			
Protection Rating	IP67			
Mounting Options	Large Tilttable Stand (180° adjustable), Mounting Arms (available in 2 different sizes)			
Impact Rating	IK08			
Lamp Life	50,000 hours			
Certifications	Luminaires - UL 1598, 3rd Ed., issued September 17, 2008, Rev. October 17, 2012 / Luminaires - CSA C22.2 No.250.0-08, 3rd Ed., issued September 17, 2008, Rev. October 17, 2012 (R2013)			
Fixture Color Finish	Anodized Silver			

LIGHT OUTPUT FOR 16.1 IN. / 410 MM																				
Beam Angles	15°					25°					35°					50°				
Color / Temp.	Red	Green	Blue	White	All	Red	Green	Blue	White	All	Red	Green	Blue	White	All	Red	Green	Blue	White	All
Lumen / Foot	33	43	12	40	42	32	42	12	39	41	32	41	10	339	34	28	41	9	37	33
Total Lumens	174.9	286.8	80	266.8	840	169.6	280.1	80	260.1	820	169.6	273.5	66.7	2261.1	680	148.4	273.5	60	246.8	660

LIGHT OUTPUT FOR 23.8 IN. / 605 MM																				
Beam Angles	15°					25°					35°					50°				
Color / Temp.	Red	Green	Blue	White	All	Red	Green	Blue	White	All	Red	Green	Blue	White	All	Red	Green	Blue	White	All
Lumen / Foot	33	43	12	40	42	32	42	12	39	41	32	41	10	339	34	28	41	9	37	33
Total Lumens	263	441	121	403	1324	251	432	119	398	1293	253	432	97	384	1074	214	416	92	378	1041

LIGHT OUTPUT FOR 35.4 IN. / 900 MM																				
Beam Angles	15°					25°					35°					50°				
Color / Temp.	Red	Green	Blue	White	All	Red	Green	Blue	White	All	Red	Green	Blue	White	All	Red	Green	Blue	White	All
Lumen / Foot	33	43	12	40	42	32	42	12	39	41	32	41	10	339	34	28	41	9	37	33
Total Lumens	422.4	688	192	640	2016	409.6	672	192	624	1968	409.6	656	160	624	1632	3583.4	656	144	592	1584

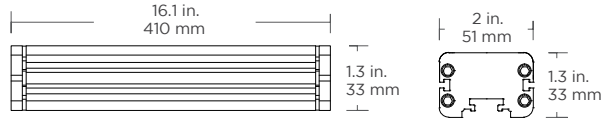
LIGHT OUTPUT FOR 46.9 IN. / 1190 MM																				
Beam Angles	15°					25°					35°					50°				
Color / Temp.	Red	Green	Blue	White	All	Red	Green	Blue	White	All	Red	Green	Blue	White	All	Red	Green	Blue	White	All
Lumen / Foot	33	43	12	40	42	32	42	12	39	41	32	41	10	339	34	28	41	9	37	33
Total Lumens	528	860	240	800	2520	512	840	240	780	2460	512	820	200	780	2040	448	820	180	740	1980

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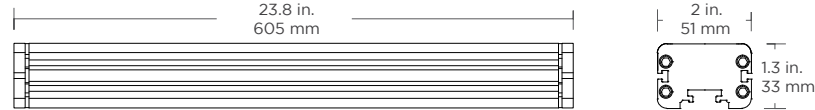
DIMENSIONS / ACCESSORIES

DIMENSIONS

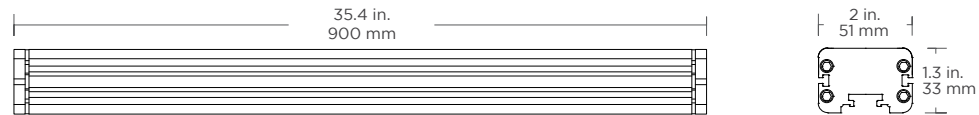
16.1 in. / 410 mm:



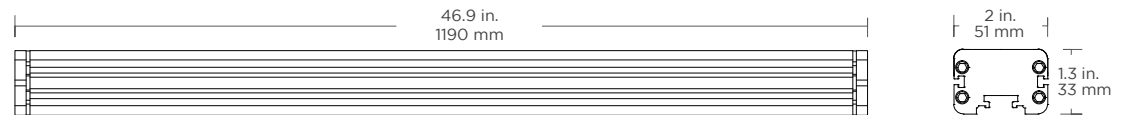
23.8 in. / 605 mm:



35.4 in. / 900 mm:



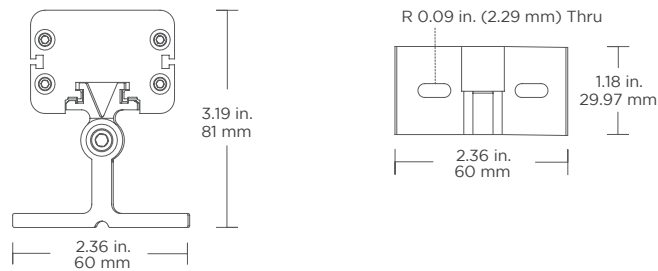
46.9 in. / 1190 mm:



MOUNTING HARDWARE

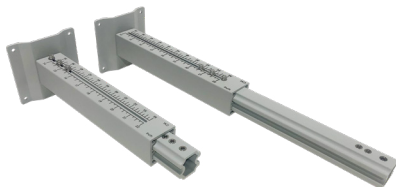
Large Tilttable Stand

For adjustable mounting angles from 0-180°

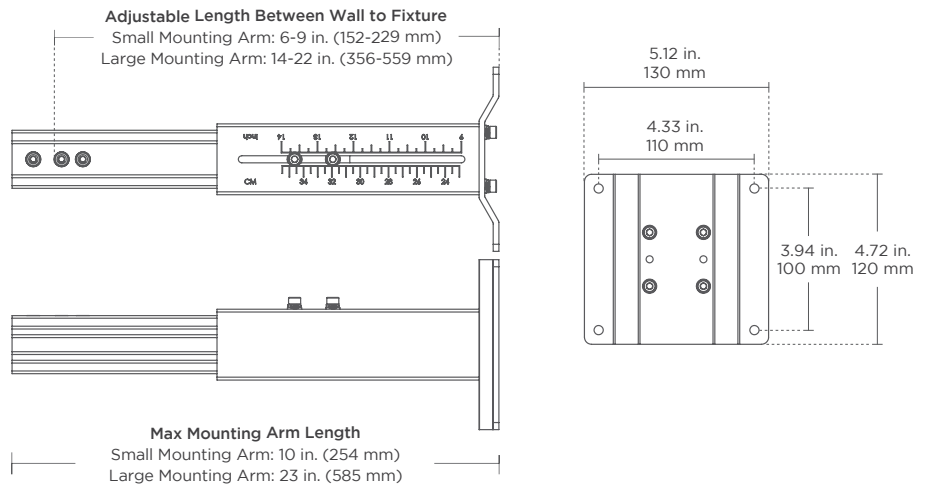


Mounting Arms

Small Mounting Arm Part Number: ARMORMNT0609
Large Mounting Arm Part Number: ARMORMNT1422



Adjustable mounts (in 3 sizes) help set desired angle and distance from lighting surface



ACCESSORIES

Symmetric Louver

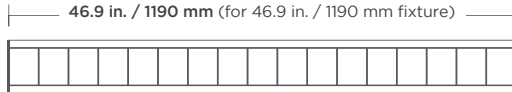
For glare reduction

Note: This will affect beam angle

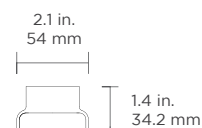


Part Number:
MINILOUVRGBW410 (410 mm)
MINILOUVRGBW605 (605 mm)
MINILOUVRGBW900 (900 mm)
MINILOUVRGBW1190 (1190 mm)

16.1 in. / 410 mm (for 16.1 in. / 410 mm fixture)
23.8 in. / 605 mm (for 23.8 in. / 605 mm fixture)
35.4 in. / 900 mm (for 35.4 in. / 900 mm fixture)
46.9 in. / 1190 mm (for 46.9 in. / 1190 mm fixture)



Not recommended for exterior applications

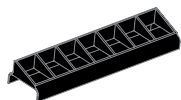


Side View

Asymmetric Louver

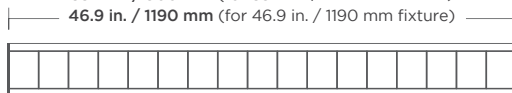
For glare reduction

Note: This will affect beam angle

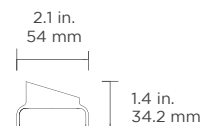


Part Number:
MINILOUVRGBW410 (410 mm)
MINILOUVRGBW605 (605 mm)
MINILOUVRGBW900 (900 mm)
MINILOUVRGBW1190 (1190 mm)

16.1 in. / 410 mm (for 16.1 in. / 410 mm fixture)
23.8 in. / 605 mm (for 23.8 in. / 605 mm fixture)
35.4 in. / 900 mm (for 35.4 in. / 900 mm fixture)
46.9 in. / 1190 mm (for 46.9 in. / 1190 mm fixture)



Not recommended for exterior applications



Side View

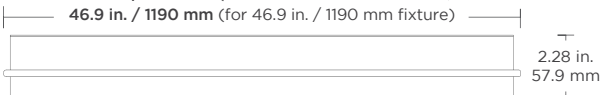
Glare Shield

To reduce glare or redirect light

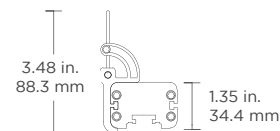


Part Number:
MINISHLD410 (410 mm)
MINISHLD605 (605 mm)
MINISHLD900 (900 mm)
MINISHLD1190 (1190 mm)

16.1 in. / 410 mm (for 16.1 in. / 410 mm fixture)
23.8 in. / 605 mm (for 23.8 in. / 605 mm fixture)
35.4 in. / 900 mm (for 35.4 in. / 900 mm fixture)
46.9 in. / 1190 mm (for 46.9 in. / 1190 mm fixture)



Adds 2.0 in. / 50.8 mm to the height of the fixture



Side View

6 Pin Cable with Female Connector to Bare Wire (Power)

To bare wire for incoming power

Lengths: 78.74 in. (2000 mm) and 19.7 ft (6000 mm)



Part Number:
MINICBLFB6PIN2000 (6.6 ft / 2000 mm)
MINICBLFB6PIN6000 (19.7 ft / 6000 mm)

6 Pin Male To Female Jumper Cable

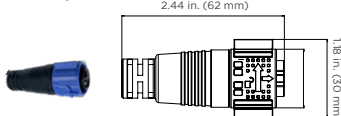
To connect 6 pin male connector to 6 pin female connector

Lengths: 39.4 in. (1000 mm) and 78.7 in. (2000 mm)

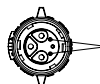


Part Number:
MINIJUMP6PINMK1000 (3.3 ft / 1000 mm)
MINIJUMP6PINMK2000 (6.6 ft / 2000 mm)

End Cap



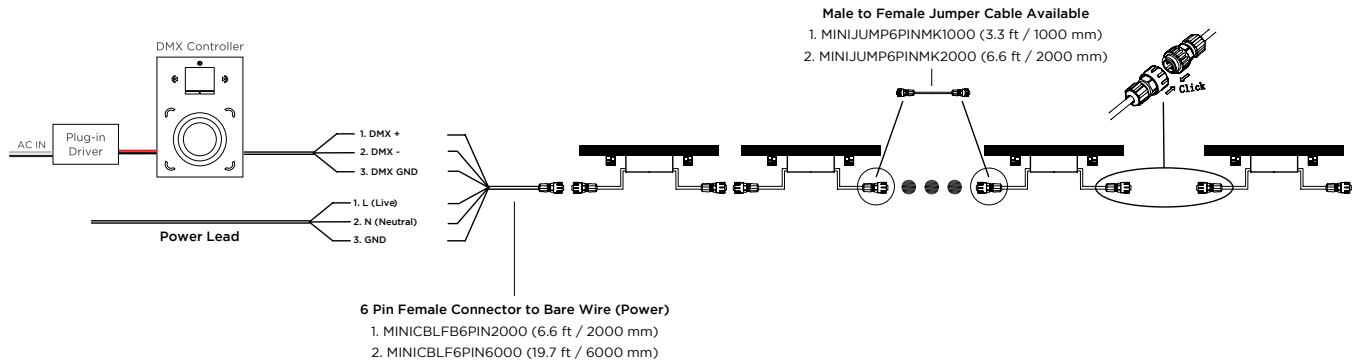
Part Number:
MINIAC-CAPRGBW



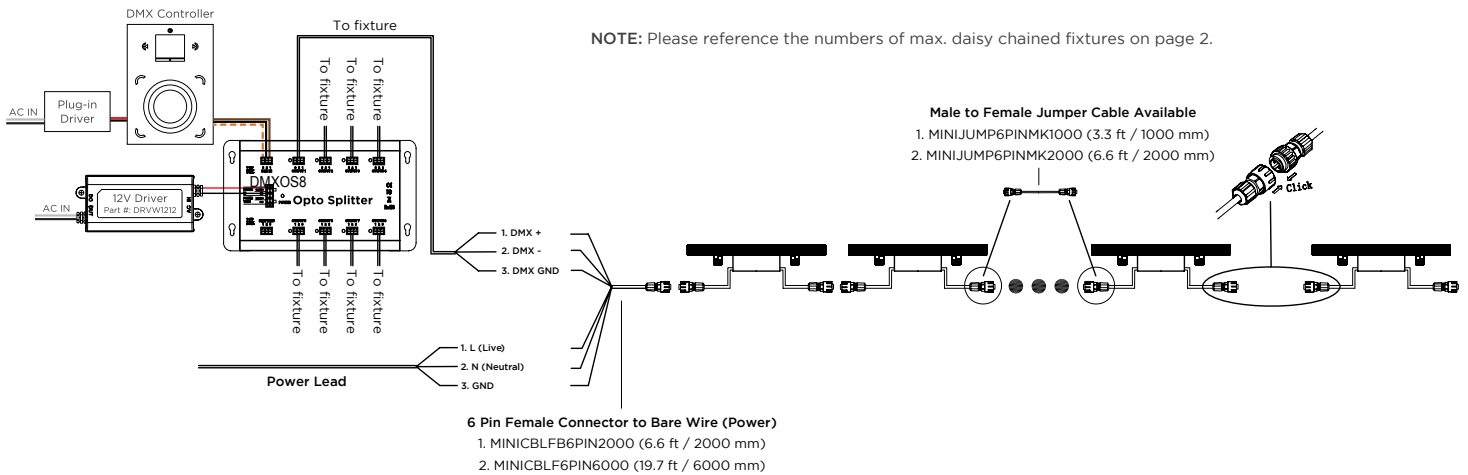
Build in 120Ω resistor

CONNECTION / CONNECTORS

BASIC DMX WIRING



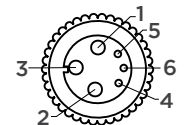
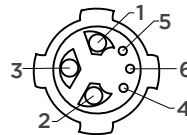
ADVANCED DMX WIRING



6-PIN CONNECTOR AND WIRE SPECS

Cable	Function	Pin ID	Wire Size	Wire Color (US)
Power Lead in / Power Extension	L (Line)	1	16AWG	Black
	N (Neutral)	2	16AWG	White
	GND (Ground)	3	16AWG	Green
DMX	DMX +	4	22AWG	Purple
	DMX -	5	22AWG	Gray
	DMX GND	6	22AWG	Yellow

PIN ID:



6-Pin Connector is used for the following cables:

1. Fixture in/out
2. MINIJUMP6PINMK1000
3. MINIJUMP6PINMK2000
4. MINICBLFB6PIN2000
5. MINICBLFB6PIN6000

Notes:

1. The top wiring diagram shows only typical connections. Actual wiring depends on the site configuration and installation.
2. The wire connection method shall be determined by local electrical codes and regulations. Wire nuts or screw terminal blocks are recommended for wire connection.
3. Actual number of wall washer can be connected may vary according to cable lengths and signal source.
4. Shield signal cables are recommended for signal protection.