



# Arch™ Series

Architectural Façade Wireless Lighting Systems

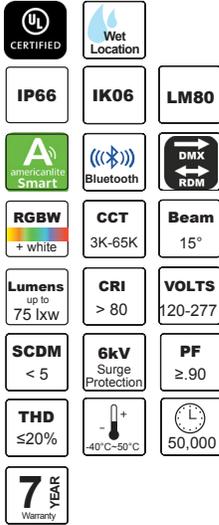
americanlite®

We light your world™



## ArchGlow™

12w/24w/48w  
RGBW  
BT Wireless / DMX



Every structure presents a unique design opportunity. While some façades are illuminated with conventional floodlighting and others remain unlit, architectural lighting allows the building itself to become a visual statement. Through controlled illumination and dynamic color, façade lighting enhances form, depth, and architectural character while drawing attention to the structure.

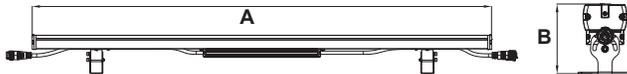
Americanlite® LED Wall Washers are designed to project light outward in a broad, uniform distribution across building façades, rather than concentrating light in narrow beams or surface grazing patterns. This wide and even wash highlights architectural elements consistently across large surfaces. Beam angles and lighting effects can be tailored to meet specific architectural designs, visual objectives, and site requirements.

Engineered for long term performance in demanding environments, Americanlite® Wall Washers feature a full IP66 rating for protection against dust and high pressure water exposure. Construction includes heavy duty extruded aluminum housings exceeding 2 millimeters in thickness, a durable powder coated finish ranging from 60 to 120 microns, and corrosion resistance tested to 240 hours of salt spray exposure. High output RGBW LED chips are paired with constant voltage, flicker free drivers incorporating integrated 6KV surge protection to ensure stable operation and extended service life.

Americanlite® introduces a patented **Wireless Bluetooth Control System** that eliminates the need for control cables, gateways, or external consoles. Fixtures connect directly through the **Americanlite® Smart App**, enabling intuitive control of groups, scenes, schedules, and dynamic lighting effects. For traditional and large-scale control systems, full DMX512 and RDM compatibility is also integrated for seamless system integration.

Architectural lighting transforms buildings into visual landmarks. LED façade lighting reveals structure, texture, and proportion with a bold and contemporary aesthetic. Whether illuminating modern architecture or preserving the character of historic landmarks, Americanlite Wall Washers provide the tools to let architecture communicate through light.

### Dimensions (mm)



Model	A	B
12w	304.8	100
24w	595.3	100
48w	1177.0	100

### Ordering information

#### Bluetooth Wireless Control

Item	Size	Power	CCT	Lumens	CCT	Housing Color	AC M20 Cable
AL586630	1'	12w	RGBW	324/72/660/900	<b>Blank</b> 5000K <b>4</b> 4000K	<b>Blank</b> Black	AL586640 3M (M203M)
AL586631	2'	24w	RGBW	648/144/1320/1800	<b>6</b> 6000K <b>35</b> 3500K	<b>BR</b> Brown	AL586641 5M (M205M)
AL586632	4'	48w	RGBW	1296/288/2640/3600	<b>57</b> 5700K <b>3</b> 3000K	<b>WH</b> White	

#### DMX512 / RDM Control

Item	Size	Power	CCT	Lumens	CCT	Housing Color	M12 Signal Cable
AL586633	1'	12w	RGBW	324/72/660/900	<b>Blank</b> 5000K <b>4</b> 4000K	<b>Blank</b> Black	AL586642 3M (M123M)
AL586634	2'	24w	RGBW	648/144/1320/1800	<b>6</b> 6000K <b>35</b> 3500K	<b>BR</b> Brown	AL586643 5M (M125M)
AL586635	4'	48w	RGBW	1296/288/2640/3600	<b>57</b> 5700K <b>3</b> 3000K	<b>WH</b> White	

### Notes

- Lumen & Power tolerance up to 10%
- Lumens for W  
65K = 75 lxw 4K = 72 lxw  
5K = 75 lxw 3K = 65 lxw  
57K = 75 lxw
- Lumens for RGB  
Red = 27 lxw  
Green = 6 lxw  
Blue = 55 lxw
- Wavelength  
R:620-630nm  
G:520-530nm  
B:455-460nm
- LED Chips = Bridgelux 3535
- LED Chip Qty:  
12w = 7 pcs  
24w = 14 pcs  
48w = 28 pcs

- Driver Brand=HBE  
No flicker Driver
- Surge Protection:  
L/N-PE:6KV L-N:6KV
- Bluetooth:  
12w # LH-012WW-S024L4  
24w # LH-024WW-S024L4  
48w # LH-012WW-S024L4
- DMX Dimming:  
12w # LH-012WW-S024X4  
24w # LH-024WW-S024X4  
48w # LH-048WW-S024X4
- Cable length Bluetooth and DMX:  
12w = 80mm on each side  
24w = 70mm on each side  
48w = 66mm on each side

- Bluetooth Cable Specs  
1 cable on each side:  
2 Power M20-3P self-locking terminal cable UL 21996, 8.0±0.5mm, SJOW rubber wire, black outer sheath, (black/white/green), 3×16AWG, 300V, 105°C, with self-locking IP66 connectors, one end with M20 3P female connector and the other side with male connector
- DMX Cable Specs  
2 cables on each side:  
2 Signal M12-3P self-locking terminal cable UL 21996, 5±0.3mm, black outer sheath, (purple/pink/yellow), 3×22AWG, 300V, 105°C, with self-locking connectors, one end with M12 3P female connector and the other side with male connector
- 2 Power M20-3P self-locking terminal cable: UL 21996, 8.0±0.5mm, SJOW rubber wire, black outer sheath, (black/white/green), 3×16AWG, 300V, 105°C, with selflocking connectors, one end with M20 3P female connector and the other side with male connector

- Fixture = IK08, Glass= IK06
- Body: Aluminum Alloy >2mm
- Lens: PC 18mm / Glass 4mm
- Paint Thickness: 60-120µm
- Salt Chamber test: 240 Hours
- Multiple Fixtures for 1 Power cord  
12w: 120V can connect up to 70 units  
277V can connect up to 140 units  
24w: 120V can connect up to 27 units  
277V can connect up to 56 units  
48w: 120V can connect up to 18 units  
277V can connect up to 36 units

### Packing information

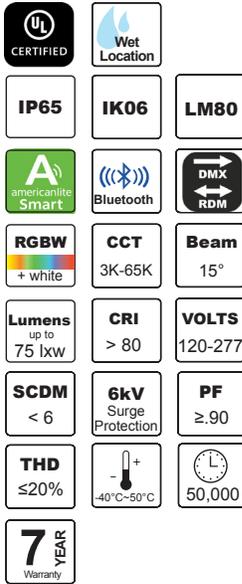
Model	Pieces per master	Box Dimensions (cm)	CBM (Master)	Gross Weight (KG)
1'	8	50.5 x 47.8 x 28.1	0.0678	11.5
2'	8	79.6 x 47.8 x 28.1	0.1069	17.3
4'	8	125.5 x 36.5 x 28.1	0.1287	21.3

## ArchBeam™ Series

36w/50w/72w/100w

RGBW

BT Wireless / DMX



Every structure presents a unique design opportunity. While some façades are illuminated with conventional floodlighting and others remain unlit, architectural lighting allows the building itself to become a visual statement. Through controlled illumination and dynamic color, façade lighting enhances form, depth, and architectural character while drawing attention to the structure.

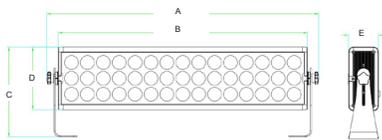
Americanlite® ArchBeam™ Series LED flood luminaires are engineered to deliver powerful, controlled illumination across architectural surfaces and large exterior areas. ArchBeam™ fixtures provide focused yet wide-area light distribution to accentuate architectural features, volumes, and focal points. Multiple beam angles and lighting effects can be configured to meet specific project requirements, façade geometries, and visual performance goals.

Engineered for long-term performance in demanding environments, Americanlite® ArchBeam™ luminaires feature a full IP66 rating for protection against dust ingress and high-pressure water exposure. Construction includes heavy-duty extruded aluminum housings exceeding 2 millimeters in thickness, a durable powder-coated finish ranging from 60 to 120 microns, and corrosion resistance tested to 240 hours of salt spray exposure. High-output RGBW LED chips are paired with constant-voltage, flicker-free drivers incorporating integrated 6 kilovolt surge protection to ensure stable operation and extended service life.

Americanlite® introduces a patented **Wireless Bluetooth Control System** that eliminates the need for control cables, gateways, or external consoles. Fixtures connect directly through the **Americanlite® Smart App**, enabling intuitive control of groups, scenes, schedules, and dynamic lighting effects. For traditional and large-scale control systems, full DMX512 and RDM compatibility is also integrated for seamless system integration.

Architectural flood lighting transforms buildings and outdoor spaces into visual landmarks. By delivering precise, high-impact illumination, LED flood lighting enhances form, scale, and architectural presence with a bold, contemporary aesthetic. Whether illuminating modern façades, landscape features, or historic landmarks, Americanlite® ArchBeam™ Series luminaires provide the control and performance needed to let architecture command attention through light.

### Dimensions (mm)



Model	A	B	C	D	E
36w	308.4	254	215	150	70
50w	422.4	368	215	150	70
72w	536.3	482	215	150	70
100w	649.4	595	215	150	70

### Ordering information

#### Bluetooth Wireless Control

Item	Power	CCT	Lumens	CCT	Housing Color	AC M20 Cable
AL576600	36w	RGBW	1008/1620/432/2700	<b>Blank</b> 5000K	<b>4</b> 4000K	<b>Blank</b> Gray AL586640 3M (M203M)
AL576601	50w	RGBW	1400/2250/600/3750	<b>6</b> 6000K	<b>35</b> 3500K	<b>BK</b> Black AL586641 5M (M205M)
AL576602	72w	RGBW	2016/3240/864/5400	<b>57</b> 5700K	<b>3</b> 3000K	<b>BR</b> Brown
AL576603	100w	RGBW	2800/4500/1200/7500			<b>WH</b> White

#### DMX512 / RDM Control

Item	Power	CCT	Lumens	CCT	Housing Color	M12 Signal Cable
AL576604	36w	RGBW	1008/1620/432/2700	<b>Blank</b> 5000K	<b>4</b> 4000K	<b>Blank</b> Gray AL586642 3M (M123M)
AL576605	50w	RGBW	1400/2250/600/3750	<b>6</b> 6000K	<b>35</b> 3500K	<b>BK</b> Black AL586643 5M (M125M)
AL576606	72w	RGBW	2016/3240/864/5400	<b>57</b> 5700K	<b>3</b> 3000K	<b>BR</b> Brown
AL576607	100w	RGBW	2800/4500/1200/7500			<b>WH</b> White

### Notes

- LED Chips = Bridgelux 3535
- Wavelength  
R: 620-650nm  
G: 520-525nm  
B: 457.5-462.5nm
- Bluetooth Cable Spec:  
SJTW/3\*18#/300V, UL certified,  
L=500mm, cable length: 300mm
- Driver Brand=HBE  
No flicker Driver  
Bluetooth:  
36w # LH-040FWP-S024L4-W  
50w # LH-050FL-S032L4  
72w # LH-080FWP-S024L4-W  
100w # LH-100FL-S032L4  
DMX Dimming:  
36w # LH-040FWP-S024L4-W  
50w # LH-050FL-S032L4  
72w # LH-080FWP-S024L4-W  
100w # LH-100FL-S032X4
- Lumens for W  
65K = 75 lxw  
5K = 75 lxw  
57K = 75 lxw  
4K = 72 lxw  
3K = 65 lxw
- Lumens for RGB  
Red = 28 lxw  
Green = 45 lxw  
Blue = 12 lxw
- LED Chip Qty:  
36w = 18 pcs  
50w = 27 pcs  
72w = 36 pcs  
100w = 45 pcs
- Dimming cable:  
UL certified, Purple, Pink, Black+White,  
21996/22#/300V, L=300mm, cable  
length: 150-200mm
- Surge Protection: L/N-PE:6KV L-N:6KV
- Body: Aluminum Alloy >1.2MM
- Lens: PC >2mm / Glass 1-6mm
- Paint Thickness: 60-120µm
- Salt Chamber test: 168 Hours

### Packing information

Model	Pieces per master	Box Dimensions (cm)	CBM (Master)	Gross Weight (KG)
36w	4	42 x 33.2 x 19.2	0.0677	10.4
50w	4	44.5 x 42 x 19.2	0.3588	12.7
72w	4	56 x 42 x 19.2	0.0451	15.8
100w	4	67.2 x 42 x 19.2	0.0541	18.3



## Warranty

Americanlite® is pleased to provide a 7 year limited warranty covering the LED lighting fixtures in this catalogue. Americanlite® warrants that the LED lighting fixtures comply with Americanlite®'s published specifications and are free from defects in materials and workmanship.

All our equipment is CE, ETL or UL approved and manufactured with approved components. Americanlite® reserves the right to change or improve the design or components of any of its products due to parts availability or changes in standards, without assuming any obligation to modify any product previously manufactured and without notice. All equipment is tested and inspected before shipment.

This warranty is void if the product is operated outside of its normal operating conditions. The foregoing warranty does not apply to failures caused by acts of God or as a result of any abuse, misuse, abnormal use, or use in violation of any applicable standard, code or instructions for use in installations, including, but not limited to, those contained in the Standards for the International Electrotechnical Commission. Americanlite® reserves and has the right to examine failed fixtures to determine the cause of failure, excessive lumen depreciation and patterns of usage.