



Arch™ Series

LED Wireless Wall Washer
Architectural Façade Lighting Systems

americanlite.®

We light your world™





ArchGlow™

12w/24w/48w

RGBW

BT Wireless / DMX

		
IP66	IK06	LM80
		
RGBW + white	CCT 3K-65K	Beam 15°
Lumens up to 75 lkw	CRI > 80	VOLTS 120-277
SCDM < 5	6kV Surge Protection	PF ≥.90
THD ≤20%		
7 YEAR Warranty		

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.

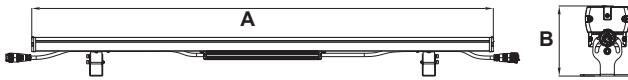
Americanlite® LED Wall Washers are designed to project light outward in a broad, uniform distribution across building façades, rather than concentrating light in narrow beams or surface grazing patterns. This wide and even wash highlights architectural elements consistently across large surfaces. Beam 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		
AL586630	1'	12w	RGBW	324/72/660/900	Blank	5000K	4	4000K
AL586631	2'	24w	RGBW	648/144/1320/1800	6	6000K	35	3500K
AL586632	4'	48w	RGBW	1296/288/2640/3600	57	5700K	3	3000K

DMX512 / RDM Control

Item	Size	Power	CCT	Lumens	CCT	Housing Color		
AL586633	1'	12w	RGBW	324/72/660/900	Blank	5000K	4	4000K
AL586634	2'	24w	RGBW	648/144/1320/1800	6	6000K	35	3500K
AL586635	4'	48w	RGBW	1296/288/2640/3600	57	5700K	3	3000K

Notes

- Lumen & Power tolerance up to 10%
- Lumens for W
65K = 75 lkw 4K = 72 lkw
5K = 75 lkw 3K = 65 lkw
57K = 75 lkw
- Lumens for RGB
Red = 27 lkw
Green = 6 lkw
Blue = 55 lkw
- 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-048WW-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), 3x16AWG, 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±0.3mm, black outer sheath, (purple/pink/yellow),
3x22AWG, 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), 3x16AWG, 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

IP65	IK06
LM80	
	Bluetooth
RGBW + white	DMX RDM
CCT 3K-65K	Beam 15°
Lumens up to 75 lkw	CRI > 80
VOLTS 120-277	
SCDM < 6	6kV Surge Protection
THD ≤20%	PF ≥.90
	40°C-50°C
50,000	
7 YEAR Warranty	

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.

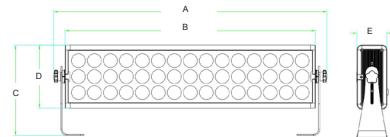
Americanlite® ArchBeam™ Series LED flood luminaires are engineered to deliver powerful, controlled illumination across architectural surfaces and large exterior areas. ArchBeam™ fixtures provide focused yet wide-area light distribution to accentuate architectural features, volumes, and focal points. 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
AL576600	36w	RGBW	1008/1620/432/2700	Blank	5000K	4	4000K
AL576601	50w	RGBW	1400/2250/600/3750	6	6000K	35	3500K
AL576602	72w	RGBW	2016/3240/864/5400	57	5700K	3	3000K
AL576603	100w	RGBW	2800/4500/1200/7500				WH

DMX512 / RDM Control

Item	Power	CCT	Lumens	CCT			Housing Color
AL576604	36w	RGBW	1008/1620/432/2700	Blank	5000K	4	4000K
AL576605	50w	RGBW	1400/2250/600/3750	6	6000K	35	3500K
AL576606	72w	RGBW	2016/3240/864/5400	57	5700K	3	3000K
AL576607	100w	RGBW	2800/4500/1200/7500				WH

Notes

- LED Chips =Bridgelux 3535
- Lumen & Power tolerance up to 10%
- Lumens for W Red = 28 lkw
5K = 75 lkw Green = 45 lkw
57K = 75 lkw Blue = 12 lkw
4K = 72 lkw
3K = 65 lkw
- Lumens for RGB R:620-650nm G:520-525nm B:457.5-462.5nm
- LED Chip Qty: 36w = 18 pcs
50w = 27 pcs
72w = 36 pcs
100w = 45 pcs
- 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
- LED Cable Spec: SJTW/3*18#/300V, UL certified, L=500mm, exposed cable length: 300mm
- Dimming cable: UL certified, Purple, Pink, Black+White, 21996/22#/300V, L=300mm, cable length:150-200mm
- 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
- 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.