Product specification

RGBW exterior linear wall washer with DMX / RDM control



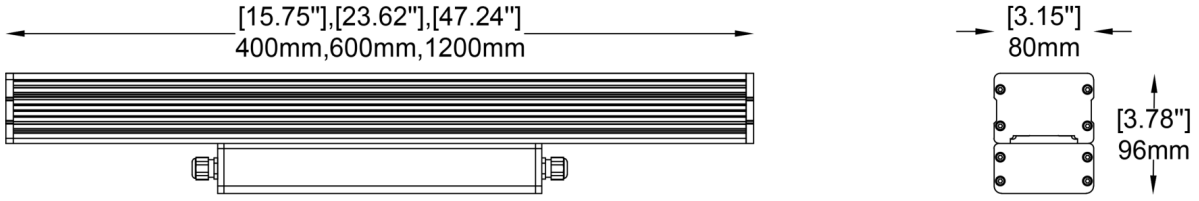
Configuration and finish are selected per project.

Electrical and optical

Parameter	Specification
Light source	RGBW combined quad-chip LED; white channel 3000K or 4000K
Input voltage	110-277 VAC, 50/60 Hz
Beam options	8°, 25°, 33°, 10° × 35°
Control	DMX / RDM; fixture-level RDM boost available
Protection	IP66

Fixture length	15.75 in (400 mm)	23.62 in (600 mm)	47.24 in (1200 mm)
Rated power	33 W	50 W	100 W

Fixture dimensions



Dimension key: width 3.15 in (80 mm); body height 3.78 in (96 mm). Length options are listed above. Overall installed height depends on the mounting bracket. Drawings are not to scale.

Performance & construction

Output and thermal performance

Parameter	Specification
Lumen maintenance	L70 >50,000 hours at 25°C
Thermal control	Intelligent thermal management
Operating temperature	-20°C to +50°C
Storage temperature	-30°C to +60°C

Fixture-level RDM boost

Boost redistributes available output to the active color channels. It is available only with fixture-level RDM control. Total fixture output matches standard operation.

Active color channels	Per-channel boost	Total fixture output
1	2×	Matches standard
2	2×	Matches standard
3	1.33×	Matches standard
4	Standard	Matches standard

Materials and finish

Component	Specification
Housing	6063 high-density extruded aluminum alloy
Lens / cover	Optical-grade PMMA / silk-screen tempered glass
Powder-coat finishes	White RAL 9001; Grey RAL 9006; Black RAL 9011; Dark Grey RAL 9023

Daisy-chain guidelines - 47.24 in (1200 mm) / 100 W

Region	Maximum total power	Maximum fixtures	Combined cable length
US	1080 W	10	1181.10 in (30000 mm)
EU	1980 W	19	1181.10 in (30000 mm)

Cable length includes leading and interlink cables. Limits depend on conductor gauge and installation conditions. Follow applicable electrical codes. Fixture counts apply to 47.24 in (1200 mm) units.

CCT, beam angle, lumen output and power are typical values and may vary by up to 10%.

Control & pixel modes

The following channel counts and groupings apply to the 47.24 in (1200 mm) fixture with 20 diodes.

Control modes

Mode	Groups	Diodes per group	DMX channels
Standard fixture control	1	20	4
Fixture-level RDM boost	1	20	4
Pixel Per Foot	4	5	20
Pixel Per Diode	20	1	80

Regrouping with RDM

A compatible RDM controller can change supported pixel groupings on site. Select the grouping appropriate for the lighting effect and the controller configuration.

Groups per fixture	Diodes per group	DMX channels
1	20	4
2	10	8
4	5	20
20	1	80

Commissioning requirements

Confirm the selected DMX personality and its complete channel map before programming. Use the stated channel count when allocating DMX addresses. The 4-group configuration uses a 20-channel personality.

Fixture-level boost is an RDM configuration. It is not specified for Pixel Per Foot or Pixel Per Diode operation.

For 15.75 in (400 mm) and 23.62 in (600 mm) fixtures, confirm the selected control configuration and channel map as part of project selection.

Wiring & placement

Power conductors

Function	US color / gauge	EU color / cross section
Line (L)	Black / 16 AWG	Brown / 1.3 mm²
Neutral (N)	White / 16 AWG	Blue / 1.3 mm²
Protective earth	Green / 16 AWG	Yellow-green / 1.3 mm²

Shielded data lead-in

Function	US color / gauge	EU color / cross section
DMX+	Purple / 20 AWG	Purple / 0.5 mm²
DMX-	Pink / 20 AWG	Grey / 0.5 mm²
DMX ground	Yellow / 20 AWG	Yellow / 0.5 mm²

Combined power / data cable

Power conductors retain the colors and sizes above. Data conductors retain the regional DMX colors above, with 22 AWG conductors for US cable and 0.3 mm² conductors for EU cable.

Wall setback guidelines

Setback	Typical application
0.79-1.97 in (20-50 mm)	Narrow beams; smooth or glazed surfaces; focused effect
1.97-3.94 in (50-100 mm)	General wall washing and textured surfaces
3.94-7.87 in (100-200 mm)	Wider coverage and larger areas

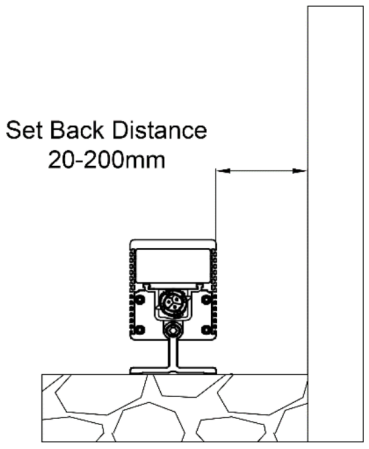


Diagram range: 0.79-7.87 in (20-200 mm). Adjust setback and aiming for the wall surface, installation height and desired effect. Confirm performance before final positioning.

Louvers & standard mounting

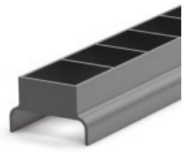
Dimension keys use inches (millimeters). Drawings illustrate configuration and are not to scale.

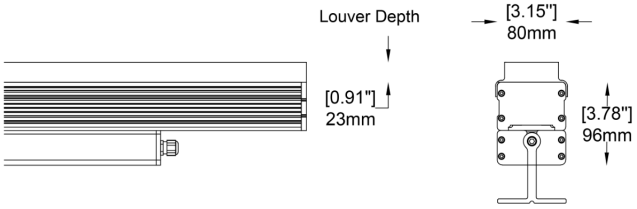
Louver options

Symmetric and asymmetric louvers are ordered separately in 15.75 in (400 mm), 23.62 in (600 mm) or 47.24 in (1200 mm) lengths. Unless specified otherwise, the louver matches the fixture length and is supplied in black.

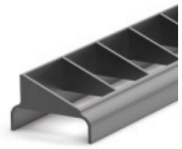
Both louver diagrams: depth 0.91 in (23 mm); fixture width 3.15 in (80 mm); body height 3.78 in (96 mm).

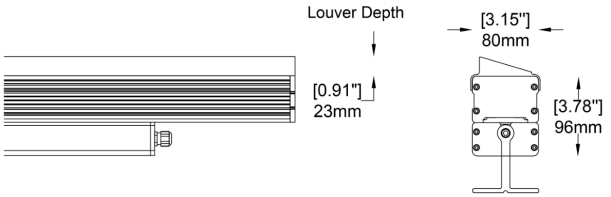
SYMMETRIC LOUVER





ASYMMETRIC LOUVER

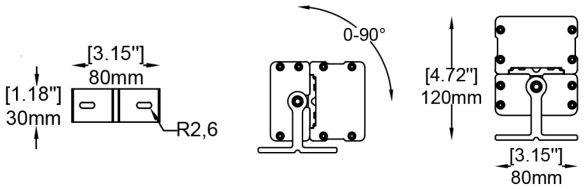




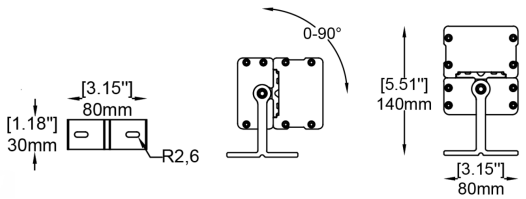
Standard adjustable mounting

Overall height: 4.72 in (120 mm) or 5.51 in (140 mm). Both provide 0-90° aiming. Both diagrams: footprint 3.15 in (80 mm) × 1.18 in (30 mm); fixture width 3.15 in (80 mm); slot radius 0.10 in (2.6 mm).

4.72 in (120 mm) OVERALL HEIGHT



5.51 in (140 mm) OVERALL HEIGHT

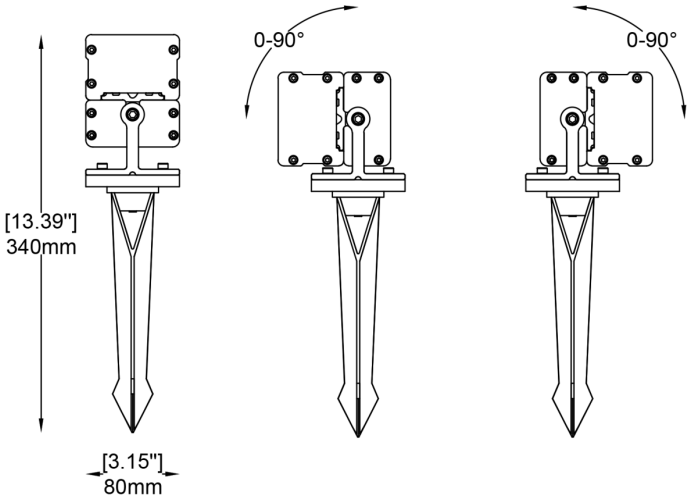


Alternate mounting

Dimension keys use inches (millimeters). Drawings illustrate configuration and are not to scale.

Landscape spike

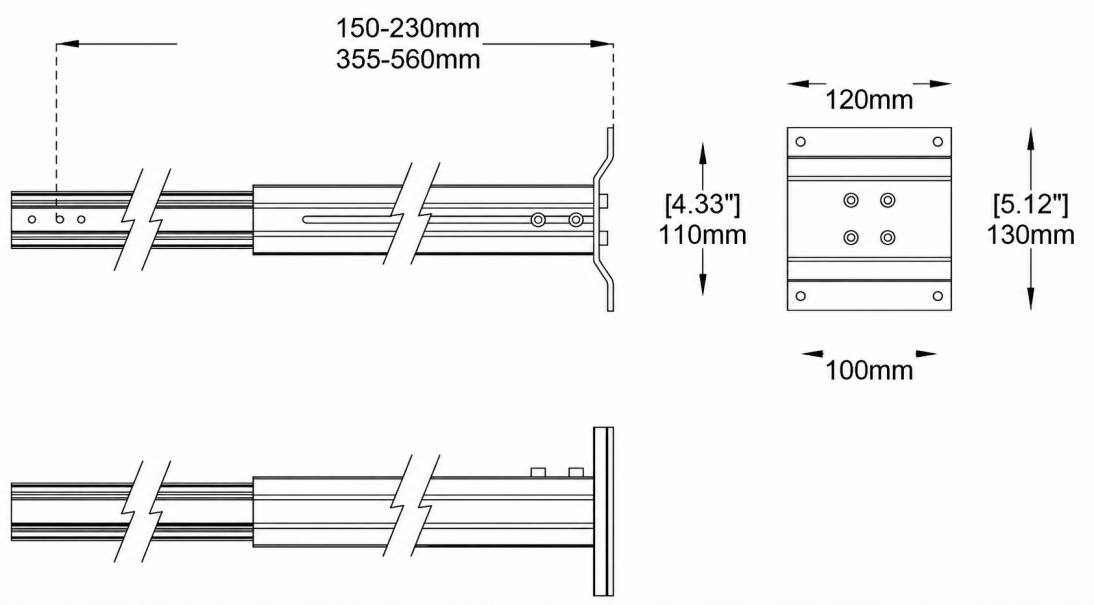
Dimension key: overall assembly height 13.39 in (340 mm); fixture width 3.15 in (80 mm). Adjustable aiming: 0-90°.



Adjustable extended arms

Adjustment ranges: 5.91-9.06 in (150-230 mm) and 13.98-22.05 in (355-560 mm).

Dimension key: plate width 4.72 in (120 mm); plate height 5.12 in (130 mm); hole-width dimension 3.94 in (100 mm); arm-height dimension 4.33 in (110 mm).



Cabling & connectivity

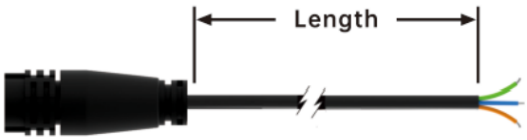
Select the appropriate regional cable set and cable lengths for the installation.

Combined power / data leading set



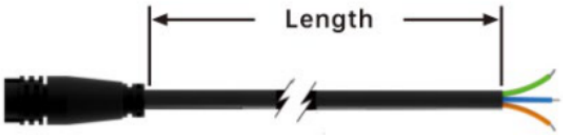
T-joint for the combined power and signal connection.

3-pin power lead-in



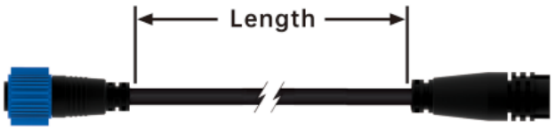
Lengths: 11.81 in (300 mm); 78.74 in (2000 mm); 236.22 in (6000 mm); 590.55 in (15000 mm).

3-pin shielded data lead-in



Lengths: 11.81 in (300 mm); 78.74 in (2000 mm); 236.22 in (6000 mm); 590.55 in (15000 mm).

6-pin power / data extension



Lengths: 11.81 in (300 mm); 78.74 in (2000 mm); 236.22 in (6000 mm).

Power injector



Power-injection T-joint.

DMX terminator



Terminator accessory for the DMX connection.

Plan cable lengths within the combined 1181.10 in (30000 mm) daisy-chain guideline. Maximum fixture count and power limits are listed on page 2.

Configuration selection

Specify each selection below when preparing a project schedule or requesting a configuration.

Fixture selection guide

Selection	Available options
Length / rated power	15.75 in (400 mm) / 33 W; 23.62 in (600 mm) / 50 W; 47.24 in (1200 mm) / 100 W
White channel CCT	3000K or 4000K
Optics	8°, 25°, 33°, or 10° × 35°
Control	DMX / RDM; fixture-level RDM boost; Pixel Per Foot; Pixel Per Diode
Standard mounting height	4.72 in (120 mm) or 5.51 in (140 mm) overall height
Finish	White RAL 9001; Grey RAL 9006; Black RAL 9011; Dark Grey RAL 9023
Region	US or EU cable configuration

Accessories to specify separately

Accessory	Selection details
Louver	Symmetric or asymmetric; fixture-matched length; finish
Landscape spike	Spike mounting assembly
Extended arms	5.91-9.06 in (150-230 mm) or 13.98-22.05 in (355-560 mm)
Cabling	Leading set, power/data lead-ins, interlinks and selected lengths
Connection accessories	Power injector and DMX terminator as required

Installation and commissioning

Confirm mounting, optics and setback for the intended surface. Coordinate the regional wiring colors and conductor sizes with the selected cables. Observe the electrical, cable-length and daisy-chain limits in this sheet.

Confirm the selected DMX personality, address allocation and RDM grouping before commissioning. Fixture-level boost is available only in the RDM fixture-level configuration.

All drawings are for dimensional reference. Do not scale drawings for fabrication or placement.