

JUNIPER®

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JUNIPER®

MULTIVERSE
S Y S T E M
A NEW GENERATION OF INDOOR POWER DISTRIBUTION

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Juniper's MULTIVERSE System* is a revolutionary, low-voltage power distribution system that redefines the aesthetic and technical capabilities of track lighting. Track segments and connectors are combined to create striking visual motifs spanning as far as 150 linear feet on a single driver, while effortlessly navigating varying topography, corners, and changing planes.

MULTIVERSE's ultra-low, ribbon-like profile conceals its 24V high-efficiency dual circuitry, which is easily installed on nearly any flat surface and can be painted on site to match – or to specification in advance – which allows MULTIVERSE to discreetly recede into its surroundings or create a bold graphic statement. An intuitive magnetic system connects up to 15 miniature spot modules, which can be rotated, repositioned anywhere along the system's length, or flipped 180° for independent dimming capabilities on the second circuit.

As part of the greater Juniper collection, the patented MULTIVERSE System can mount most Juniper products via magnetic adaptors, eliminating the need to run internal wiring and turning a fixed lighting plan into a flexible, user-tailored system. Like all Juniper products, MULTIVERSE is manufactured at the company's Connecticut factory, where each system can be customized to meet any design specification.

* – MULTIVERSE System U.S. Patent No. 11,137,132

Patent Notice – this product is protected by patent(s) and/or pending patent application(s) and their corresponding national rights. Information regarding the patent(s) and/or pending patent application(s) can be found at www.juniper-design.com/patents/.



MULTIVERSE SYSTEM AT A GLANCE

FEATURES AND BENEFITS



ULTRA-LOW PROFILE TRACK

Magnetic connection
Surface mounts to almost any material

DIMMING

2 circuits
0-10V or phase
Casambi wireless available

SPOTLIGHTS

500 or 800 LM output
Field-replaceable beam angles
21°, 37°, 50° standard
Precision-machined aluminum
Full 360° rotation and 0-90° tilt
1.5" / 38 mm dia. × 4.25" / 108 mm height

POWER SUPPLIES

24V DC
Remote and surface mounted options available

SUPERIOR LIGHT QUALITY

90+ CRI
85 LM/Watt delivered average
Flicker-free dimming to 0.1%

CONNECTORS

Inline, 90, 3-Way, 4-Way and Out-of-Plane
All standard

COLOR TEMPERATURES

2700K, 3000K, 3500K, 4000K

VOLTAGE DROP CORRECTION

150' of ribbon can be powered via a single 96W power supply
Add power supplies for longer runs with seamless continuity and no reduction in brightness

SIMPLE INSTALLATION

Easy install clip system, field-cuttable
Junction box covers
Surface-mounted power supplies

LUMINAIRE FINISHES

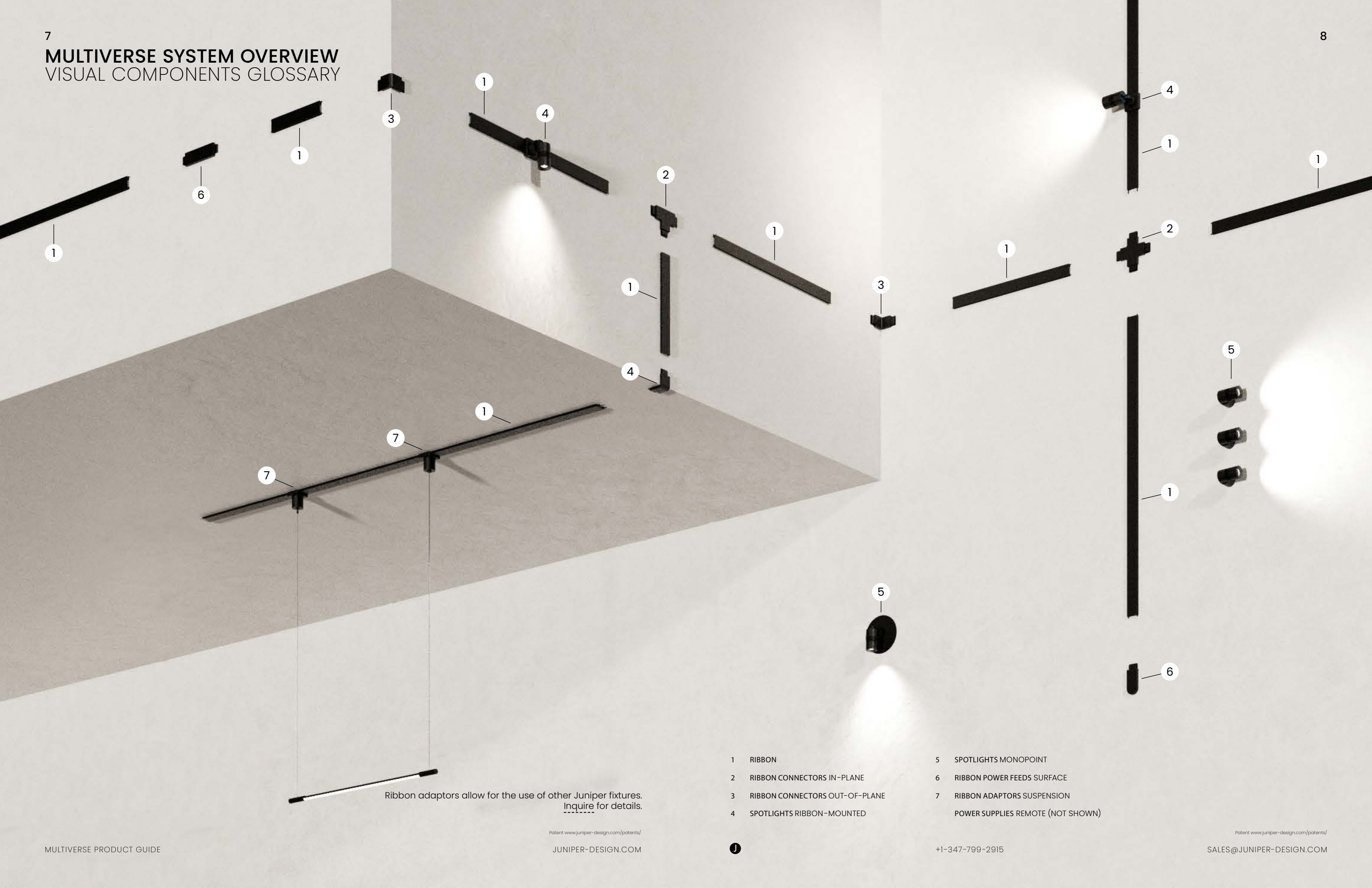
High-performance coatings
Matte White, Matte Black, Satin Aluminum, Satin Brass, Custom colors

RIBBON AND CONNECTOR FINISHES

High performance coatings
Primer is field paintable
Matte White, Matte Black, Satin Aluminum, Satin Brass, Custom colors

MULTIVERSE SYSTEM OVERVIEW

VISUAL COMPONENTS GLOSSARY



Ribbon adaptors allow for the use of other Juniper fixtures.
Inquire for details.

- 1 RIBBON
- 2 RIBBON CONNECTORS IN-PLANE
- 3 RIBBON CONNECTORS OUT-OF-PLANE
- 4 SPOTLIGHTS RIBBON-MOUNTED
- 5 SPOTLIGHTS MONOPOINT
- 6 RIBBON POWER FEEDS SURFACE
- 7 RIBBON ADAPTORS SUSPENSION
POWER SUPPLIES REMOTE (NOT SHOWN)



MULTIVERSE SYSTEM OVERVIEW

SPOTLIGHTS



EASY MAGNETIC POSITIONING

No tools required to move the spotlight — and simply flip it 180° to select between the two standard circuits.

SUPPORT FOR MANY LUMINAIRES

Up to 15 spotlights can be powered by a single 96W circuit, and more can be added with seamless in-line power feeds.

TINY MODULES WITH HIGH OUTPUT

500 and 800 LM Output, featuring field replaceable beam angles, full 360° rotation, and 0–90° tilt.

WIDE RANGE OF FINISHES AND CUSTOM COLORS

Between the exceptional standard finishes and custom color capability, the MULTIVERSE luminaires are design-ready.

INDUSTRY-LEADING LIGHT QUALITY AND DIMMING

90+ CRI, 85 LM/Watt delivered average, and flicker free dimming to 0.1%.

MULTIVERSE SYSTEM OVERVIEW

RIBBON AND CONNECTORS

MINIMAL

At just 1.6" wide by 0.4" thin, the MULTIVERSE ribbon works in almost any setting.

DESIGNED FOR DESIGNERS

2 circuits standard, surface mount with easy-to-position installation clips.

CAN GO ANYWHERE

A series of pivot elements make for easy installation on nearly any flat surface and allow the system's segments to effortlessly change planes and navigate corners.

FIELD PAINTABLE

Blend the track seamlessly into a design by painting it to match existing surfaces.

STANDALONE AESTHETICS

Beautiful on its own, the ribbon is designed to add architectural detail to a space.



EXPANDABLE

The 24V DC system allows the use of select THIN System and Flutes pendants to coordinate across Juniper's collections.

POWERFUL

Use one circuit for spots and the other with linear suspension luminaires for complex layers of light.

DESIGNED FOR CREATING

The luminaire adaptors combined with Juniper's exceptional finishes make this an infinitely expressive system.

MULTIVERSE SYSTEM OVERVIEW

POWER

MULTIPLE POWER FEED OPTIONS

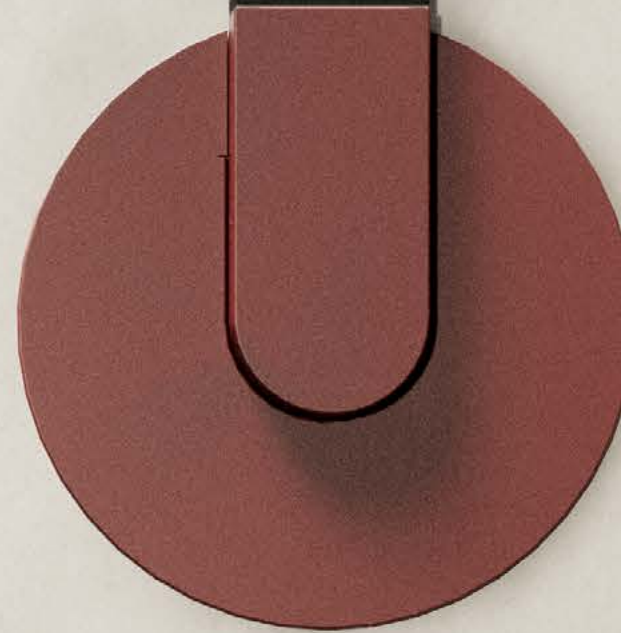
Connect the system with junction boxes or without, inline, or end feed.

DIMMABLE

Standard options include 120 – 277V AC input, forward-phase, reverse-phase, and 0 – 10V dimming.

EFFICIENT

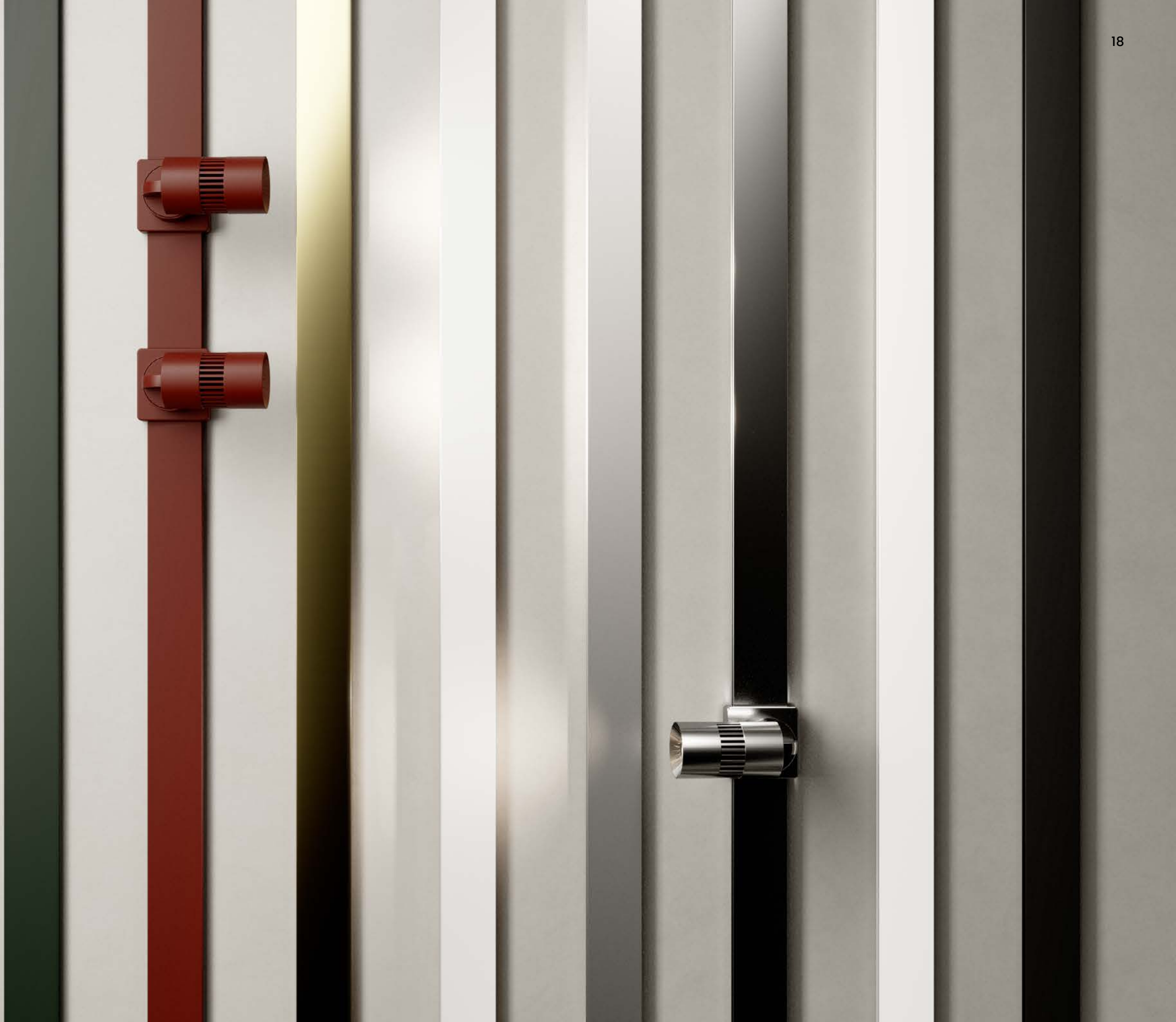
96W of power allows for up to 15 spotlights on one circuit; simply add more power supplies to expand the system.

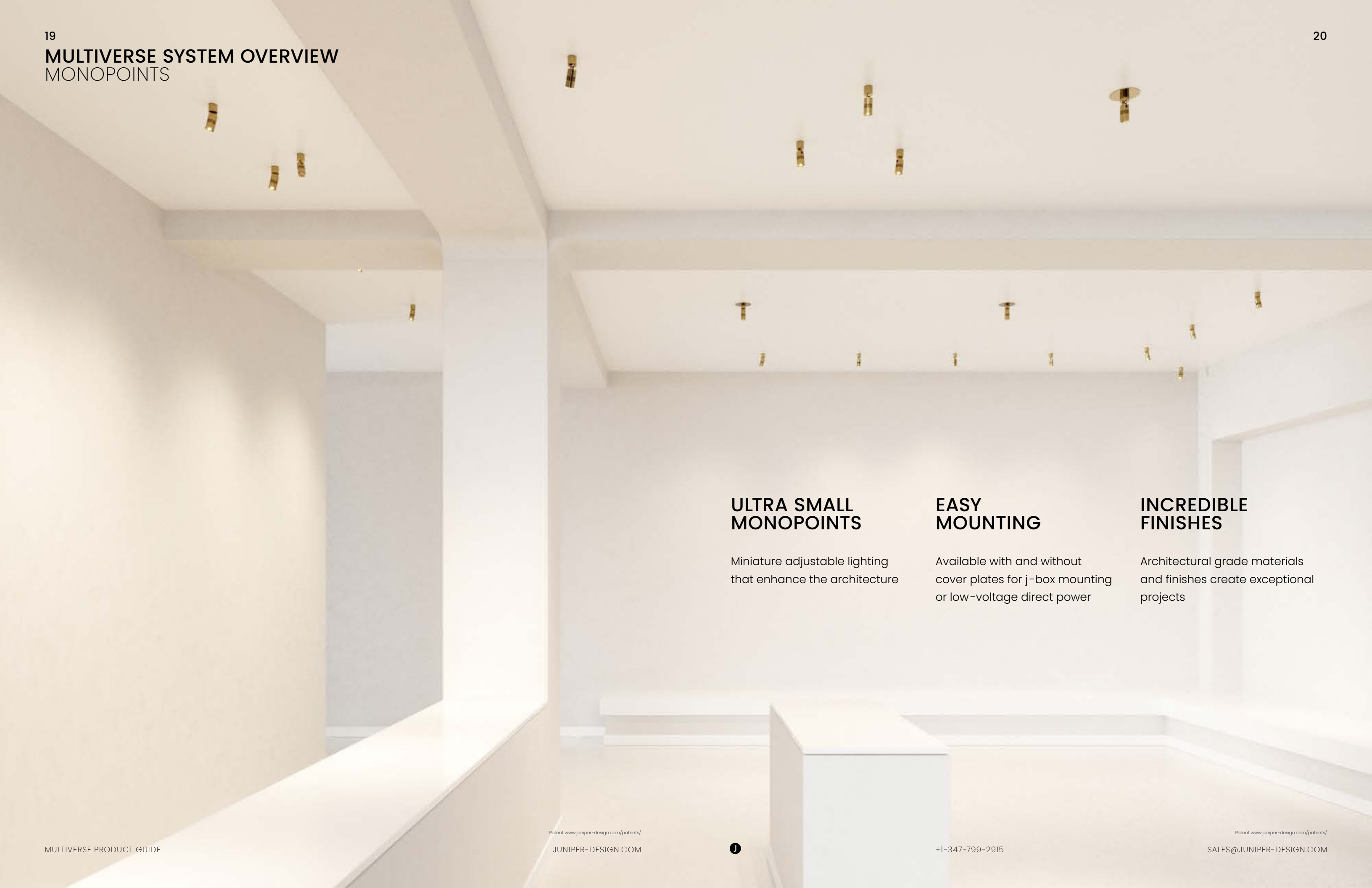


MULTIVERSE SYSTEM OVERVIEW FINISHES

EXCEPTIONAL FINISHES

- High performance coatings, powder coats, and plated metalics.
- Primer field-paintable ribbon.
- Matte White, Matte Black, Satin Aluminum, Satin Brass and Custom colors — see [Finishes](#) section for details.





**ULTRA SMALL
MONOPOINTS**

Miniature adjustable lighting
that enhance the architecture

**EASY
MOUNTING**

Available with and without
cover plates for j-box mounting
or low-voltage direct power

**INCREDIBLE
FINISHES**

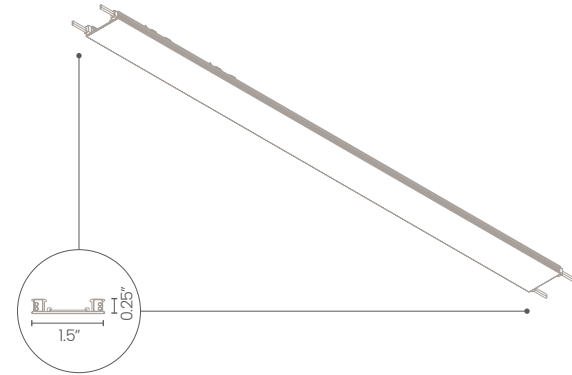
Architectural grade materials
and finishes create exceptional
projects



SYSTEM SPECIFICATIONS

RIBBON

- The low profile heart of the MULTIVERSE System
- Field cuttable (see [Layout Guide](#) for details)
- 2 circuits standard – change circuit by reversing fixture on the ribbon
- All components must be ordered separately except where noted
- Primer is field-paintable



	INCL. CLIPS	QTY	FINISH	PART NUMBER
	2		32 BLACK	RAS-0102-32-02
			33 SATIN ALUMINUM	RAS-0102-33-02
			30 WHITE	RAS-0102-30-02
			31 PRIMER	RAS-0102-31-02
	3		32 BLACK	RAS-0102-32-04
			33 SATIN ALUMINUM	RAS-0102-33-04
			30 WHITE	RAS-0102-30-04
			31 PRIMER	RAS-0102-31-04
	4		32 BLACK	RAS-0102-32-06
			33 SATIN ALUMINUM	RAS-0102-33-06
			30 WHITE	RAS-0102-30-06
			31 PRIMER	RAS-0102-31-06

Each ribbon segment includes an appropriate amount of clips determined by the length – 2 should be mounted within 18 inches of each end of the ribbon segment.

SYSTEM SPECIFICATIONS

RIBBON MOUNTING HARDWARE

The surface mounting clip takes a #6 screw and can be attached to any horizontal or vertical surface (with appropriate anchoring hardware). Ribbon segments then snap onto the clip, and can be released by inserting a flat-head screwdriver (or the provided tool) under the ribbon to depress the catch mechanism.

The appropriate quantity of clips is included with each track length. Additional clips may be purchased separately if needed.

ITEM	PART NUMBER
SURFACE MOUNT CLIP Mounts the ribbon to any flat surface with a #8 flat-head screw 	RAS-0112-WM

For more details, see [Layout Guide](#).




SYSTEM SPECIFICATIONS

RIBBON CONNECTORS

IN-PLANE

A connector or power feed is required at the end of all ribbon segments.

Connectors can either pass power through to create a continuous circuit, or isolate circuits for separate control or wattage requirements.

ITEM		FINISH	PART NUMBER	
END <small>Terminates one end of a ribbon segment</small>		32 BLACK	RAS-0101-32-00-EC	
		33 SATIN ALUMINUM	RAS-0101-33-00-EC	
		30 WHITE	RAS-0101-30-00-EC	
		31 PRIMER	RAS-0101-31-00-EC	
STRAIGHT <small>Connects two ribbon segments</small>		32 BLACK	RAS-0101-32-00-SC-	P D
		33 SATIN ALUMINUM	RAS-0101-33-00-SC-	P D
		30 WHITE	RAS-0101-30-00-SC-	P D
		31 PRIMER	RAS-0101-31-00-SC-	P D
IN-PLANE 90 <small>Connects two ribbon segments at 90°</small>		32 BLACK	RAS-0101-32-90-IP-	P D
		33 SATIN ALUMINUM	RAS-0101-33-90-IP-	P D
		30 WHITE	RAS-0101-30-90-IP-	P D
		31 PRIMER	RAS-0101-31-90-IP-	P D
3 WAY <small>Connects three ribbon segments at 90°</small>		32 BLACK	RAS-0101-32-90-3W-	P D
		33 SATIN ALUMINUM	RAS-0101-33-90-3W-	P D
		30 WHITE	RAS-0101-30-90-3W-	P D
		31 PRIMER	RAS-0101-31-90-3W-	P D
4 WAY <small>Connects four ribbon segments at 90°</small>		32 BLACK	RAS-0101-32-90-4W-	P D
		33 SATIN ALUMINUM	RAS-0101-33-90-4W-	P D
		30 WHITE	RAS-0101-30-90-4W-	P D
		31 PRIMER	RAS-0101-31-90-4W-	P D

P – Pass-through: electrically connects ribbon segment circuits; D – Dummy: electrically isolates ribbon segment circuits.

Please contact Juniper for alternate configurations.

SYSTEM SPECIFICATIONS

RIBBON CONNECTORS

OUT-OF-PLANE

ITEM		FINISH	PART NUMBER	
INSIDE 90 <small>Connects two ribbon segments at 90°, as in the intersection of a wall and a ceiling</small>		32 BLACK	RAS-0101-32-90-IC-	P D
		33 SATIN ALUMINUM	RAS-0101-33-90-IC-	P D
		30 WHITE	RAS-0101-30-90-IC-	P D
		31 PRIMER	RAS-0101-31-90-IC-	P D
OUTSIDE 90 <small>Connects two ribbon segments at 90°, as in the intersection of two walls</small>		32 BLACK	RAS-0101-32-90-OC-	P D
		33 SATIN ALUMINUM	RAS-0101-33-90-OC-	P D
		30 WHITE	RAS-0101-30-90-OC-	P D
		31 PRIMER	RAS-0101-31-90-OC-	P D

For additional mounting and dimension information, see [Minimum Dimensions](#).

P – Pass-through: electrically connects ribbon segment circuits; D – Dummy: electrically isolates ribbon segment circuits.

Please contact Juniper for alternate configurations.

SYSTEM SPECIFICATIONS

POWER FEED CONNECTORS

A power feed is required to bring low-voltage 24V DC power to the track. Each feed can accommodate connections for up to (2) 96W circuits. Junction box cover plates are available, though not required. Minimum 14 AWG feeder cable is recommended to minimize voltage drop – see [Power Supply](#) section for details.

ITEM		FINISH	PART NUMBER
CENTER J-BOX MOUNTED Mounts to standard 4" octagon box, feeds in both directions		32 BLACK	RAS-0107-32-R-CP-J
		33 SATIN ALUMINUM	RAS-0107-33-R-CP-J
		30 WHITE	RAS-0107-30-R-CP-J
		31 PRIMER	RAS-0107-31-R-CP-J
CENTER SURFACE MOUNTED Direct wire with low-voltage cable, feeds in both directions		32 BLACK	RAS-0107-32-R-CP-W
		33 SATIN ALUMINUM	RAS-0107-33-R-CP-W
		30 WHITE	RAS-0107-30-R-CP-W
		31 PRIMER	RAS-0107-31-R-CP-W
END J-BOX MOUNTED Mounts to standard 4" octagon box, feeds in one direction		32 BLACK	RAS-0107-32-R-EP-J
		33 SATIN ALUMINUM	RAS-0107-33-R-EP-J
		30 WHITE	RAS-0107-30-R-EP-J
		31 PRIMER	RAS-0107-31-R-EP-J
END SURFACE MOUNTED Direct wire with low-voltage cable, feeds in one direction		32 BLACK	RAS-0107-32-R-EP-W
		33 SATIN ALUMINUM	RAS-0107-33-R-EP-W
		30 WHITE	RAS-0107-30-R-EP-W
		31 PRIMER	RAS-0107-31-R-EP-W
END SURFACE CONDUIT Accepts conduit via 1/2" knockout, feeds in one direction		32 BLACK	RAS-0107-32-R-EC
		33 SATIN ALUMINUM	RAS-0107-33-R-EC
		30 WHITE	RAS-0107-30-R-EC
		31 PRIMER	RAS-0107-31-R-EC

SYSTEM SPECIFICATIONS

SUSPENSION ADAPTORS

Suspension Adaptors allow for select 24VDC Juniper lighting to be suspended from the track – a powered adaptor is required for the power feed, and a non-powered adaptor is required for additional aircraft cable mounting points.

ITEM		FINISH	PART NUMBER
SUSPENSION ADAPTOR – POWERED Connects 24V DC suspension luminaire <5lb to the MULTIVERSE ribbon – accepts Juniper coaxial cable		32 BLACK	JPR-RAS-0234-32-P
		33 SATIN ALUMINUM	JPR-RAS-0234-33-P
		30 WHITE	JPR-RAS-0234-30-P
SUSPENSION ADAPTOR – NON-POWERED Connects 24V DC suspension luminaire <5lb to the MULTIVERSE ribbon – accepts 3/64 aircraft cable		32 BLACK	JPR-RAS-0234-32-S
		33 SATIN ALUMINUM	JPR-RAS-0234-33-S
		30 WHITE	JPR-RAS-0234-30-S



SYSTEM SPECIFICATIONS SPOTLIGHTS U-MOUNT

SPECIFICATION BUILDER

RAS-0111  N

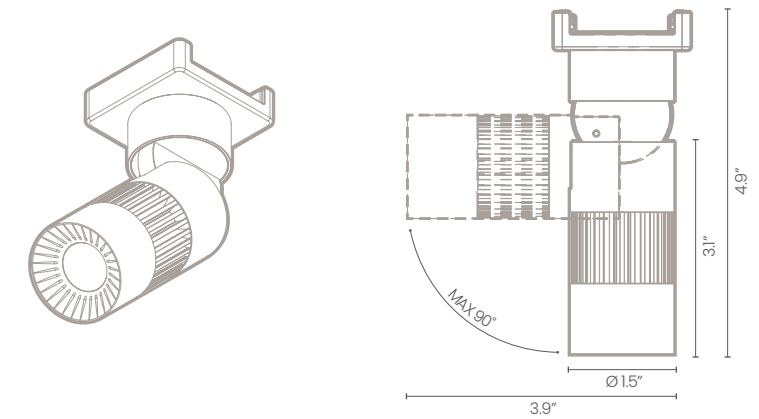
MODEL	1. FINISH	2. OUTPUT	3. CCT
RAS-0111	30 MATTE PURE WHITE (RAL 9016)	050 500LM SPOTLIGHT / 5.3W	27 2700K
	32 MATTE BLACK	080 800LM SPOTLIGHT / 9.3W	30 3000K
	33 SATIN ALUMINUM		35 3500K 40 4000K

Stock finishes shown, see [Finishes](#) for additional options.

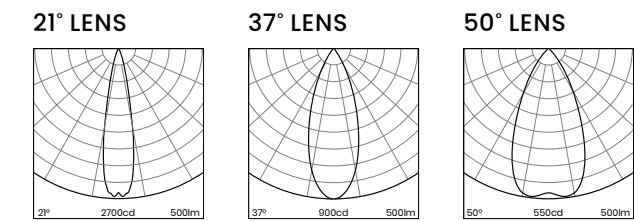
4. BEAM SPREAD	ACCESSORY SLOT

SYSTEM SPECIFICATIONS SPOTLIGHTS U-MOUNT

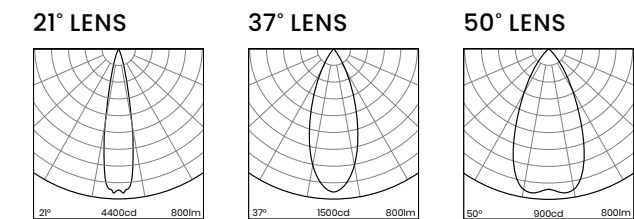
- CRI 90+
- 90+ LM/W efficacy
- R9 50+
- Mounts to ribbon with magnetic twist lock



SPOTLIGHT 500LM



SPOTLIGHT 800LM



For additional lenses and accessories, see [Lenses and Optical Accessories](#).

For detailed photometrics, see [Photometrics Guide](#).

IES files available.



SYSTEM SPECIFICATIONS

SPOTLIGHTS MONOPOINT

SPECIFICATION BUILDER

RAS-0193 N

MODEL	1. FINISH	2. OUTPUT	3. CCT
RAS-0193	30 MATTE PURE WHITE (RAL 9016)	050 500LM SPOTLIGHT / 5.3W	27 2700K
	32 MATTE BLACK	080 800LM SPOTLIGHT / 9.3W	30 3000K
	33 SATIN ALUMINUM		35 3500K 40 4000K

Stock finishes shown, see [Finishes](#) for additional options.

4. BEAM SPREAD	ACCESSORY SLOT

ITEM	PART NUMBER
<p>SINGLE PLATE</p>	RAS-0230-XX
<p>DOUBLE PLATE</p>	RAS-0231-XX
<p>TRIPLE PLATE</p>	RAS-0232-XX

- Plate includes:
- cross bar for mounting to 4" junction box
 - spring clips for use with Plate to mount to 2–4" dia. hole in drywall

For detailed photometrics, see [Photometrics Guide](#).

IES files available.



Patent www.juniper-design.com/patents/

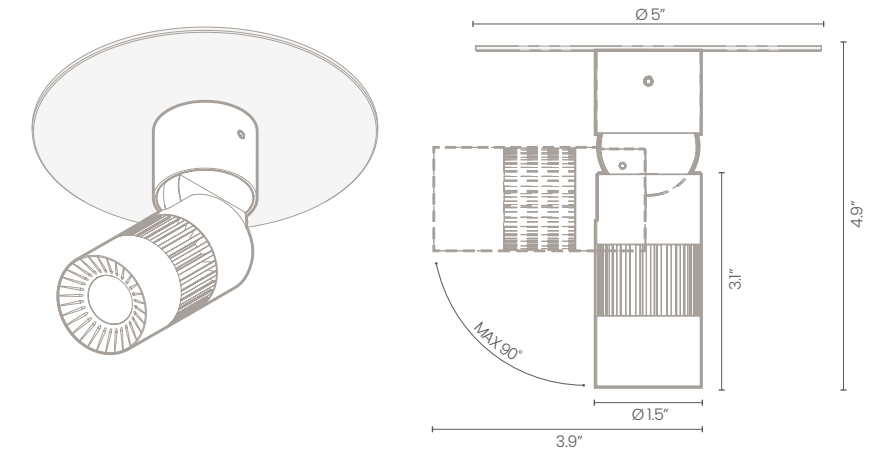
Updated: 10/07/2022

SYSTEM SPECIFICATIONS

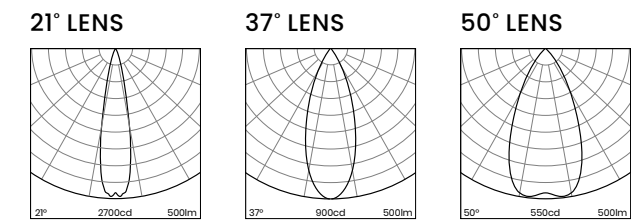
SPOTLIGHTS MONOPOINT

- CRI 90+
- 90+ LM/W efficacy
- R9 50+

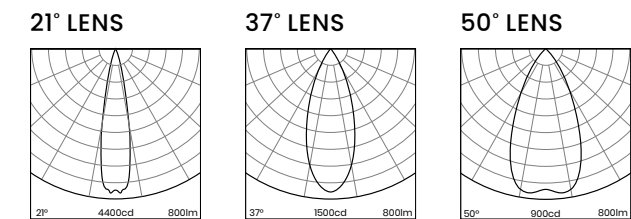
Standalone accent luminaire powered via 24V DC low voltage power supply. Hardware included for mounting: #8 screw for direct mount to surface.



SPOTLIGHT 500LM



SPOTLIGHT 800LM



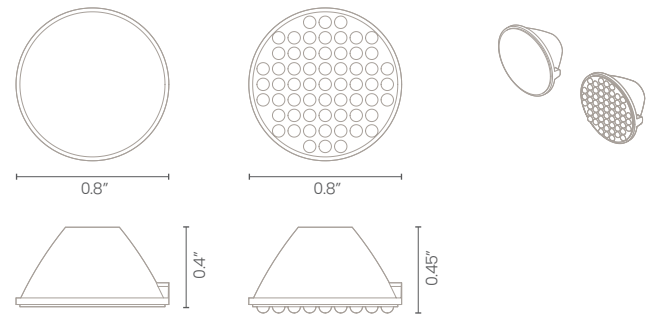
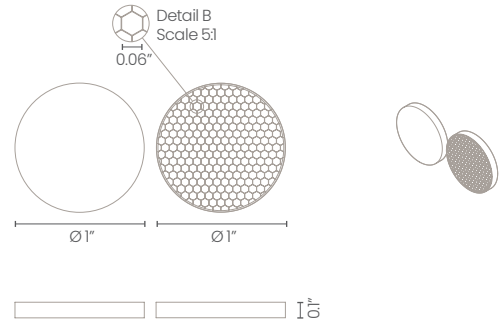
Patent www.juniper-design.com/patents/

Updated: 10/07/2022



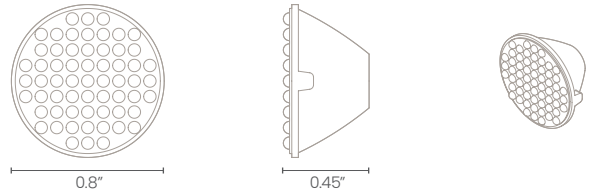
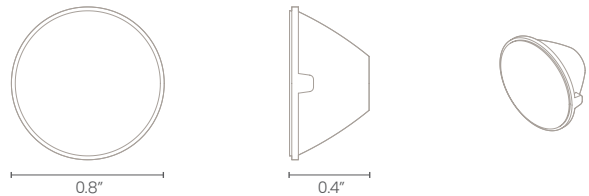
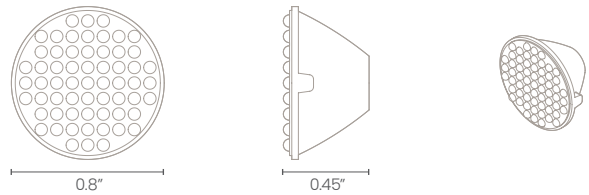
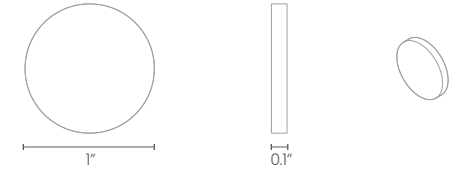
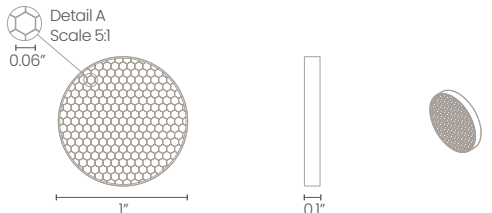
SYSTEM SPECIFICATIONS

LENSES AND OPTICAL ACCESSORIES

ITEM	PART NUMBER
OPTICAL LENS KIT Narrow 21° and wide 50° beam angle lenses 	RAS-0209
OPTICAL ACCESSORIES KIT Solite softening filter, Hex Louver 	RAS-0215

SYSTEM SPECIFICATIONS

LENSES AND OPTICAL ACCESSORIES

ITEM	PART NUMBER
NARROW LENS (21°) 	JPR-PMC-0135
MEDIUM LENS (37°) 	JPR-PMC-0122
WIDE LENS (50°) 	JPR-PMC-0136
SOLITE SOFTENING GLASS 	JPR-PMC-0163
MESH LOUVER 	JPR-MCP-1073

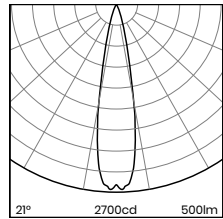
SYSTEM SPECIFICATIONS

PHOTOMETRICS DATA

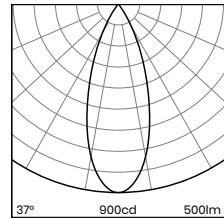
MULTIVERSE Spotlights include all 3 lenses. See cone of light data table for approximate footcandles. IES files are available for download on our website.

SPOT 500LM

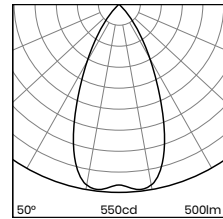
21° LENS



37° LENS



50° LENS



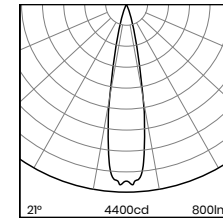
H (F)	FC	DIA (F)
3	140	1.1
6	72	2.3
8	40	3.0
10	26	3.8
12	18	4.5
14	13	5.3
16	10	6.0

H (F)	FC	DIA (F)
3	49	2.0
6	25	4.0
8	14	5.4
10	9	6.7
12	6	8.1
14	5	9.4
16	4	10.8

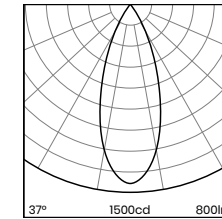
H (F)	FC	DIA (F)
3	28	2.8
6	15	5.5
8	8	7.4
10	5	9.2
12	4	11.1
14	3	12.9
16	2	14.7

SPOT 800LM

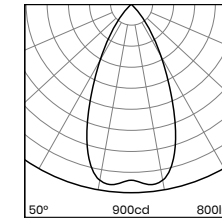
21° LENS



37° LENS



50° LENS



H (F)	FC	DIA (F)
3	224	1.2
6	115	2.3
8	65	3.0
10	41	3.8
12	29	4.5
14	21	5.3
16	16	6.0

H (F)	FC	DIA (F)
3	78	2.0
6	40	4.0
8	23	5.4
10	14	6.7
12	10	8.1
14	7	9.4
16	6	10.8

H (F)	FC	DIA (F)
3	46	2.8
6	23	5.5
8	13	7.4
10	8	9.2
12	6	11.1
14	4	12.9
16	3	14.7



H (F) – height of luminaire above surface in feet; FC – footcandles; DIA (F) – diameter of lit area.



SYSTEM SPECIFICATIONS

POWER SUPPLY

- The MULTIVERSE System power supplies are 120–277V AC input, forward-phase, reverse-phase, and 0–10V dimming to 1% in one package
- UL Listed power supplies are available for remote applications
- Use chart to determine the best wattage for the required layout and run length
- Two circuits are available – to maximize power and/or for separate circuit control, two power supplies are required

ITEM	WATTAGE	INPUT VOLTAGE	DIMMING	PART NUMBER
POWER SUPPLY 0–10V DIMMING Magnitude Solidrive Power Supply 24VDC, 0–10V Dimming – Junction Box – Remote 	30W			JPR-PWR-0060
	60W	120–277V AC	0–10V	JPR-PWR-0061
	96W			JPR-PWR-0062
POWER SUPPLY FORWARD-PHASE / REVERSE-PHASE DIMMING Magnitude Solidrive PRO-V Power Supply 24VDC, Triac/ELV Dimming – Remote – UL Listed 	30W			JPR-PWR-0096
	60W	120–277V AC	Forward-phase, Reverse-phase	JPR-PWR-0097
	96W			JPR-PWR-0098

NOMINAL DRIVER WATTAGE	LENGTH OF POWER FEED + RIBBON (M)	LENGTH OF POWER FEED + RIBBON (FT)	POWER AVAILABLE (W)	500LM SPOTLIGHTS @ 5.3W	800LM SPOTLIGHTS @ 9.3W
30	5	16	26.7	4	2
	25	82	25.6		
	50	164	24.2		
60	5	16	53.4	9 or	5
	25	82	51.2		
	50	164	48.3		

Numbers are for one 14 AWG circuit only – there are two circuits per ribbon.
 Length must include distance between power supply and the ribbon, ≥14 AWG cabling assumed.



SYSTEM SPECIFICATIONS FINISHES

The MULTIVERSE System is available in a range of finishes including powder coating, metal plating, and a highly durable heat-cured urethane lacquer applied in our own state-of-the-art finishing department at our Southington Factory.

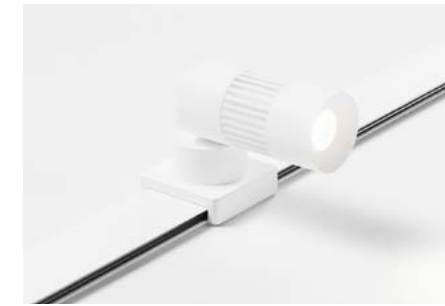
Custom system finishes are available on request. Lot charges apply.

For all finishes except primer, all ribbon, connectors, and luminaires will have a matching finish.

Primer is available on ribbon and ribbon connector components only. It is intended to be field painted with quality latex acrylic paints to match existing ceiling or wall finishes. Masking of conductors is required with provided masking.



Matte Black **32**



Matte Pure White (RAL 9016) **30**



Primer **31** — Ribbon and Connectors only



Satin Aluminum **33**



Polished Aluminum **37**



Satin Brass **36**



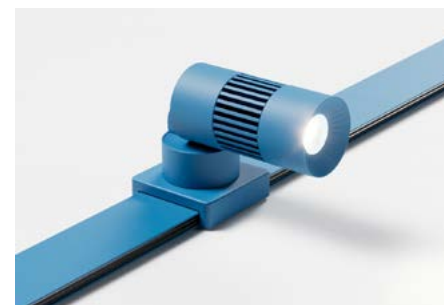
Satin Redwood **35**



Satin Classic Green **34**



Matte Off White (RAL 9002) **38**



Custom **CU**



LAYOUT GUIDE PLAN

Ribbon segments come in stock sizes — to calculate overall lengths, combine segment dimensions with all connector components. Connector dimensions are available on the Spec Sheets.

Connect long runs with in-line connector. All runs must be terminated with an End Connector. Connectors can be ordered to either connect or isolate circuits, see [Spec Sheets](#).

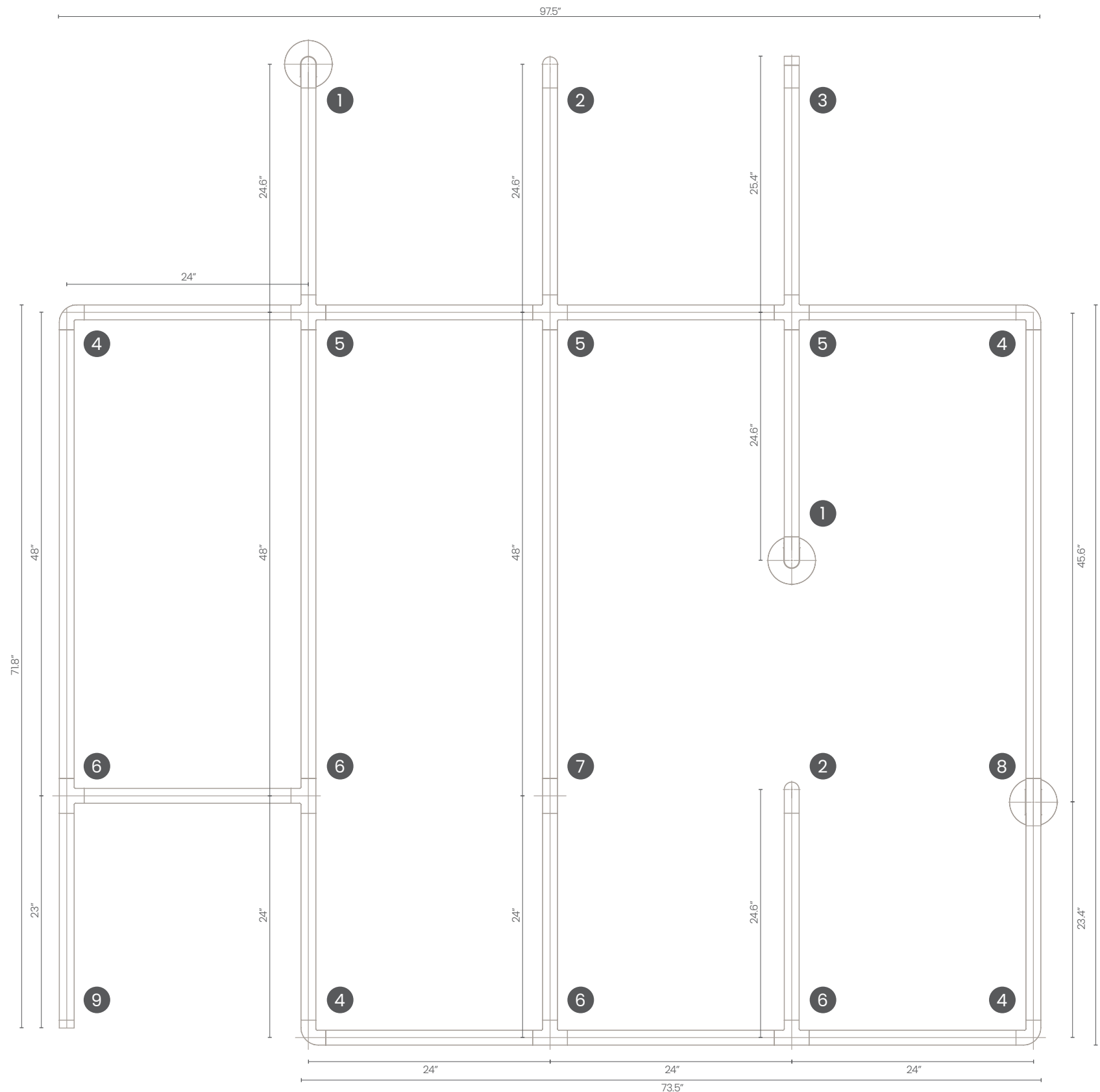
Two mounting clips are provided with each ribbon segment, which is adequate for typical use when placed within 18" of each end of the ribbon segment. Additional mounting clips can be added to support the ribbon where needed in special cases.

FIELD CUTTING

The ribbon segments may be cut to length. Field cutting should be done with a sharp saw — high-tooth-count miter saw recommended. The field cutting process is covered in detail in the installation guide.

HOW TO LAY OUT THE MULTIVERSE SYSTEM

1. Select and locate [corner](#) and [power feed connectors](#).
2. Select [ribbon segments](#).
3. Select accent [luminaires](#).
4. Determine wattage and select power supplies — use the [Power Supply](#) section for reference.



- | | | | | | |
|---|---------------------|---|-------------|---|----------------------|
| 1 | END J-BOX MOUNTED | 4 | IN-PLANE 90 | 7 | STRAIGHT |
| 2 | END SURFACE MOUNTED | 5 | 4 WAY | 8 | CENTER J-BOX MOUNTED |
| 3 | END SURFACE CONDUIT | 6 | 3 WAY | 9 | END |



LAYOUT GUIDE

MINIMUM DIMENSIONS

