

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.

The MULTIVERSE® System'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/](http://www.juniper-design.com/patents/).

Patent [www.juniper-design.com/patents/](http://www.juniper-design.com/patents/)

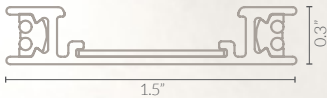
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# MULTIVERSE® SYSTEM AT A GLANCE

## 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, 1000, 1500 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

24VDC  
Remote and surface mounted options available

### SUPERIOR LIGHT QUALITY

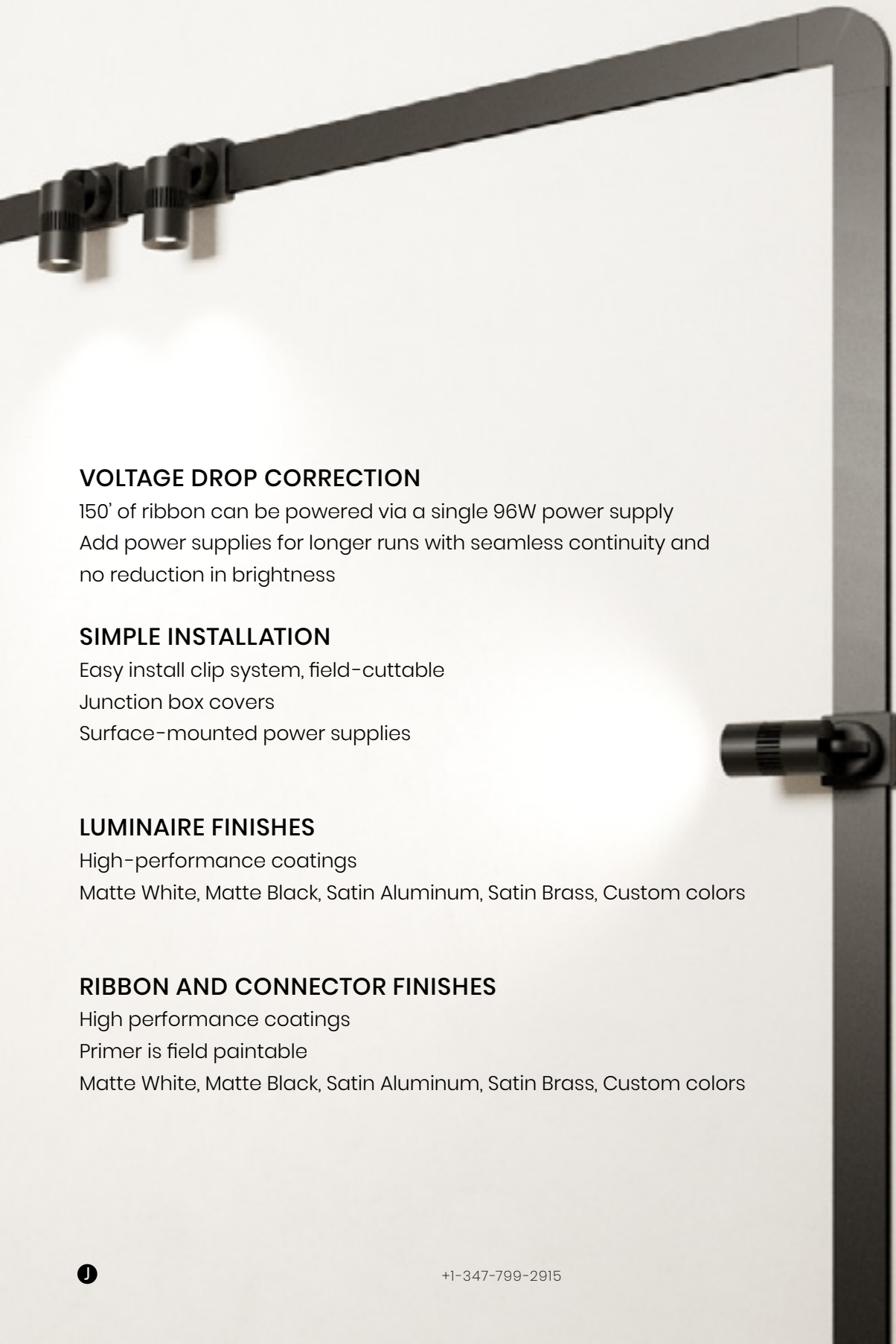
95+ CRI  
85 LM/Watt delivered average  
Flicker-free dimming to 0.1%

### CONNECTORS

Inline, 90 Degree Corner, 3-Way, 4-Way,  
and Out-of-Plane

### 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**

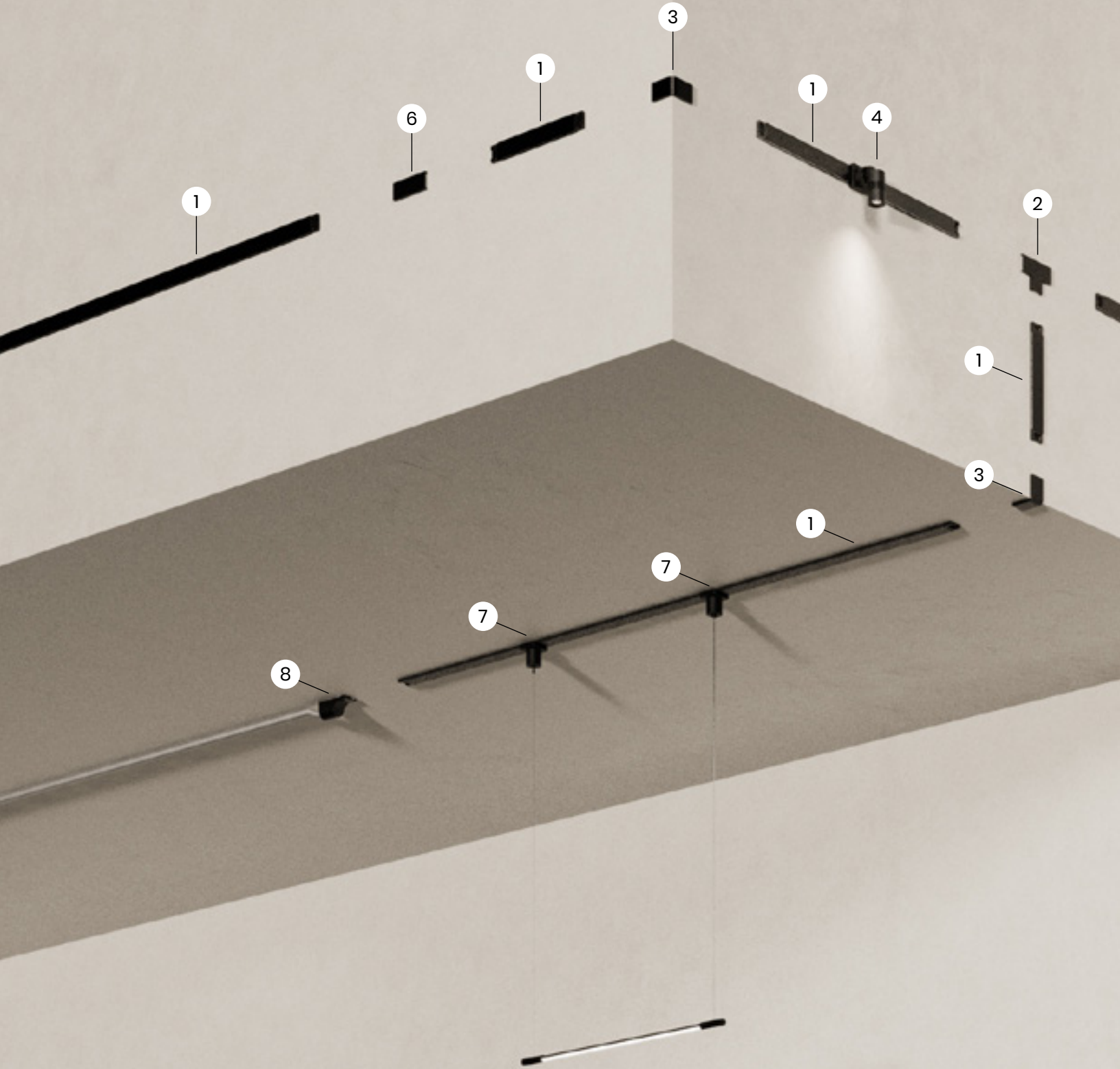
High-performance coatings  
Matte White, Matte Black, Satin Aluminum, Satin Brass, Custom colors

### **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**
- 8 **POWER FEED CONDUIT**  
**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, 1000, 1500 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

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



# MULTIVERSE® SYSTEM OVERVIEW

## RIBBON AND CONNECTORS

### MINIMAL

At just 1.5" wide by 0.3" 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.





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Updated: 05/16/2023

# MULTIVERSE® SYSTEM OVERVIEW

## SUSPENSION ADAPTORS



### EXPANDABLE

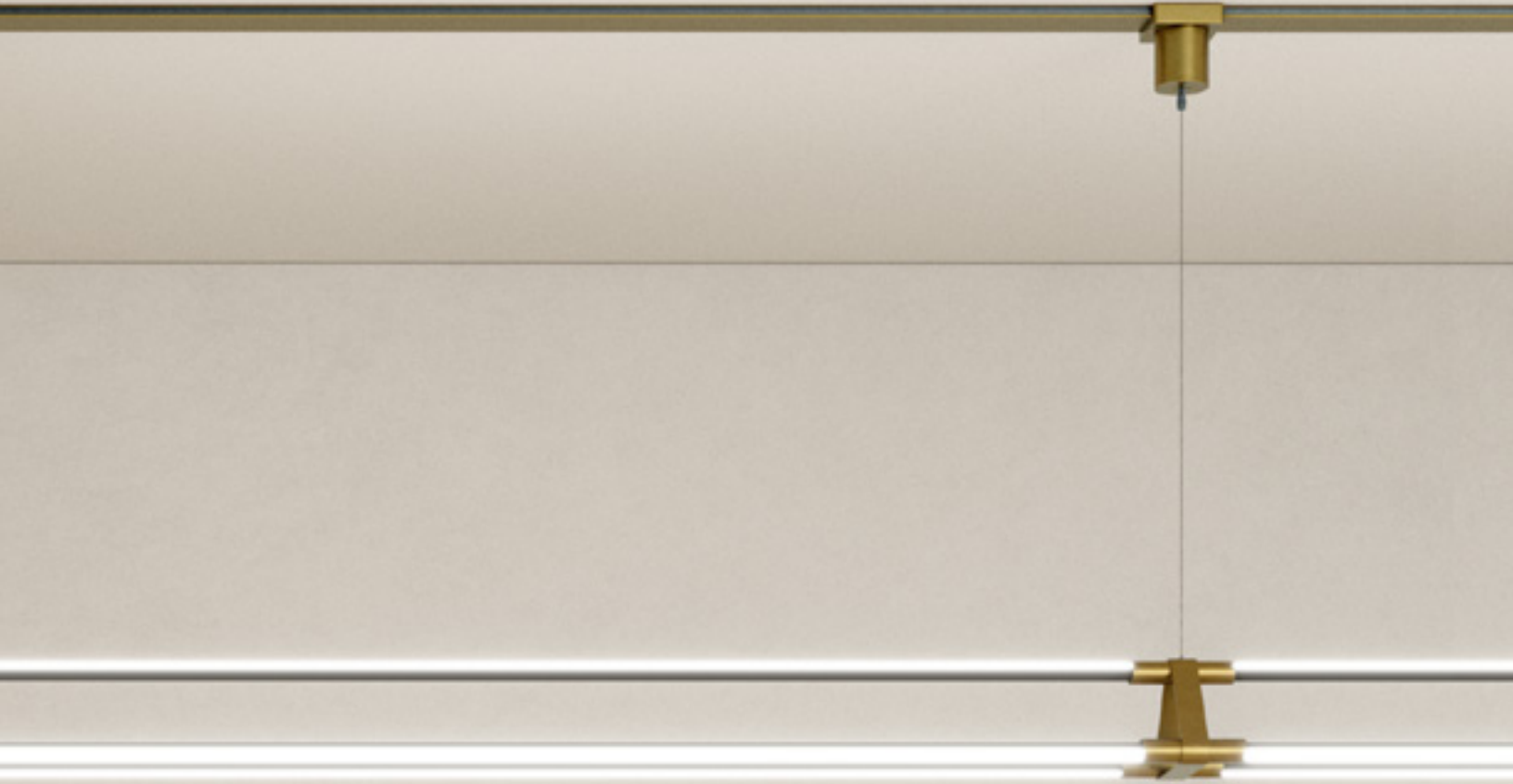
The 24VDC system allows the use of select THIN System fixtures to coordinate across Juniper's collections.

### 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 or without junction boxes, for inline, corner, and end feeds.

### 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 metallics.
- Primer field-paintable ribbon and connectors.
- Matte White, Matte Black, Satin Aluminum, Satin Brass and Custom colors – see [Finishes](#) section for details.





# MULTIVERSE® SYSTEM OVERVIEW

## MONOPOINTS



## 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

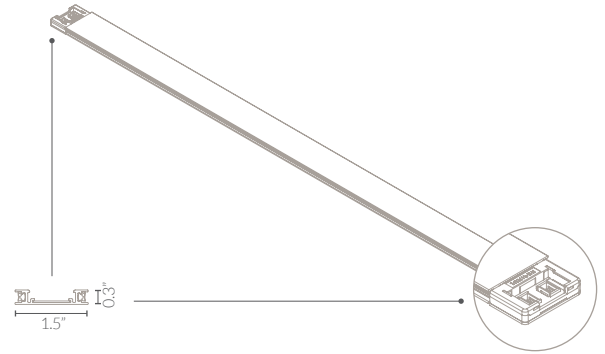
Architectural grade materials and finishes create exceptional projects

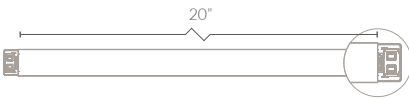
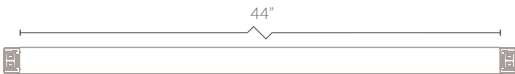
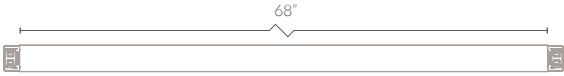


# SYSTEM SPECIFICATIONS

## 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
- See [Finishes](#) page for full finish selection options
- Each ribbon/track comes with one Track End Coupler Interface on each end; must be removed before field cutting



ITEM	INCL. CLIPS	QTY	FINISH	PART NUMBER
<b>2 FT RIBBON</b> 	2	32	BLACK	JPR-MLTV-TRK1-02-32
		33	SATIN ALUMINUM	JPR-MLTV-TRK1-02-33
		30	WHITE	JPR-MLTV-TRK1-02-30
		31	PRIMER	JPR-MLTV-TRK1-02-31
		<b>4 FT RIBBON</b>		
	3	32	BLACK	JPR-MLTV-TRK1-04-32
		33	SATIN ALUMINUM	JPR-MLTV-TRK1-04-33
		30	WHITE	JPR-MLTV-TRK1-04-30
		31	PRIMER	JPR-MLTV-TRK1-04-31
<b>6 FT RIBBON</b>				
	4	32	BLACK	JPR-MLTV-TRK1-06-32
		33	SATIN ALUMINUM	JPR-MLTV-TRK1-06-33
		30	WHITE	JPR-MLTV-TRK1-06-30
		31	PRIMER	JPR-MLTV-TRK1-06-31

Each ribbon segment includes an appropriate amount of clips determined by the length – clips should be mounted within 3 inches of each end of the ribbon segment, with no more than 18 inches between clips.

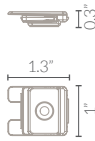
# SYSTEM SPECIFICATIONS

## 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
<p><b>SURFACE MOUNT CLIP</b></p> <p>Mounts the ribbon to any flat surface with a #6 pan-head screw</p>	RAS-0112-WM



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



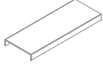
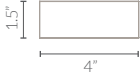

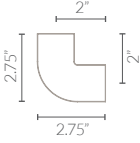
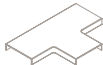
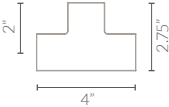

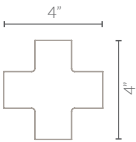


# SYSTEM SPECIFICATIONS

## RIBBON CONNECTORS IN-PLANE

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

All connectors allow for pass through of the circuit; to isolate the ends of the track, add provided Isolating Tape to the track ends.


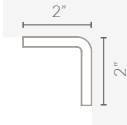

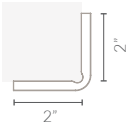
ITEM		FINISH	PART NUMBER
<b>END CAP</b>  Terminates one end of a ribbon segment	 	32 BLACK	JPR-MLTV-CON1-EC-32
		33 SATIN ALUMINUM	JPR-MLTV-CON1-EC-33
		30 WHITE	JPR-MLTV-CON1-EC-30
		31 PRIMER	JPR-MLTV-CON1-EC-31
<b>INLINE</b>  Connects two ribbon segments	 	32 BLACK	JPR-MLTV-CON1-IL-32
		33 SATIN ALUMINUM	JPR-MLTV-CON1-IL-33
		30 WHITE	JPR-MLTV-CON1-IL-30
		31 PRIMER	JPR-MLTV-CON1-IL-31
<b>90 DEGREE CORNER</b>  Connects two ribbon segments at 90°	 	32 BLACK	JPR-MLTV-CON1-90-32
		33 SATIN ALUMINUM	JPR-MLTV-CON1-90-33
		30 WHITE	JPR-MLTV-CON1-90-30
		31 PRIMER	JPR-MLTV-CON1-90-31
<b>3-WAY</b>  Connects three ribbon segments at 90°	 	32 BLACK	JPR-MLTV-CON1-3W-32
		33 SATIN ALUMINUM	JPR-MLTV-CON1-3W-33
		30 WHITE	JPR-MLTV-CON1-3W-30
		31 PRIMER	JPR-MLTV-CON1-3W-31
<b>4-WAY</b>  Connects four ribbon segments at 90°	 	32 BLACK	JPR-MLTV-CON1-4W-32
		33 SATIN ALUMINUM	JPR-MLTV-CON1-4W-33
		30 WHITE	JPR-MLTV-CON1-4W-30
		31 PRIMER	JPR-MLTV-CON1-4W-31

Please contact Juniper for alternate configurations.

# SYSTEM SPECIFICATIONS

## RIBBON CONNECTORS

### OUT-OF-PLANE

ITEM			FINISH	PART NUMBER
<b>INSIDE CORNER</b>			32 BLACK	JPR-MLTV-CON1-IC-32
Connects two ribbon segments at 90°, as in the intersection of a wall and a ceiling			33 SATIN ALUMINUM	JPR-MLTV-CON1-IC-33
30 WHITE			JPR-MLTV-CON1-IC-30	
31 PRIMER			JPR-MLTV-CON1-IC-31	
<b>OUTSIDE CORNER</b>			32 BLACK	JPR-MLTV-CON1-OC-32
Connects two ribbon segments at 90°, as in the intersection of two walls			33 SATIN ALUMINUM	JPR-MLTV-CON1-OC-33
30 WHITE			JPR-MLTV-CON1-OC-30	
31 PRIMER			JPR-MLTV-CON1-OC-31	

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

All connectors allow for pass through of the circuit; to isolate the ends of the track, add provided Isolating Tape to the track ends.

Please contact Juniper for alternate configurations.



# SYSTEM SPECIFICATIONS


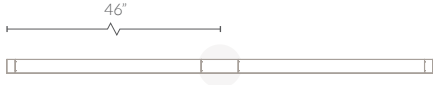
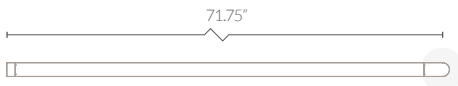
## POWER FEED CONNECTORS

A power feed is required to bring low-voltage 24VDC 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
<b>INLINE</b>  Direct wire with low voltage cable; can feed in both directions; can be mounted to surface or standard 4" octagon box		32 BLACK	JPR-MLTV-RPF1-J-IL-32
		33 SATIN ALUMINUM	JPR-MLTV-RPF1-J-IL-33
		30 WHITE	JPR-MLTV-RPF1-J-IL-30
		31 PRIMER	JPR-MLTV-RPF1-J-IL-31
<b>END</b>  Direct wire with low voltage cable; feeds in one direction; can be mounted to surface or standard 4" octagon box		32 BLACK	JPR-MLTV-RPF1-J-EF-32
		33 SATIN ALUMINUM	JPR-MLTV-RPF1-J-EF-33
		30 WHITE	JPR-MLTV-RPF1-J-EF-30
		31 PRIMER	JPR-MLTV-RPF1-J-EF-31
<b>90 DEGREE CORNER</b>  Direct wire with low voltage cable; can feed in both directions; can be mounted to surface or standard 4" octagon box		32 BLACK	JPR-MLTV-RPF1-J-90-32
		33 SATIN ALUMINUM	JPR-MLTV-RPF1-J-90-33
		30 WHITE	JPR-MLTV-RPF1-J-90-30
		31 PRIMER	JPR-MLTV-RPF1-J-90-31
<b>CONDUIT</b>  Accepts conduit via 1/2" knockout, feeds in one direction		32 BLACK	JPR-MLTV-RPF1-S-CF-32
		33 SATIN ALUMINUM	JPR-MLTV-RPF1-S-CF-33
		30 WHITE	JPR-MLTV-RPF1-S-CF-30
		31 PRIMER	JPR-MLTV-RPF1-S-CF-31

# SYSTEM SPECIFICATIONS

## STANDARD KITS

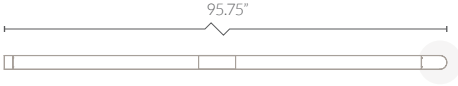
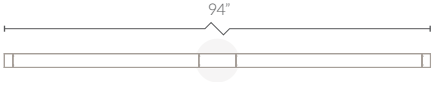
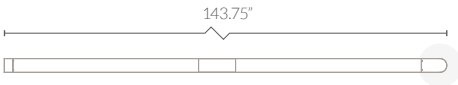
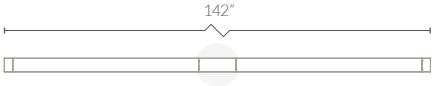
ITEM	PARTS INCLUDED	PART NUMBER	UNITS
<b>4FT KIT – END FEED</b>		<b>JPR-MLTV-KIT1-ST-0004-R-J-EF-XX</b>	
 <p>J-Box Cover Plate optional</p>	TRACK 4' – 3 CLIPS	JPR-MLTV-TRK1-04-XX	1
	END CAP	JPR-MLTV-CON1-EC-XX	1
	END POWER FEED – REMOTE SURFACE MOUNT (J-BOX)	JPR-MLTV-RPF1-J-EF-XX	1
<b>4FT KIT – INLINE FEED</b>		<b>JPR-MLTV-KIT1-ST-0004-R-J-IL-XX</b>	
 <p>J-Box Cover Plate optional</p>	TRACK 2' – 2 CLIPS	JPR-MLTV-TRK1-02-XX	2
	END CAP	JPR-MLTV-CON1-EC-XX	2
	INLINE POWER FEED – REMOTE SURFACE MOUNT (J-BOX)	JPR-MLTV-RPF1-J-IL-XX	1
<b>6FT KIT – END FEED</b>		<b>JPR-MLTV-KIT1-ST-0006-R-J-EF-XX</b>	
 <p>J-Box Cover Plate optional</p>	TRACK 6' – 4 CLIPS	JPR-MLTV-TRK1-06-XX	1
	END CAP	JPR-MLTV-CON1-EC-XX	1
	END POWER FEED – REMOTE SURFACE MOUNT (J-BOX)	JPR-MLTV-RPF1-J-EF-XX	1

Spotlights and power supplies are purchased separately.



# SYSTEM SPECIFICATIONS

## STANDARD KITS


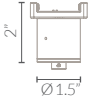

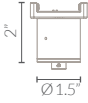

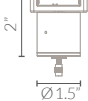
ITEM	PARTS INCLUDED	PART NUMBER	UNITS
<b>8FT KIT – END FEED</b>	<b>8FT KIT – END FEED</b>	<b>JPR-MLTV-KIT1-ST-0008-R-J-EF-XX</b>	
 <p>J-Box Cover Plate optional</p>	TRACK 4' – 3 CLIPS	JPR-MLTV-TRK1-04-XX	2
	END CAP	JPR-MLTV-CON1-EC-XX	1
	END POWER FEED – REMOTE SURFACE MOUNT (J-BOX)	JPR-MLTV-RPF1-J-EF-XX	1
	INLINE CONNECTOR	JPR-MLTV-CON1-IL-XX	1
<b>8FT KIT – INLINE FEED</b>	<b>8FT KIT – INLINE FEED</b>	<b>JPR-MLTV-KIT1-ST-0008-R-J-IL-XX</b>	
 <p>J-Box Cover Plate optional</p>	TRACK 4' – 3 CLIPS	JPR-MLTV-TRK1-04-XX	2
	END CAP	JPR-MLTV-CON1-EC-XX	2
	INLINE POWER FEED – REMOTE SURFACE MOUNT (J-BOX)	JPR-MLTV-RPF1-J-IL-XX	1
<b>12FT KIT – END FEED</b>	<b>12FT KIT – END FEED</b>	<b>JPR-MLTV-KIT1-ST-0012-R-J-EF-XX</b>	
 <p>J-Box Cover Plate optional</p>	TRACK 6' – 4 CLIPS	JPR-MLTV-TRK1-06-XX	2
	END CAP	JPR-MLTV-CON1-EC-XX	1
	END POWER FEED – REMOTE SURFACE MOUNT (J-BOX)	JPR-MLTV-RPF1-J-EF-XX	1
	INLINE CONNECTOR	JPR-MLTV-CON1-IL-XX	1
<b>12FT KIT – INLINE FEED</b>	<b>12FT KIT – INLINE FEED</b>	<b>JPR-MLTV-KIT1-ST-0012-R-J-IL-XX</b>	
 <p>J-Box Cover Plate optional</p>	TRACK 6' – 4 CLIPS	JPR-MLTV-TRK1-06-XX	2
	END CAP	JPR-MLTV-CON1-EC-XX	2
	INLINE POWER FEED – REMOTE SURFACE MOUNT (J-BOX)	JPR-MLTV-RPF1-J-IL-XX	1

Spotlights and power supplies are purchased separately.

# 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
<b>SUSPENSION ADAPTOR – POWERED</b>			32 BLACK	JPR-MLTV-ADP1-P-32
Connects 24VDC suspension luminaires < 5lbs to the MULTIVERSE® ribbon – accepts Juniper coaxial cable			33 SATIN ALUMINUM	JPR-MLTV-ADP1-P-33
			30 WHITE	JPR-MLTV-ADP1-P-30
<b>SUSPENSION ADAPTOR – NON-POWERED</b>			32 BLACK	JPR-MLTV-ADP1-S-32
Connects 24VDC suspension luminaires < 5lbs to the MULTIVERSE® ribbon – accepts 3/64 aircraft cable			33 SATIN ALUMINUM	JPR-MLTV-ADP1-S-33
			30 WHITE	JPR-MLTV-ADP1-S-30

# SYSTEM SPECIFICATIONS

## SPOTLIGHTS U-MOUNT

### 45 MM, STANDARD STEM

#### SPECIFICATION BUILDER

JPR-MLTV-SPT1-	45	050	A	ST		ME	N	
	1	2	3	4	5	6	7	8

MODEL	1. SIZE	2. OUTPUT	3. DIMMING	4. STEM
JPR-MLTV-SPT1-	45 45 MM DIAMETER	050 500 LUMEN	A 1%	ST STANDARD (2.2")

5. CCT	6. BEAM SPREAD	7. ACCESSORY SLOT	8. FINISH	
27 2700K	ME MEDIUM (30)	N NONE (SPACER RING)	30 MATTE PURE WHITE	
30 3000K	ME comes standard. See <a href="#">lens kits</a> for additional field replaceable lenses:	Spacer ring comes standard. See <a href="#">optical accessory kits</a> for field replaceable accessories:	32 MATTE BLACK	
35 3500K			33 SATIN ALUMINUM	
40 4000K			NR NARROW (22)	Stock finishes shown. See <a href="#">Finishes</a> for additional options.
			WI WIDE (38)	
	XW EXTRA WIDE (65)			
		H HEX LOUVER		
		T SOFTENING LENS		
		S SNOOT		

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

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

[IES files](#) available.



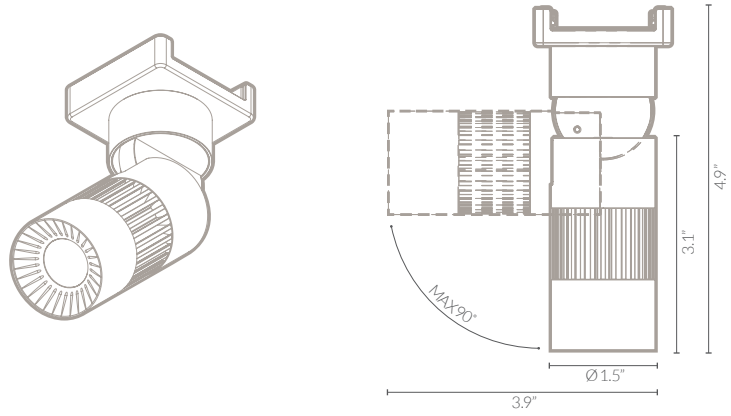
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# SYSTEM SPECIFICATIONS

## SPOTLIGHTS U-MOUNT

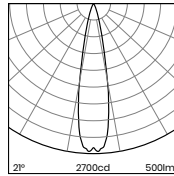
### 45 MM, STANDARD STEM

- CRI 95+
- 90+ LM/W efficacy
- R9 50+

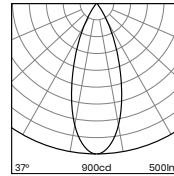


## SPOTLIGHT 500LM

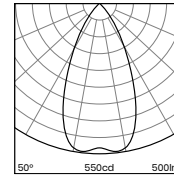
21° LENS



37° LENS



50° LENS



# SYSTEM SPECIFICATIONS

## SPOTLIGHTS U-MOUNT

### 60 MM, STANDARD STEM

#### SPECIFICATION BUILDER

JPR-MLTV-SPT1-	60		A	ST		ME	N	
	1	2	3	4	5	6	7	8

MODEL	1. SIZE	2. OUTPUT	3. DIMMING	4. STEM
JPR-MLTV-SPT1-	60 60 MM DIAMETER	100 1000 LUMEN 150 1500 LUMEN	A 1%	ST STANDARD (2.2")

5. CCT	6. BEAM SPREAD	7. ACCESSORY SLOT	8. FINISH
27 2700K	ME MEDIUM (28)	N NONE (SPACER RING)	30 MATTE PURE WHITE
30 3000K	ME comes standard. See <a href="#">lens kits</a> for additional field replaceable lenses:	Spacer ring comes standard. See <a href="#">optical accessory kits</a> for field replaceable accessories:	32 MATTE BLACK
35 3500K			33 SATIN ALUMINUM
40 4000K			
	NR NARROW (22)	H HEX LOUVER	Stock finishes shown. See <a href="#">Finishes</a> for additional options.
	WI WIDE (39)	T SOFTENING LENS	
	XW EXTRA WIDE (64)	S SNOOT	

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

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

[IES files](#) available.



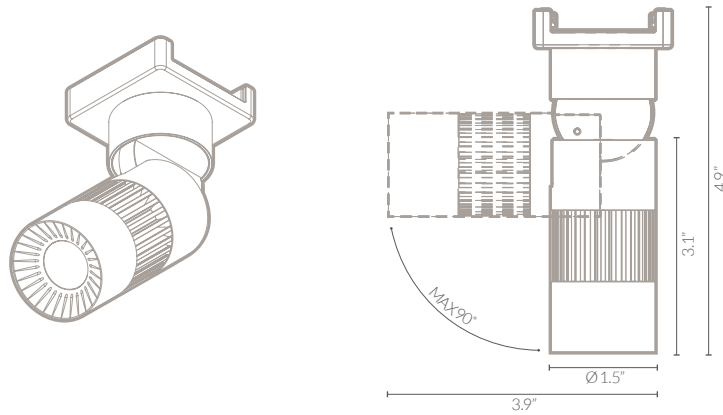
Patent [www.juniper-design.com/patents/](http://www.juniper-design.com/patents/)

# SYSTEM SPECIFICATIONS

## SPOTLIGHTS U-MOUNT

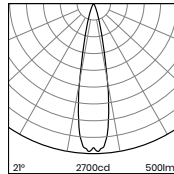
### 60 MM, STANDARD STEM

- CRI 95+
- 90+ LM/W efficacy
- R9 50+

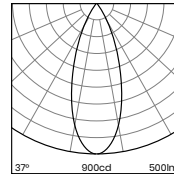


### SPOTLIGHT 1000LM

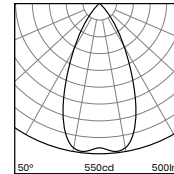
21° LENS



37° LENS

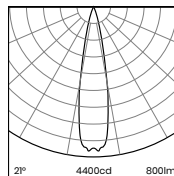


50° LENS

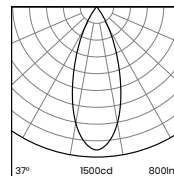


### SPOTLIGHT 1500LM

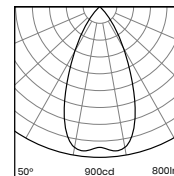
21° LENS



37° LENS



50° LENS



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# SYSTEM SPECIFICATIONS

## SPOTLIGHTS U-MOUNT

### 45 MM, LONG STEM

#### SPECIFICATION BUILDER

JPR-MLTV-SPT1-	45	050	A			ME	N	
	1	2	3	4	5	6	7	8

MODEL	1. SIZE	2. OUTPUT	3. DIMMING	4. STEM	
JPR-MLTV-SPT1-	45 45 MM DIAMETER	050 500 LUMEN	A 1%	06 6" 12 12" 18 18" CU CUSTOM Maximum length 24"	
	5. CCT	6. BEAM SPREAD	7. ACCESSORY SLOT	8. FINISH	
	27 2700K	ME MEDIUM (30)	N NONE (SPACER RING)	30 MATTE PURE WHITE	
	30 3000K	ME comes standard. See <a href="#">lens kits</a> for additional field replaceable lenses:	Spacer ring comes standard. See <a href="#">optical accessory kits</a> for field replaceable accessories:	32 MATTE BLACK	
	35 3500K			NR NARROW (22)	33 SATIN ALUMINUM
	40 4000K			WI WIDE (38)	Stock finishes shown. See <a href="#">Finishes</a> for additional options.
				XW EXTRA WIDE (65)	

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

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

[IES files](#) available.



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# SYSTEM SPECIFICATIONS

## SPOTLIGHTS U-MOUNT

### 45 MM, LONG STEM

- CRI 95+
- 90+ LM/W efficacy
- R9 50+



# SYSTEM SPECIFICATIONS

## SPOTLIGHTS U-MOUNT

### 60 MM, LONG STEM

#### SPECIFICATION BUILDER

JPR-MLTV-SPT1-	60		A			ME	N	
	1	2	3	4	5	6	7	8

MODEL	1. SIZE	2. OUTPUT	3. DIMMING	4. STEM
JPR-MLTV-SPT1-	60 60 MM DIAMETER	100 1000 LUMEN 150 1500 LUMEN	A 1%	06 6" 12 12" 18 18" CU CUSTOM Maximum length 24"
	5. CCT	6. BEAM SPREAD	7. ACCESSORY SLOT	8. FINISH
	27 2700K 30 3000K 35 3500K 40 4000K	ME MEDIUM (28) ME comes standard. See <a href="#">lens kits</a> for additional field replaceable lenses: NR NARROW (22) WI WIDE (39) XW EXTRA WIDE (64)	N NONE (SPACER RING) Spacer ring comes standard. See <a href="#">optical accessory kits</a> for field replaceable accessories: H HEX LOUVER T SOFTENING LENS S SNOOT	30 MATTE PURE WHITE 32 MATTE BLACK 33 SATIN ALUMINUM  Stock finishes shown. See <a href="#">Finishes</a> for additional options.

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

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

[IES files](#) available.



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# SYSTEM SPECIFICATIONS

## SPOTLIGHTS U-MOUNT

### 60 MM, LONG STEM

- CRI 95+
- 90+ LM/W efficacy
- R9 50+



# SYSTEM SPECIFICATIONS

## SPOTLIGHTS MONOPOINT

### 45 MM, STANDARD STEM

#### SPECIFICATION BUILDER

JPR-MLTV-MPT1-	45	050	A	ST		ME	N	
	1	2	3	4	5	6	7	8

MODEL	1. SIZE	2. OUTPUT	3. DIMMING	4. STEM
JPR-MLTV-MPT1-	45 45 MM DIAMETER	050 500 LUMEN	A 1%	ST STANDARD (2.2")

5. CCT	6. BEAM SPREAD	7. ACCESSORY SLOT	8. FINISH	
27 2700K	<b>ME</b> MEDIUM (30)	<b>N</b> NONE (SPACER RING)	<b>30</b> MATTE PURE WHITE	
30 3000K	ME comes standard. See <a href="#">lens kits</a> for additional field replaceable lenses:	Spacer ring comes standard. See <a href="#">optical accessory kits</a> for field replaceable accessories:	<b>32</b> MATTE BLACK	
35 3500K			<b>33</b> SATIN ALUMINUM	
40 4000K			<b>NR</b> NARROW (22)	Stock finishes shown. See <a href="#">Finishes</a> for additional options.
			<b>WI</b> WIDE (38)	
	<b>XW</b> EXTRA WIDE (65)			
		<b>H</b> HEX LOUVER		
		<b>T</b> SOFTENING LENS		
		<b>S</b> SNOOT		

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

[IES files](#) available.



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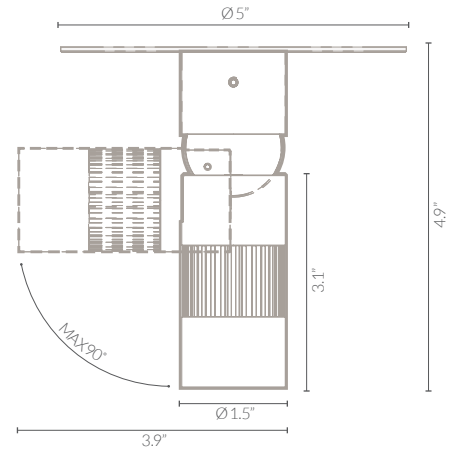
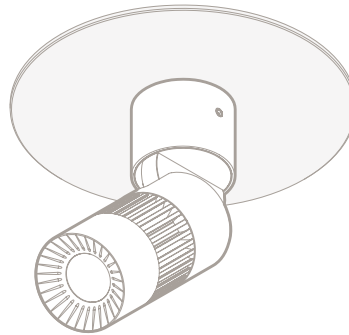
# SYSTEM SPECIFICATIONS

## SPOTLIGHTS MONOPOINT

### 45 MM, STANDARD STEM

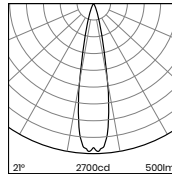
- CRI 95+
- 90+ LM/W efficacy
- R9 50+

Standalone accent luminaire powered via 24VDC low voltage power supply.  
 Hardware included for mounting: #8 toggle bolt for direct mount to surface.

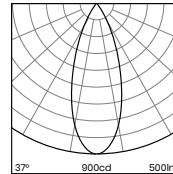


## MONOPOINT 500LM

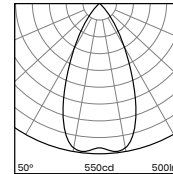
21° LENS



37° LENS



50° LENS



# SYSTEM SPECIFICATIONS

## SPOTLIGHTS MONOPOINT

### 60 MM, STANDARD STEM

#### SPECIFICATION BUILDER

JPR-MLTV-MPT1-	60		A	ST		ME	N	
	1	2	3	4	5	6	7	8

MODEL	1. SIZE	2. OUTPUT	3. DIMMING	4. STEM
JPR-MLTV-MPT1-	60 60 MM DIAMETER	100 1000 LUMEN 150 1500 LUMEN	A 1%	ST STANDARD (2.2")

5. CCT	6. BEAM SPREAD	7. ACCESSORY SLOT	8. FINISH
27 2700K	ME MEDIUM (28)	N NONE (SPACER RING)	30 MATTE PURE WHITE
30 3000K	ME comes standard. See <a href="#">lens kits</a> for additional field replaceable lenses:	Spacer ring comes standard. See <a href="#">optical accessory kits</a> for field replaceable accessories:	32 MATTE BLACK
35 3500K			33 SATIN ALUMINUM
40 4000K			
	NR NARROW (22)	H HEX LOUVER	Stock finishes shown. See <a href="#">Finishes</a> for additional options.
	WI WIDE (39)	T SOFTENING LENS	
	XW EXTRA WIDE (64)	S SNOOT	

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

[IES files](#) available.



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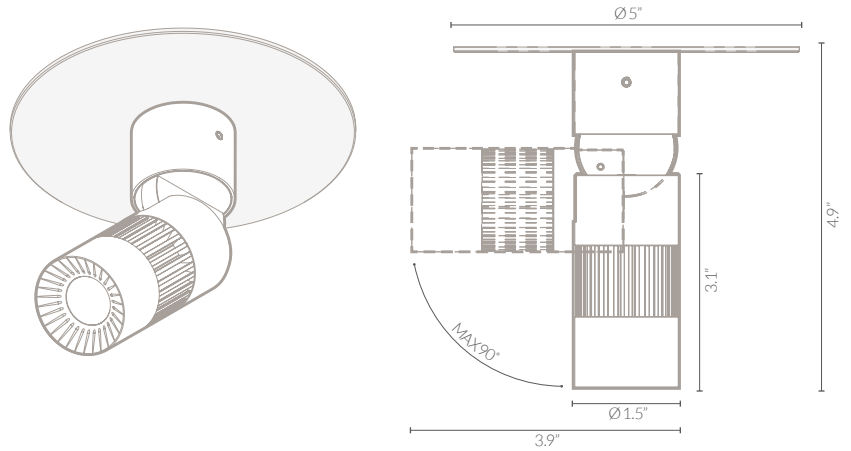
# SYSTEM SPECIFICATIONS

## SPOTLIGHTS MONOPOINT

### 60 MM, STANDARD STEM

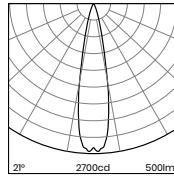
- CRI 95+
- 90+ LM/W efficacy
- R9 50+

Standalone accent luminaire powered via 24VDC low voltage power supply. Hardware included for mounting: #8 toggle bolt for direct mount to surface.

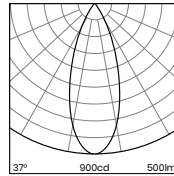


### MONOPOINT 1000LM

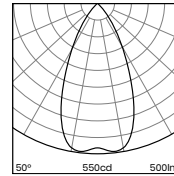
21° LENS



37° LENS

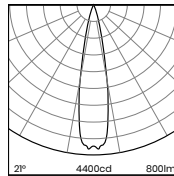


50° LENS

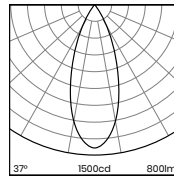


### MONOPOINT 1500LM

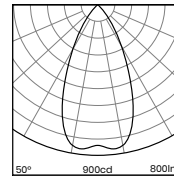
21° LENS



37° LENS



50° LENS



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# SYSTEM SPECIFICATIONS

## SPOTLIGHTS MONOPOINT

### 45 MM, LONG STEM

#### SPECIFICATION BUILDER

JPR-MLTV-MPT1-	45	050	A			ME	N	
	1	2	3	4	5	6	7	8

MODEL	1. SIZE		2. OUTPUT		3. DIMMING		4. STEM	
JPR-MLTV-MPT1-	45	45 MM DIAMETER	050	500 LUMEN	A	1%	06 6"	12 12"
							18 18"	CU CUSTOM
								Maximum length 24"
	5. CCT		6. BEAM SPREAD		7. ACCESSORY SLOT		8. FINISH	
	27	2700K	ME	MEDIUM (30)	N	NONE (SPACER RING)	30	MATTE PURE WHITE
	30	3000K					32	MATTE BLACK
	35	3500K		ME comes standard. See <a href="#">lens kits</a> for additional field replaceable lenses:		Spacer ring comes standard. See <a href="#">optical accessory kits</a> for field replaceable accessories:	33	SATIN ALUMINUM
	40	4000K	NR	NARROW (22)	H	HEX LOUVER		Stock finishes shown. See <a href="#">Finishes</a> for additional options.
			WI	WIDE (38)	T	SOFTENING LENS		
			XW	EXTRA WIDE (65)	S	SNOOT		

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

[IES files](#) available.



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# SYSTEM SPECIFICATIONS

## SPOTLIGHTS MONOPOINT

### 45 MM, LONG STEM

- CRI 95+
- 90+ LM/W efficacy
- R9 50+

Standalone accent luminaire powered via 24VDC low voltage power supply.  
Hardware included for mounting: #8 toggle bolt for direct mount to surface.

# SYSTEM SPECIFICATIONS

## SPOTLIGHTS MONOPOINT

### 60 MM, LONG STEM

#### SPECIFICATION BUILDER

JPR-MLTV-MPT1-	60		A			ME	N	
	1	2	3	4	5	6	7	8

MODEL	1. SIZE	2. OUTPUT	3. DIMMING	4. STEM
JPR-MLTV-MPT1-	60 60 MM DIAMETER	100 1000 LUMEN 150 1500 LUMEN	A 1%	06 6" 12 12" 18 18" CU CUSTOM Maximum length 24"
	5. CCT	6. BEAM SPREAD	7. ACCESSORY SLOT	8. FINISH
	27 2700K 30 3000K 35 3500K 40 4000K	ME MEDIUM (28)  ME comes standard. See <a href="#">lens kits</a> for additional field replaceable lenses: NR NARROW (22) WI WIDE (39) XW EXTRA WIDE (64)	N NONE (SPACER RING)  Spacer ring comes standard. See <a href="#">optical accessory kits</a> for field replaceable accessories: H HEX LOUVER T SOFTENING LENS S SNOOT	30 MATTE PURE WHITE 32 MATTE BLACK 33 SATIN ALUMINUM  Stock finishes shown. See <a href="#">Finishes</a> for additional options.

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

[IES files](#) available.



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# SYSTEM SPECIFICATIONS

## SPOTLIGHTS MONOPOINT

### 60 MM, LONG STEM

- CRI 95+
- 90+ LM/W efficacy
- R9 50+

Standalone accent luminaire powered via 24VDC low voltage power supply.  
Hardware included for mounting: #8 toggle bolt for direct mount to surface.

# SYSTEM SPECIFICATIONS

## LENSES AND OPTICAL ACCESSORIES

### 45 MM

ITEM		PART NUMBER
<p><b>45 MM OPTICAL LENS KIT</b></p> <p>Narrow 22°, Wide 38°, and Extra Wide 65° beam angle lenses; comes with a lens removal tool</p>		<p>JPR-MLTV-ACS1-45-L</p>
<p><b>45 MM OPTICAL ACCESSORIES KIT</b></p> <p>Softening glass, hex louver; comes with a lens removal tool</p>		<p>JPR-MLTV-ACS1-45-A</p>
<p><b>45 MM SNOOT</b></p>		<p>JPR-MLTV-ACS1-45-S</p>

# SYSTEM SPECIFICATIONS

## LENSES AND OPTICAL ACCESSORIES

### 45 MM

ITEM				PART NUMBER
45 MM NARROW LENS (22°)				JPR-PMC-0187
45 MM MEDIUM LENS (30°)				JPR-PMC-0188
45 MM WIDE LENS (38°)				JPR-PMC-0189
45 MM EXTRA WIDE LENS (65°)				JPR-PMC-0190
45 MM SOFTENING GLASS				JPR-PMC-0201
45 MM HEX LOUVER				JPR-MCP-1393

# SYSTEM SPECIFICATIONS

## LENSES AND OPTICAL ACCESSORIES

### 60 MM

ITEM	PART NUMBER
<p><b>60 MM OPTICAL LENS KIT</b></p> <p>Narrow 20°, Wide 39°, and Extra Wide 64° beam angle lenses; comes with a lens removal tool</p>	<p>JPR-MLTV-ACS1-60-L</p>
<p><b>60 MM OPTICAL ACCESSORIES KIT</b></p> <p>Softening glass, hex louver; comes with a lens removal tool</p>	<p>JPR-MLTV-ACS1-60-A</p>
<p><b>60 MM SNOOT</b></p>	<p>JPR-MLTV-ACS1-60-S</p>

# SYSTEM SPECIFICATIONS

## LENSES AND OPTICAL ACCESSORIES

### 60 MM

ITEM				PART NUMBER
60 MM NARROW LENS (22°)				JPR-PMC-0192
60 MM MEDIUM LENS (28°)				JPR-PMC-0193
60 MM WIDE LENS (39°)				JPR-PMC-0194
60 MM EXTRA WIDE LENS (64°)				JPR-PMC-0195
60 MM SOFTENING GLASS				JPR-PMC-0202
60 MM HEX LOUVER				JPR-MCP-1394

# SYSTEM SPECIFICATIONS

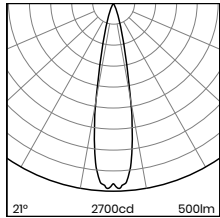
## PHOTOMETRICS DATA

### 45 MM

MULTIVERSE® Spotlights and Monopoints include all 4 lenses. See cone of light data table for approximate footcandles. IES files are available for download on our website.

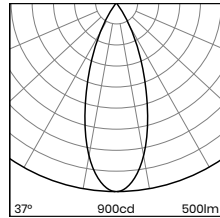
## SPOT 500LM

21° LENS



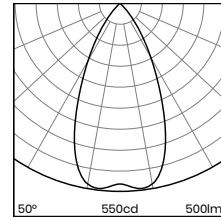
H (F)	FC	DIA (F)
3	140	1.1
6	72	2.3
8	40	3.0
10	26	3.8
12	18	4.5
14	13	5.3
16	10	6.0

37° LENS



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

50° LENS



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

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

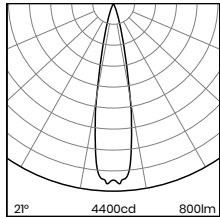
# SYSTEM SPECIFICATIONS

## PHOTOMETRICS DATA

### 60 MM

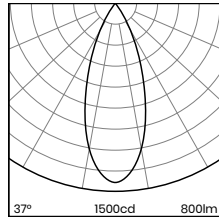
#### SPOT 1000LM

21° LENS



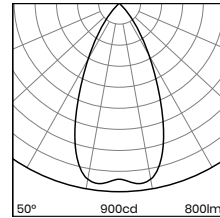
H (F)	FC	DIA (F)
3	224	1.2
6	115	2.3
8	65	3.0
10	41	3.8
12	29	4.5
14	21	5.3
16	16	6.0

37° LENS



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

50° LENS



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.



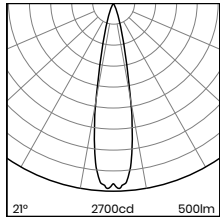
# SYSTEM SPECIFICATIONS

## PHOTOMETRICS DATA

### 60 MM

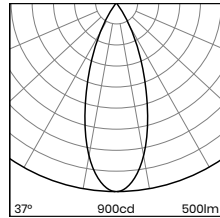
#### SPOT 1500LM

21° LENS



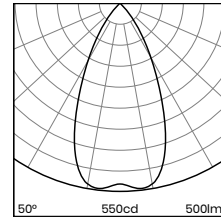
H (F)	FC	DIA (F)
3	140	1.1
6	72	2.3
8	40	3.0
10	26	3.8
12	18	4.5
14	13	5.3
16	10	6.0

37° LENS



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

50° LENS



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

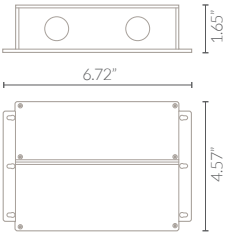
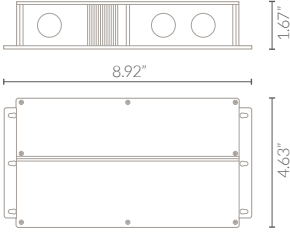
H (F) – height of luminaire above surface in feet; FC – footcandles; DIA (F) – diameter of lit area.



# 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
<b>POWER SUPPLY</b>				
<p>24VDC, Triac/ELV/0–10V 1% Dimming, Remote, UL Listed</p> 	30W	120–277V AC	Forward-phase, Reverse-phase, 0–10V	PWR-0127
	60W	120–277V AC	Forward-phase, Reverse-phase, 0–10V	PWR-0128
	96W			PWR-0129

# SYSTEM SPECIFICATIONS

## SYSTEM AND DRIVER MATRIX

NOMINAL DRIVER WATTAGE	LENGTH OF POWER FEED + RIBBON (FT)	POWER AVAILABLE (W)	500LM SPOTLIGHTS	1000LM SPOTLIGHTS	1500LM SPOTLIGHTS
30	16	26.5			
	82	25.3			
	164	23.8			
60	16	53.1			
	82	50.9		or	or
	164	47.9			
96	16	83.2	15	9	9
	82	72.1	13	8	8
	164	53.1	9	5	5

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



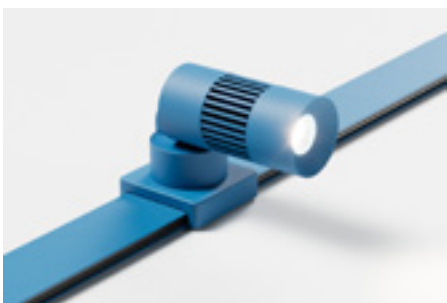
Satin Redwood 35



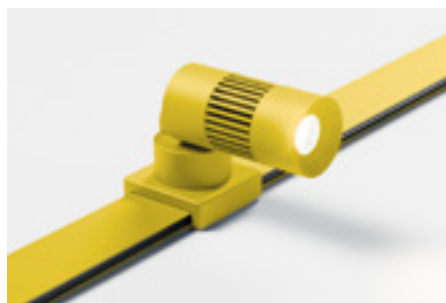
Satin Classic Green 34



Matte Off White (RAL 9002) 38



Electric Blue (RAL 5012) 41



Custom CU



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# 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 Cap. Connectors allow for pass through of circuit; ends can be isolated by installing the provided Isolating Tape to the track ends. See [Spec Sheets](#).

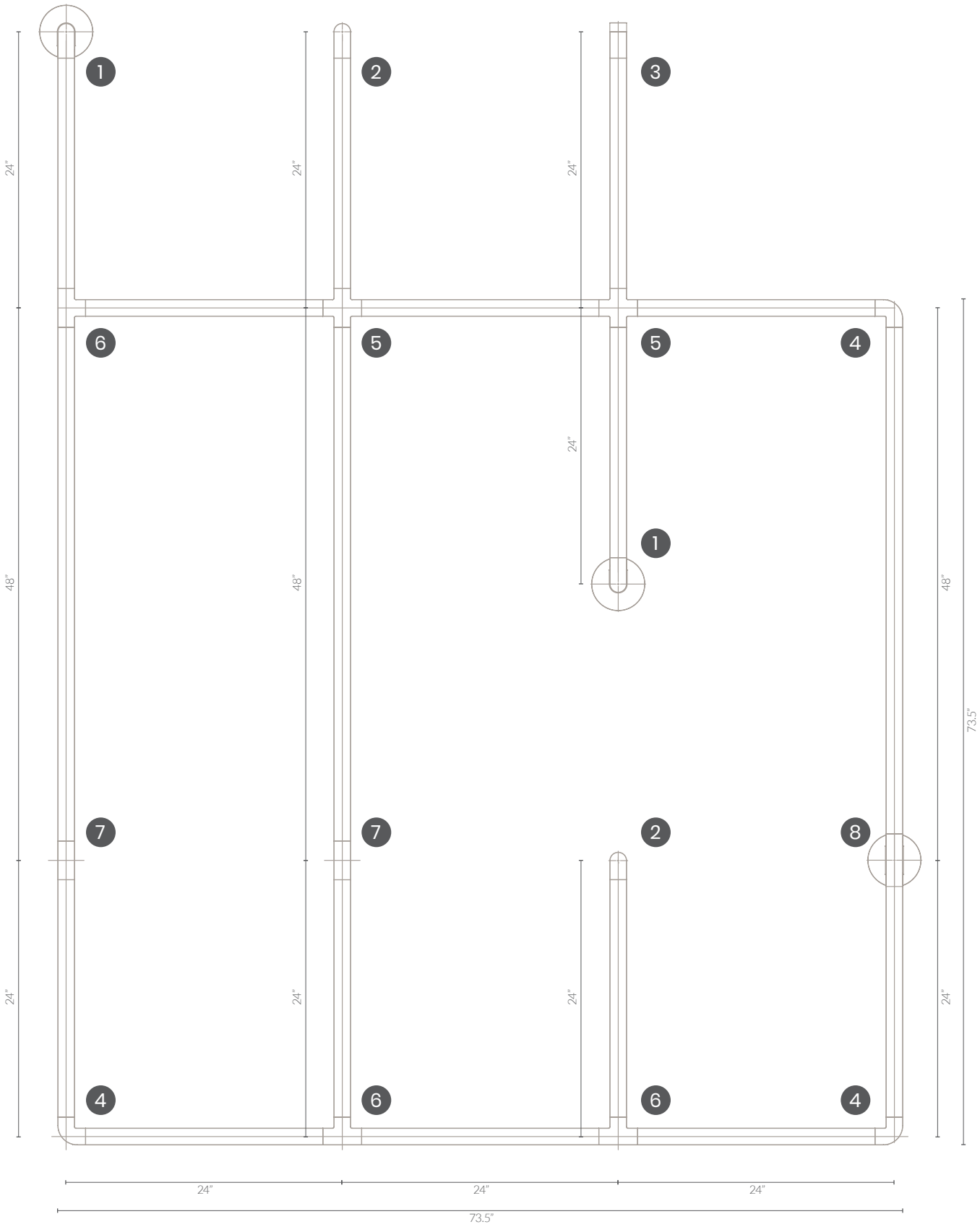
A minimum of two mounting clips are provided with each ribbon segment, which is adequate for typical use when placed within 18" apart from each other. Additional mounting clips can be added to support the ribbon where needed in special cases.

## 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. Determine remote power feed locations and select [power feed](#) type.
2. Select [ribbon segments](#) and [connectors](#) necessary for desired layout.
3. Select accent [luminaires](#).
4. Determine wattage and select power supplies — use the [Power Supply](#) section for reference.



**1 END FEED J-BOX MOUNTED**

**2 END FEED SURFACE MOUNTED**

**3 CONDUIT FEED**

**4 90 DEGREE CORNER**

**5 4 WAY**

**6 3 WAY**

**7 INLINE**

**8 INLINE FEED J-BOX MOUNTED**



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Patent [www.juniper-design.com/patents/](http://www.juniper-design.com/patents/)

# LAYOUT GUIDE

## MINIMUM DIMENSIONS

