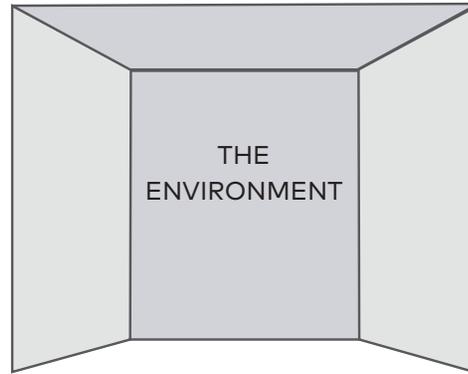# JOIST LED

felt ceiling baffle
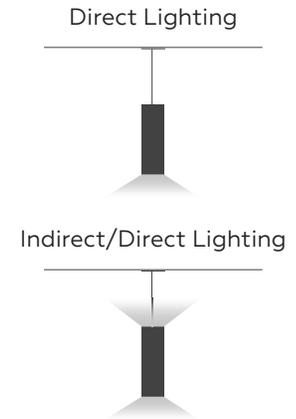
MPS™

HOW TO SPECIFY

Joist just got an upgrade! Introducing the Joist LED Ceiling Baffle — state-of-the-art lighting solution that combines superior LED lighting technology with a unique baffle design. Optimal illumination and acoustic performance in one integrated solution.

01 SPECS

THE ENVIRONMENT

Tell us about your space, the design, and dimensions.

02 LIGHTING DIRECTION
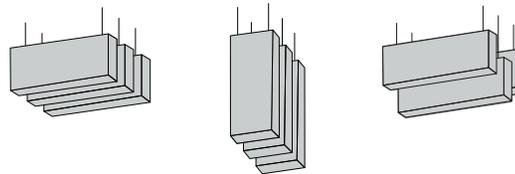
Direct Lighting

Indirect/Direct Lighting

Does your project call for direct lighting, indirect lighting, or both?.

03 COLORS

Standard. Woodgrains. Customs. What's your color? (See page 7)

04 MAKE IT YOUR OWN!

Spec your own configuration. Customize orientation, spacing, etc.

SHADES by ⊠ MPS™

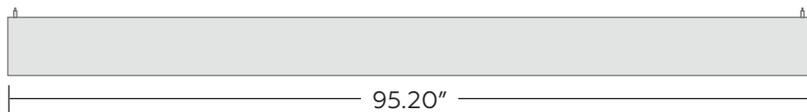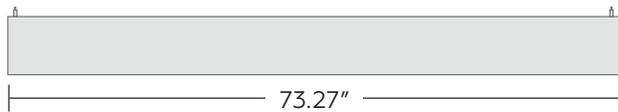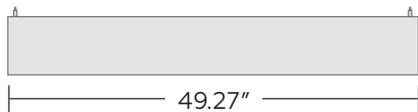| Signature Series |
| Studio Collaboration |
| The Color Lab |

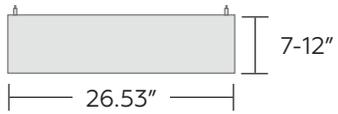Even more color options with SHADES by MPS. (See page 7)
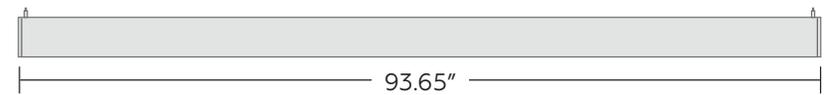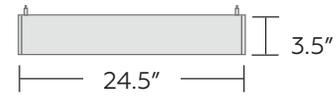
PRODUCT SPECIFICATIONS

STANDARD DIMENSIONS

- 26.53"L x 7-12"H x 2.77"W
- 49.27"L x 7-12"H x 2.77"W
- 73.27"L x 7-12"H x 2.77"W
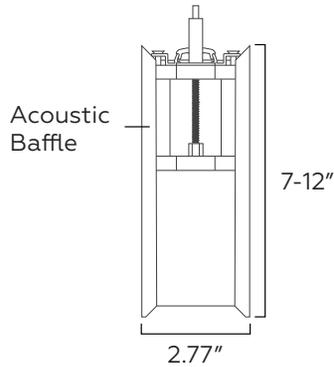- 95.20"L x 7-12"H x 2.77"W

FINAL ASSEMBLY

2.77"

7-12"

26.53"

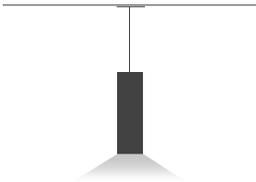49.27"

73.27"

95.20"

FIXTURE WITHOUT BAFFLES

2"

3.5"

24.5"

47.25"

71.25"

93.65"

FIXTURE DETAILS

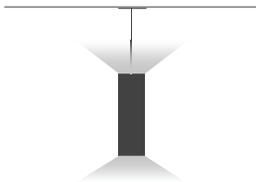## CROSS SECTION

Acoustic Baffle

7-12"

2.77"

DIRECT/INDIRECT LIGHTING

Direct Lighting

Indirect/Direct Lighting

SAMPLE PART NUMBER: JOIST-LED-06-HD-35-UNV-JB-WH-52-P12

ORDER LENGTH	DISTANCE BETWEEN CABLE MOUNTS	ACTUAL OVERALL LENGTH
2 FT	24.50	26.5
4 FT	47.25	49.25
6 FT	71.25	73.25
8 FT	93.65	95.65

DIRECT OUTPUT		CCT	VOLTAGE	MOUNTING		FIXTURE COLOR
VHD 1250 LM/FT	LD 500 LM/FT	30 3000K	UNV 120-277V	T1 1" Grid	HC Hard Ceiling	WH White
HD 1000 LM/FT	VLD 250 LM/FT	35 3500K	347² 347V	T9 9/16" Grid	JB Junction Box	BLK Black
MD 750 LM/FT	CD Custom	40 4000K		SC Screw Slot		S Silver
						GR Charcoal Grey

CRI	SUSPENSION	INTEGRATED CONTROLS	EMERGENCY
BLANK = 80 CRI	CB144 - 144" Cable	OS Occupancy Sensor	EM³ - Emergency Battery
C90 - 90 CRI	Canopy & Cord (Only If Not White): BC - Black Canopy & Cord	DOS Daylight Occupancy Sensor	EC - Emergency Circuit

STANDARD COLORS				STANDARD WOODGRAINS	
24 Snow	22 Khaki	191 Stone	15 Evergreen	52 Ash	62 Italian Walnut
43 Ivory	39 Earth	192 Ocean	157 Midnight	66 Weathered Plywood	63 Main Street Elm
07 Sand	40 Coffee	92 Denim	09 Onyx	61 Fresh Plywood	50 Dark Walnut
03 Marble	13 Wine	18 Granite		54 Plywood	65 Vista Walnut
21 Cream	12 Avocado	33 Slate		64 Planche Oak	
14 Biscuit	93 Sage	04 Graphite		53 Honey	

FIXTURE DETAILS

LED LIGHT OVERVIEW

INDIRECT / DIRECT

ZONE	LUMENS	% FIXT
0-30	915	15%
0-40	1456	24%
0-60	2454	41%
0-90	3048	51%
90-180	2988	50%
0-180	6035	100%

DIRECT

ZONE	LUMENS	% FIXT
0-30	915	15%
0-40	1456	24%
0-60	2454	41%
0-90	3048	51%
90-180	2988	50%
0-180	6035	100%

	VHD 1200	HD 1000	MD 750	LD 500	VLD 250
W/FT	11.6	9.7	7.2	4.8	2.4
LM/FT	1194	1037	762	515	253
LM/W	102.6	106.9	105.5	107.2	104.3

BATWING UP / SYMMETRICAL DOWN

	VHU-VHD	VHU-HD	VHD-MD	VHU-LD	VHU-VLD
W/FT	19.5	17.6	15.1	12.7	10.3
LM/FT	2416.2	2259.0	1984.2	1736.4	1475.3
LM/W	123.9	128.6	131.5	137.2	143.4

	VLU-VHD	VLU-HD	VLU-MD	VLU-LD	VLU-VLD
W/FT	13.1	11.2	8.7	6.3	3.9
LM/FT	1433.5	1276.3	1001.6	753.7	492.6
LM/W	109.3	114.2	115.1	120.1	126.1

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
W/FT	14.8	12.8	10.3	7.9	5.6
LM/FT	1692.3	1535.1	1260.4	1012.5	751.5
LM/W	114.6	119.7	121.8	127.8	135.4

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
W/FT	16.3	14.4	11.9	9.5	7.1
LM/FT	1944.5	1787.3	1512.6	1264.7	1003.7
LM/W	119.1	124.3	127.1	133.4	141.2

	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
W/FT	18.2	16.3	13.8	11.4	9.0
LM/FT	2211.9	2054.7	1780	1532.1	1217.0
LM/W	121.5	126.3	129.1	134.8	141.3

TECHNICAL SPECIFICATIONS

Absorption
Standard: 1.4 NRC

Fire Rating
ASTM E84 Class A

Warranty
Acoustic Baffle - Two (2) Years

LED Fixture - Ten (10) Years

VOC
ASTM D5116 Compliant

Material
PET Felt: 100% polyester fiber

Maintenance
Vacuum clean to remove dust and debris

Sustainability

Declare.

MPS 9mm Acoustic Panels
MPS LLC

Final Assembly: Plano, Texas, USA
Life Expectancy: 50 Year(s)
End of Life Options: Salvageable/Reusable in its Entirely, Take Back Program (Plano, TX), Recyclable (100%)

Ingredients:

Polyethylene Terephthalate

Living Building Challenge Criteria: Compliant

I-13 Red List:
■ LBC Red List Free   % Disclosed: 100% at 100ppm
☐ LBC Red List Approved   VOC Content: Not Applicable
☐ Declared

I-10 Interior Performance: CDPH Standard Method v1.2-2017
I-14 Responsible Sourcing: Not Applicable

MPS-0001
EXP. 01 NOV 2026
Original Issue Date: 2022

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

COLORS & WOODGRAINS

MPS offers a range of standard colors, woodgrains, and custom colors with SHADES.

STANDARD COLORS

SNOW	IVORY	SAND	MARBLE	CREAM	BISCUIT	KHAKI	EARTH	COFFEE	WINE	AVOCADO

SAGE	STONE	OCEAN	DENIM	GRANITE	SLATE	GRAPHITE	EVERGREEN	MIDNIGHT	ONYX

WOODGRAINS

PLYWOOD	PLANCHE OAK	AGED ASH	ITALIAN WALNUT

HONEY	ASH	WEATHERED TEAK	WARM ASH

MAIN STREET ELM	VISTA WALNUT	DARK WALNUT

SHADES by ⊠ MPS

Your design world revolves around color, so don't be limited by standard colors and outdated palettes. We've distilled years of testing into a three-tier system that protects print quality and design intent.

*Some limitations apply. Consult your MPS acoustics expert to discuss your project.

RECOMMENDED	GUIDED CUSTOM	BESPOKE
Signature Series	**Studio Collaboration**	**The Color Lab**
Proven color. Perfect results.	Your color, guided by our expertise.	When your color needs to be one-of-a-kind.

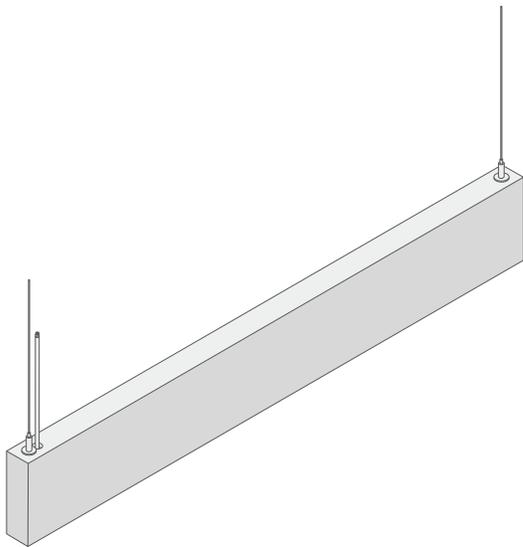# PRODUCT INSTALLATION

CABLE MOUNTING "ON GRID" (T1, T9, & SC)

• Linear suspended Joist LED is intended for "On Grid" or "T-Bar Ceiling" cable mounting are to be installed with T1 (1" T-Grid), T9 (9/16" T-Grid), or SC (Screw Slot Grid) Feed and Hanger Kits. Feed and Hanger Kits are shipped in separate kitting boxes.
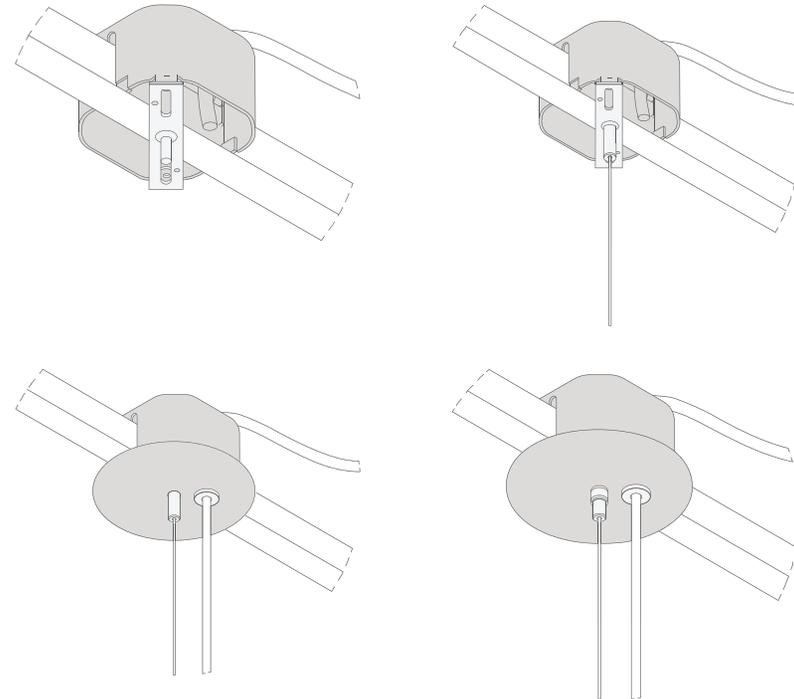
CABLE MOUNTING "OFF GRID" (HC & JB)

• Linear suspended Joist LED is intended for cable mounting are to be installed with HC (Hard Ceiling) or JB (Junction Box) Feed and Hanger Kits. Feed and Hanger Kits are shipped in separate kitting boxes.

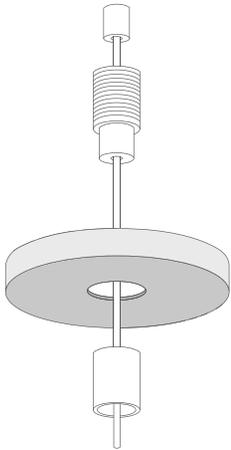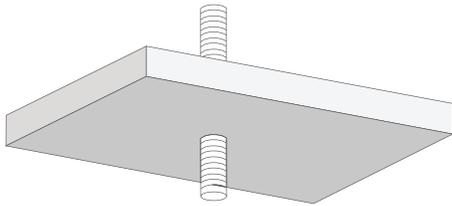## HANGING HARDWARE INSTALLATION

T1, T9, SC above grid install

PRODUCT INSTALLATION

SUSPENDED BAFFLE INSTALLATION

Non-feed cable/canopy assembly

J-BOX

Cable fed through a junctionm box