PAL™ ARCHITECTURAL

LASSO SLOT S3 - IP55 DIRECT (PATTERNS)

IP55

lasso

PAL Architectural Lighting presents the new LASSO SLOT S3 - IP55. Designed for rugged exterior use, the LASSO S3 is IP55 rated against dust and moisture intrusion.

Either suspended or surface mounted, the LASSO Slot S3 - IP55 allows you the ability to form myriad shapes and patterns - from simple curved corners to the most complex configurations.
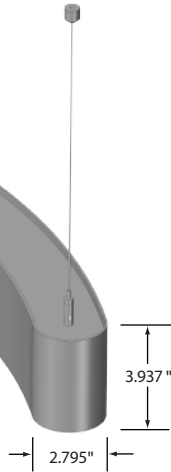
At only 2.795" in width, the LASSO SLOT S3 - IP55 is a sleek, compact form that creates a minimal spatial footprint, while at the same time creating a striking architectural statement.

Type:

Project Name:

Catalog Number:

3.937 "

2.795"

Shown with optional Curved End Plate

SPECIFICATIONS

Housing

Constructed of extruded aluminum and available in various curve-shape lit fixtures, as well as single straight sections of nominal 2', 3', 4', 5', 6', 7' and 8' long. In combination, custom fixture patterns are available.

Lens/Diffusers

(FAL) Frosted acrylic snap-in lens, with magnetic retention location locks.

Finish

Standard housing finish is textured matte white or textured matte black. Custom colors are also available.

Gear Tray/LED Module

Removeable gear tray is constructed of solid aluminum, has LED module attached and is designed for quick and simple 'single person' installation or removal.

Color Temperatures/CRI

LED light sources are available for the following Co-ordinated Color Temperatures (CCT):
Standard: 3000K, 3500K, 4000K, & 5000K
Tunable White: Variable CCT range from 2700K thru 6500K.
RGBW: (Red, Green, Blue, White) color-changing logic module is rated at 90+ CRI and is available in standard High Output and Medium Output.
Contact factory for available custom outputs.
Color Rendering Index (CRI): Standard: 90
Optional: 80

Warranty

10-year limited warranty. No other warranty is expressed or implied. Complete warranty terms can be accessed by visiting:
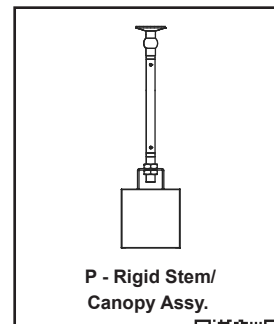*https://pal-lighting.com/company/warranty*

Certifications

Fixtures are UL listed for use in 'Dry or Damp Applications'. Fixtures are CE listed for the European market. Fixtures also carry an EMC rating (electromagnetic compatibility). IP55 rated against dust and moisture intrusion.
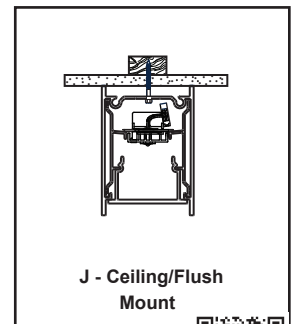
Mountings
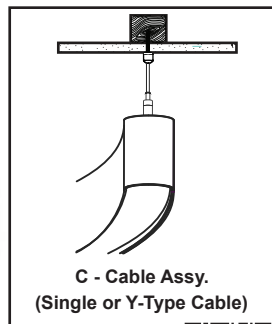
**C - Cable Assy.
(Single or Y-Type Cable)**

*Link to Cable Install Instructions

**P - Rigid Stem/
Canopy Assy.**

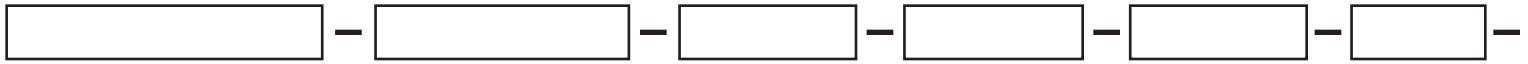*Link to Rigid Stem Install Instructions

J - Ceiling/Flush Mount

*Link to Ceiling/Flush Mt. Install Instructions

TW Tunable White Available

RGBW Available

UL

IP55

CASAMBI

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**4830 Timber Creek Dr.
Houston, TX 77017
pal-lighting.com
(713) 946-4343**

ORDERING GUIDE

LS355-D	—		—		—		—		—		—

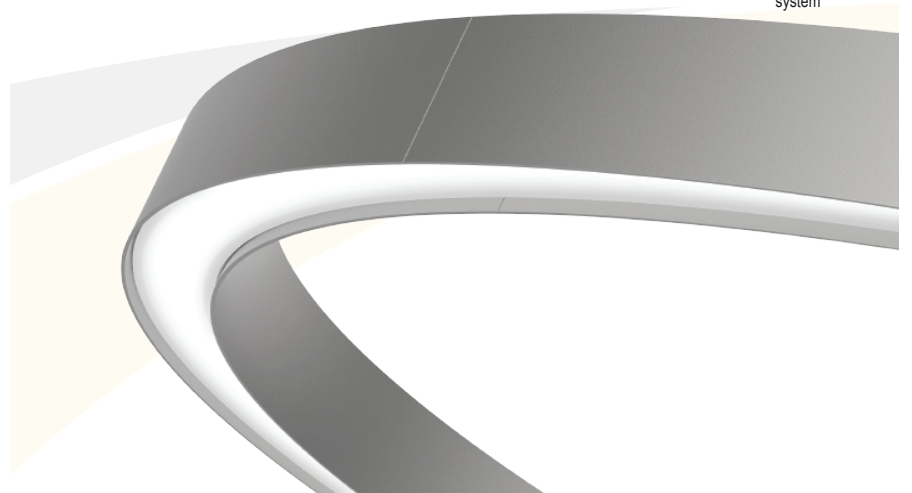| Series	Outputs	Color Temp. (CCT)	Color Render	Straight Fixtures	Custom Fixture Pattern
LS355-D LASSO SLOT S3 - IP55 DIRECT	**Standard Outputs:** **HO** High Output 875 Lms/Ft **MO** Medium Output 475 Lms/Ft **Custom Outputs:** ***CO** ____ Custom Output ***Maximum to Minimum Outputs Available:** **Using 90 CRI Driver:** 198 Lms/Ft - 1219 Lms/Ft **Using 80 CRI Driver:** 381 Lms/Ft - 1265 Lms/Ft	**Standard:** **K30** 3000 Kelvin **K35** 3500 Kelvin **K40** 4000 Kelvin **K50** 5000 Kelvin **Optional:** **TW** 2700K thru 6500K (Tunable White) **RGBW** Red/Green/Blue/White (Color Changing)	**90** 90 CRI (Standard) **80** 80 CRI (Optional)	**Nominal Lengths:** 2' 5' 3' 6' 4' 7' 8'	**Describe Pattern:** _____ _____ _____ **Example:** Hexagonal pattern with 3' long sides.

UNV	—		—		—		—		—		—

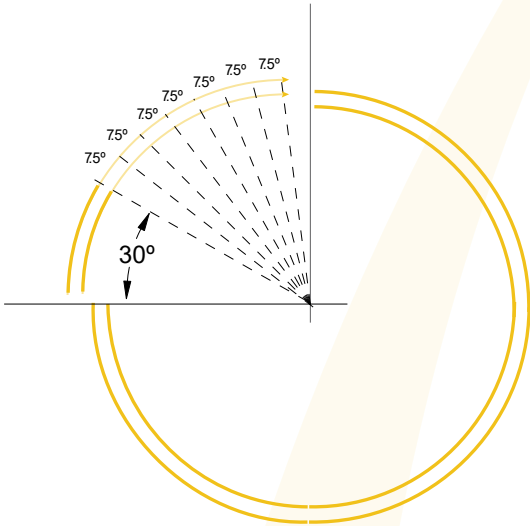| Curve-Shape Fixtures	Standard Connectors	Mounting	Lenses / Diffusers	Housing Color	End Caps
48R (48" Radius): **48R/90** 90 Deg Bend **48R/45** 45 Deg Bend **48R/60** 60 Deg Bend **48R/30** 30 Deg Bend **17R (17" Radius):** **17R/90** 90 Deg Bend **17R/45** 45 Deg Bend **17R/60** 60 Deg Bend **17R/30** 30 Deg Bend **33R (33" Radius):** **33R/90** 90 Deg Bend **33R/45** 45 Deg Bend **33R/60** 60 Deg Bend **33R/30** 30 Deg Bend	**Y-Shape Bend Connectors:** **Y-48R/45** 48" Radius w/45 Deg Bend **Y-33R/45** 33" Radius w/45 Deg Bend **Y-17R/45** 17" Radius w/45 Deg Bend **V-Shape Bend Connectors:** **V-48R/45** 48" Radius w/45 Deg Bend **V-33R/45** 33" Radius w/45 Deg Bend **V-17R/45** 17" Radius w/45 Deg Bend	**C** Cable Assy - Single Cable **CY** Cable Assy - Y-Type Split Cable **P** Rigid Stem/Canopy Assy **J** Ceiling/Flush Mount	**FAL** Frosted Acrylic Lens	**F01M** Textured Matte White (Standard) **F11M** Textured Matte Black (Standard) **FCC** Custom Color - RAL Color # _____	**FE** Flat End Cap **CE** Curved End Cap

UNV	—		—		—		—		—		—
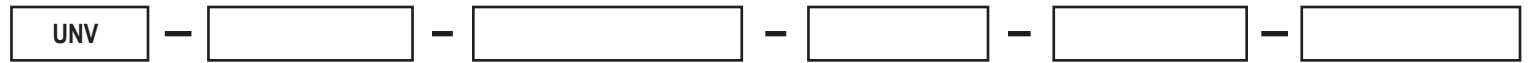
Voltage	Drivers - Dimming	Drivers - Tun. White / RGBW	Sensor Options	Emergency Options	Control Options
UNV Universal Voltage (120V - 277V)	**DIM10** Dimming 100% - 10% **DIM5** Dimming 100% - 5% **DIM1** Dimming 100% - 1% **DIM0** Dimming 100% - 0%	**TW** DALI protocol driver - Tunable White Color Tuning **RGBW** DMX protocol driver - RGBW Red/Green/Blue/White Color Color Tuning	**OCC** Occupancy/Motion Sensor **DS** Daylight/Photocell Sensor	**EBPH** Emergency Battery Pack	**0-10V** 0-10V protocol **DALI** DALI protocol (TW) **DMX** DMX protocol (RGBW) **CASAMBI** Casambi protocol wireless control system

Notes:

1. All fixtures are factory pre-wired for a single circuit. Provisions for multiple switching/circuiting is optional.

2. Straight fixtures and 48R (48" Radius) arc segments contain integral drivers. Arc segments below 48R have remote drivers.

3. Standard power supply (driver) is UL recognized, and is available with 0-10V dimming capability as well as 120 thru 277 universal voltage.

4. Tunable White power supply (driver) is UL recognized, and is compatible with DALI control protocols.

5. RGBW power supply (driver) is UL recognized, and is compatible with DMX control protocols.

6. LASSO Slot S3 - IP55 Direct fixtures are IP55 rated - for indoor or outdoor use where wet location fixtures are required.
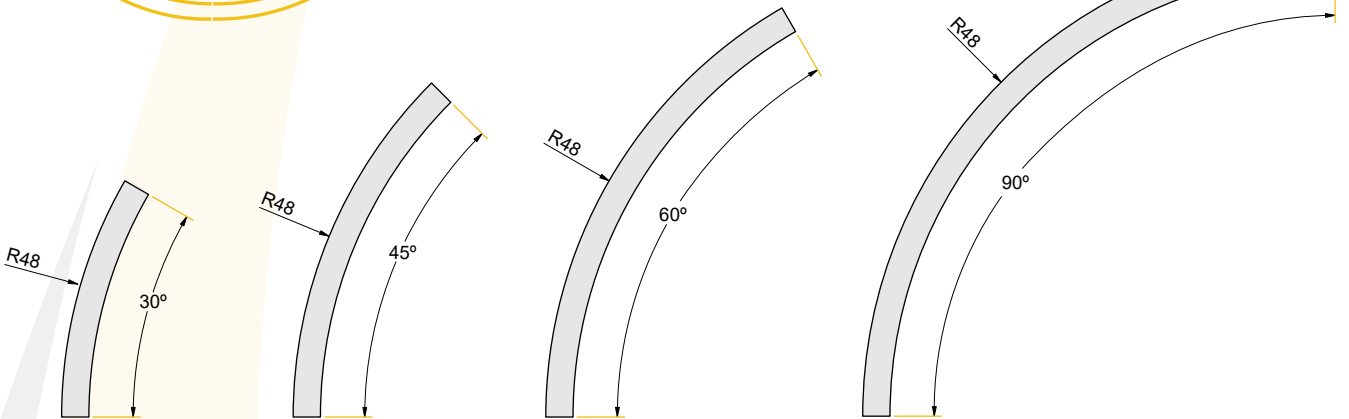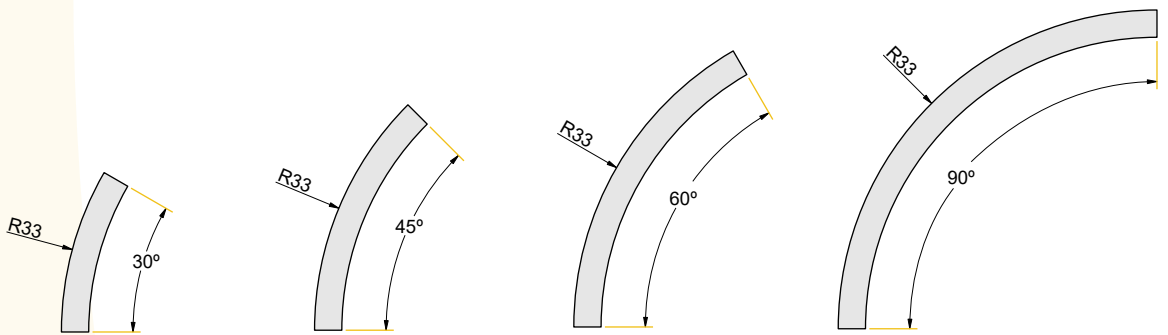
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LASSO SLOT
S3 - IP55

Standard Bend
Options

7.5° 7.5° 7.5° 7.5°
7.5°
7.5°
7.5°
7.5°

30°

Minimum 30° segment,
then each segment can be
increased in 7.5° increments.
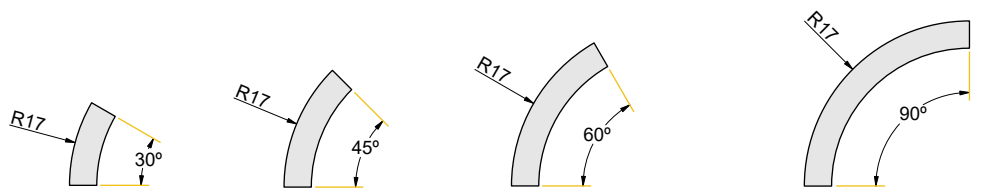Arc segments below
48R have remote drivers.

R48
30°

R48
45°

R48
60°

R48
90°

48R (48" Radius)

R33
30°

R33
45°

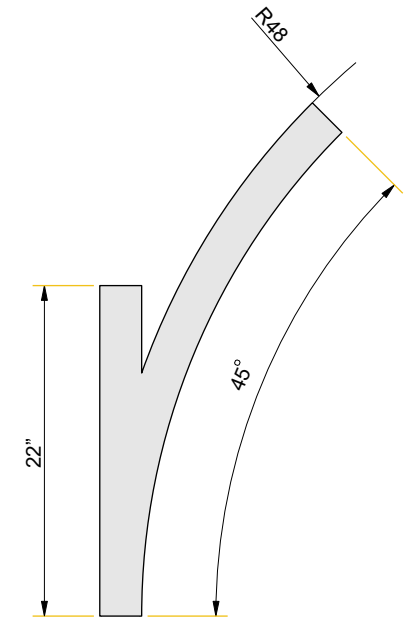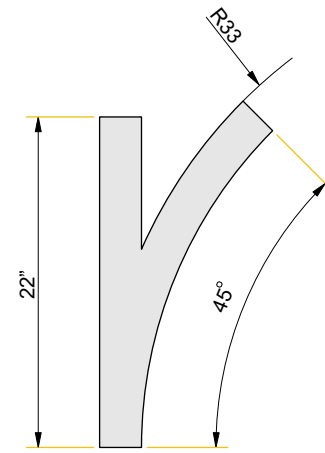R33
60°

R33
90°

33R (33" Radius)

R17
30°

R17
45°

R17
60°

R17
90°

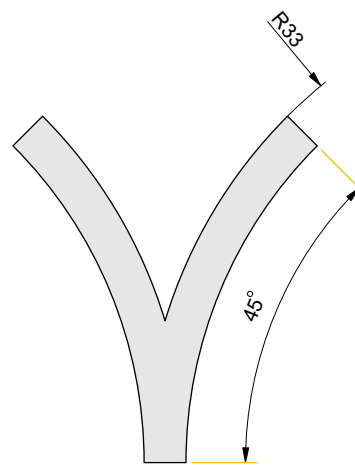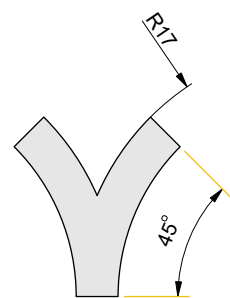**17R (17" Radius)**

*Other custom radii available on request

All radii bends can have integral drivers provided they ajoin a
straight section or are ≥ 48R

LASSO SLOT S3 - IP55

Standard Connections

R17 · 45° · 22"

R33 · 45° · 22"

R48 · 45° · 22"

Y Bends

R17 · 45°

R33 · 45°

R48 · 45°
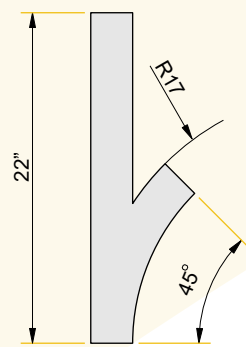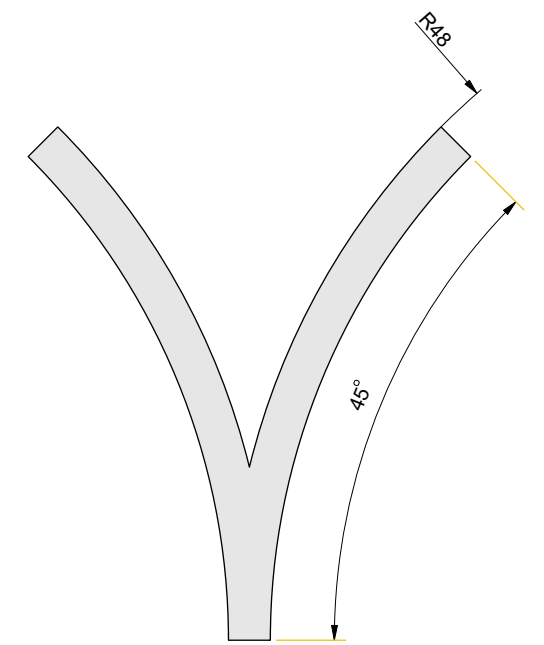
V Bends

*Other options available upon request.

Data Table

LASSO SLOT S3 - IP55					
LED Engine	**4ft Length**	**Luminous Flux (Standard) (Delivered Lumens)**	**MO 1900**	**HO 3500**	
	Standard	CRI	90+		
		Lumen Maint / Max-Min Outputs	82,000 Hours (L80 B10 @ 35º) / 198 Lms/Ft thru 1219 Lms/Ft		
	Lower CRI	CRI	80+		
		Lumen Maint / Max-Min Outputs	114,000 Hours (L90 B10 @ 50º) / 381 Lms/Ft thru 1265 Lms/Ft		
Warranty (Drivers)	Standard CRI (90+)		10 Years		
	Lower CRI (80+)		10 Years		
Electrical	Power Consumption		Between 6 and 14 W/Ft		
	Voltage input range		120 – 277V (UNV)		
	Controls		0-10 volts / Dali Control Gear / DMX / Dimmer switch /Constant light output / Motion sensor / Ripple free / Bluetooth mesh / Casambi control wireless system		
	Total harmonic distortion THD		9.8% max		
	Approvals / Certifications		UL / CE		
Physical	Dimensions		2.795" Wide X 3.937" High		
	Weight per Foot		2.68 lbs - average weight		
	Housing		Aluminium extrusion / powder-coated finish only		
	Diffuser		Frosted acrylic lens		
	Accessories		Various connection shapes available		
	Connections		Speed Connect Joining System with Polarized electrical connection between sections		
	Compatible ceiling type		Suitable for gyprock (drywall) ceilings, metal pan, concrete, timber and T-bar grid ceilings		
	Mounting		Cable (Single or Y-Type), Rigid Stem, Ceiling Mount		
	Bend Radii - (Inches)		17R / 33R / 48R as standard with custom radii available		
	Mitre Bend Options		Lit corner 90º / Cross 90º / Tee 90º / Straight 180º (No unlit)		
	Endplate Options		Flat or optional curved end plates.		
	Operating temperatures		Standard (90+ CRI) = - 25º C to 35º C (-13º F to 95º F) Lower CRI (80+ CRI) = -25º C to 50º C (-13º F to 140ºF)		
	Environment		IP55 rated - direct configuration. (Not in direct sunlight)		
	Minimum length adjustment		Standard (90+) = 0.984" Lower CRI (80+) = 0.0394"		
	LED Board types		90+ CRI: Boards in 1.97" / 11.02" / 22.04" lengths. (Zhaga compatible) 80+ CRI: Boards in 0.98" / 3.94" / 22.04" lengths. (Zhaga compatible)		
	Configurations		Direct (down) only		

A 7.50 ° arc = the industry's smallest arc adjustment.

Removable gear-tray for quick and simple 'single person' installation.

The curved endplate option with 'magnetic snap' offers you a contemporary choice for your next project.

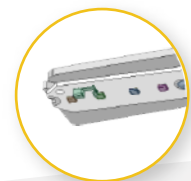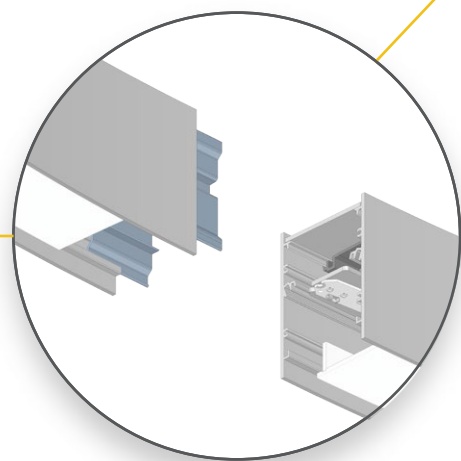Patented flat end plate is complete with 'magnetic snap' cover plate.

Leak free light system

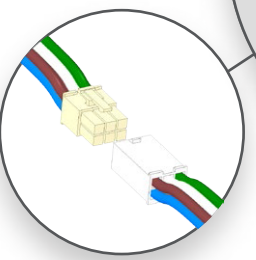There are no light leaks in the usual places like end plates, diffuser expansion gaps and at joints where two or more pieces are connected together. The light leak free system incorporates the Speed-Connect joining system along with innovative end plates to ensure no light leaks.

IP55

'Speed-Connect'

A fast, easy to assemble tool-less joining system that minimizes installation time, additional skilled labor and creates a light-leak free joint.
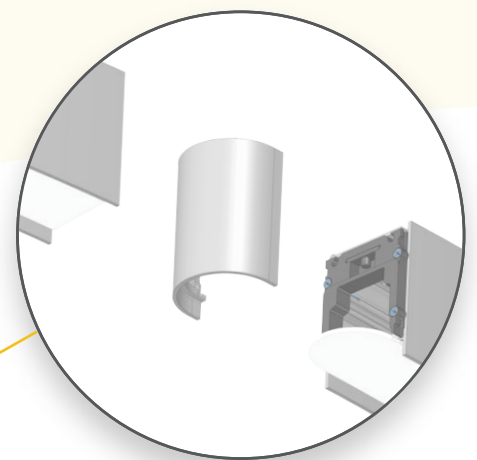
Removable Diffuser with magnetic retention location locks

Soft Wiring with quick-connect polarized plugs for easy interconnection of segments, making it the easiest curved profile on the market to install.
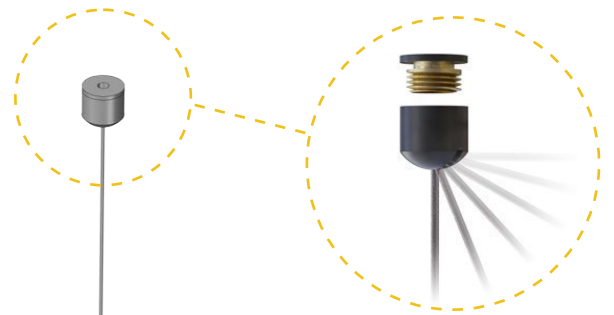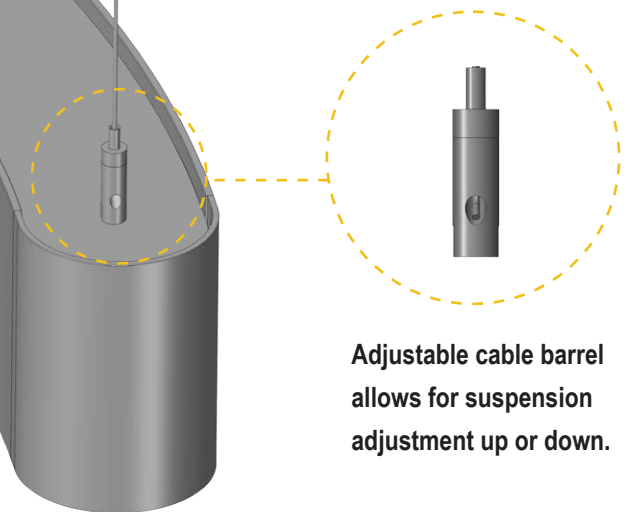
LASSO SLOT S3 - IP55

Fully Adjustable Cable/Rollerball Suspension

A smart suspension system that can be mounted on any ceiling, whether flat or sloped.

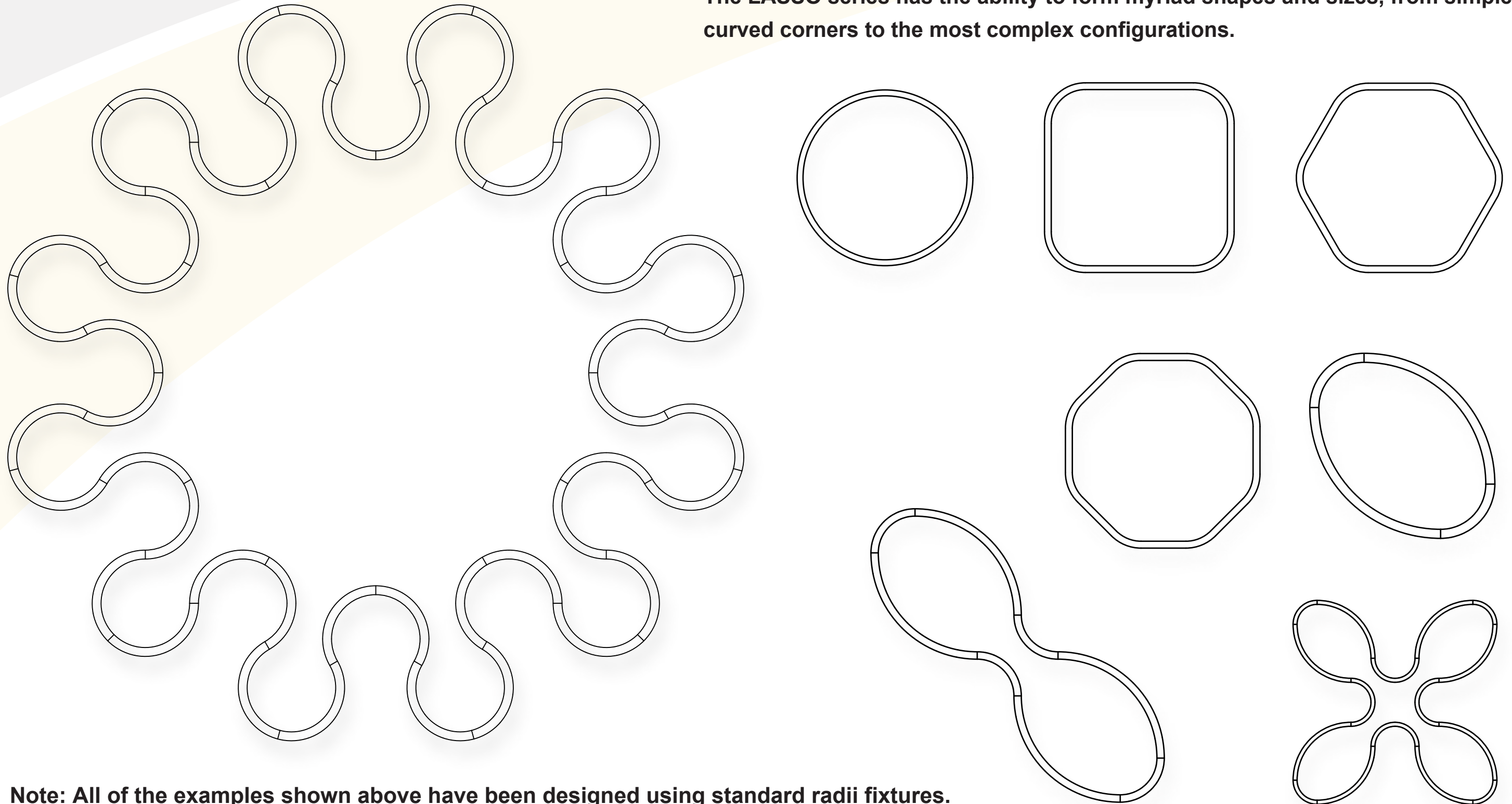Custom rollerball cable barrel allows fixture to hang plumb, even on sloped surfaces.

Adjustable cable barrel allows for suspension adjustment up or down.

LASSO SLOT S3 - IP55

Some examples of Shapes & Sizes

The LASSO series has the ability to form myriad shapes and sizes, from simple curved corners to the most complex configurations.

Note: All of the examples shown above have been designed using standard radii fixtures.