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A brand of  **legrand**

REV 05/24



# Solo Shapes





# Solo Shapes

Preconfigured or Custom Pendant/Ceiling

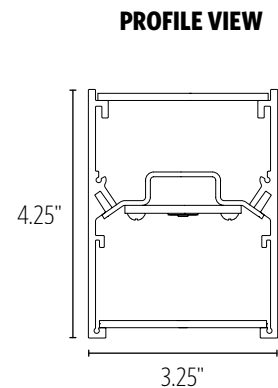
Shapeshifting architecture beyond the standard with preconfigured or custom user-configured luminaires using our popular and versatile Solo luminaire profile



## BEFORE YOU START: HERE ARE A FEW THINGS TO KNOW

### We Minimize Seams

Our team does its best to minimize or nearly eliminate seams, both in appearance and in number. The maximum linear length per body section until a seam is needed is 96". Seam placement may vary depending on the shape and size of the fixture.



### Standard or Custom Lumen & Wattage Output

We offer two standard lumen packages that match our Solo round standard fixture. You can find the wattage and lumens delivered in the chart to the right. We can also deliver custom lumen packages. Reach out to us and we'll work with you.

LUMENS & WATTAGE CHART		PER FOOT
LED1	LUMENS DELIVERED	800
	SYSTEM WATTAGE	10
LED2	LUMENS DELIVERED	1000
	SYSTEM WATTAGE	13

**CUSTOM LUMEN PACKAGES AVAILABLE**

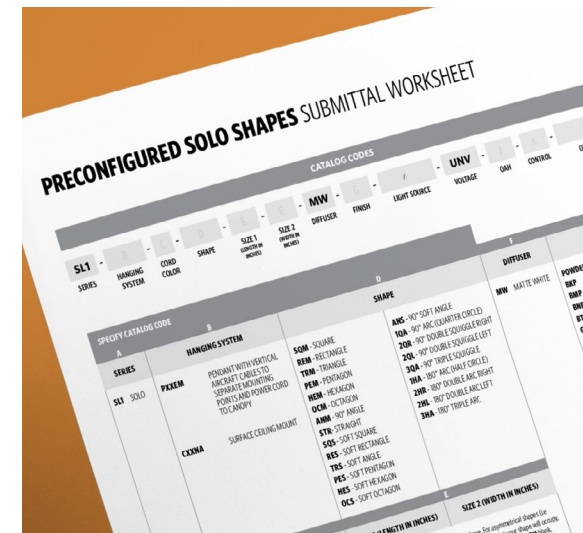
### Cables, Cords & Power

Linear lengths less than or equal to 36" will have 2 cable points (one at each seam or endpoint). Length greater than 36" will have 3 cable points (one at each seam and one in the middle of a seam) A power cord is placed approximately every 10'. You'll get a chance to review these placements on your drawing.

### Possibilities

This spec guide is just that... a guide. If you have an out-of-the-box idea that goes beyond what this guide allows for, let's chat and see what we can make happen!

## THE HOW TO: LET'S WALK THROUGH IT



### How To Submit Your Solo Shapes Configuration

#### OPTION 1: START HERE

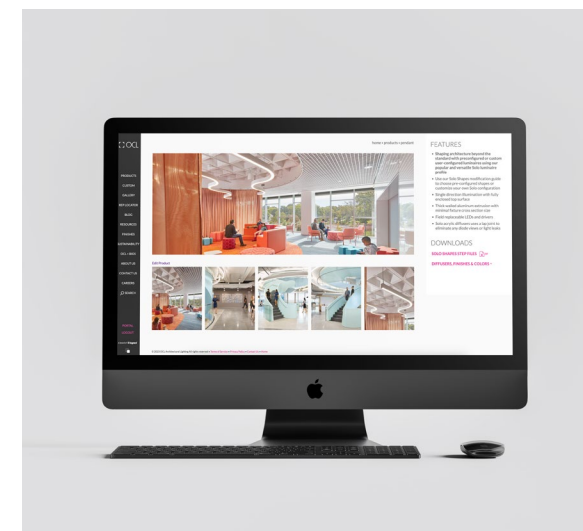
Choose your shape on the Preconfigured Submittal page and add your overall specs.

We'll do the heavy lifting and provide you with a drawing and/or quote for review and final approval.



#### OPTION 2: OR START HERE

Create your design on the Configuration Matrix on **Page 8**. Plug your spec - including your total linear inches - into the submittal worksheet, fire it off to [OCL-Quotes@ocl.com](mailto:OCL-Quotes@ocl.com), and **some bit of sorcery occurs**. Then we'll send a quote and drawing back to you to review.

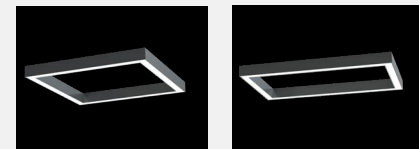


#### OPTION 3: OR EVEN HERE

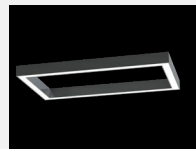
Head to our product page and use our downloadable STEP files to build your own custom fixture. Save the CAD assembly as a DXF or STEP (or another drawing style) file and **send it to OCL for review** at [OCL-Quotes@ocl.com](mailto:OCL-Quotes@ocl.com).

**A QUICK NOTE:** Our STEP files cover many, but not all possibilities for configuration. If you run into a challenge just reach out to us for help, or note it in your file.

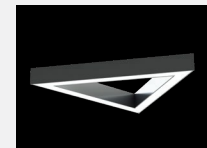
### STRAIGHTS & MITERED CORNERS



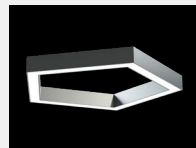
**SQM** - SQUARE (MITERED)



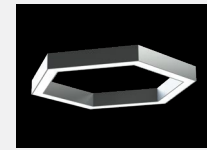
**REM** - RECTANGLE (MITERED)



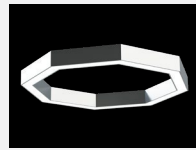
**TRM** - EQUILATERAL TRIANGLE (MITERED)



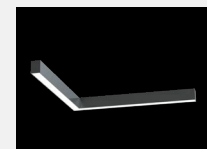
**PEM** - PENTAGON (MITERED)



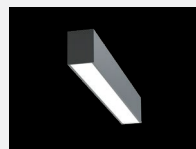
**HEM** - HEXAGON (MITERED)



**OCM** - OCTAGON (MITERED)



**ANM** - 90° ANGLE (MITERED)



**STR** - STRAIGHT

### SOFT CORNERS



**SQS** - SQUARE (SOFT)



**RES** - RECTANGLE (SOFT)



**TRS** - EQUILATERAL TRIANGLE (SOFT)



**PES** - PENTAGON (SOFT)



**HES** - HEXAGON (SOFT)



**OCS** - OCTAGON (SOFT)



**ANS** - 90° ANGLE (SOFT)

**A QUICK NOTE:**  
all soft corner shapes will have a 12" outside radius unless specified.

### CURVES, SQUIGGLES, & ELLIPSES



**1QA** - 90° ARC (QUARTER CIRCLE)



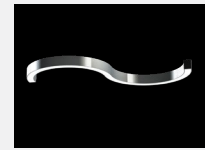
**2QR** - 90° DOUBLE SQUIGGLE RIGHT (SHOWN)  
**2QL** - 90° DOUBLE SQUIGGLE LEFT



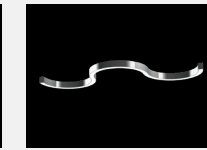
**3QA** - 90° TRIPLE SQUIGGLE



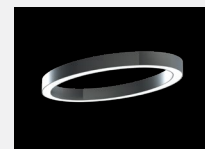
**1HA** - 180° ARC (HALF CIRCLE)



**2HR** - 180° DOUBLE ARC RIGHT (SHOWN)  
**2HL** - 180° DOUBLE ARC LEFT



**3HA** - 180° TRIPLE ARC



**ELP** - ELLIPSE



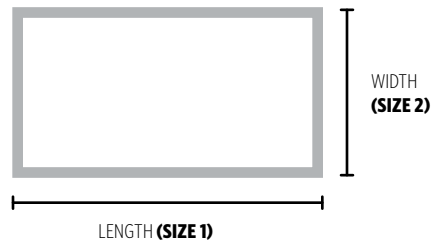
**RCT** - RACETRACK

## THE HOW TO: CALCULATING THE SIZE OF YOUR FIXTURE

**Here are some Guidelines.** You can put away the tape measure. Here's a little visual guide to help you calculate and spec the size of your fixture in the Preconfigured Submittal Worksheet. Squares, rectangles, angles, racetracks and ellipses will require two dimensions (**SIZE 1** & **SIZE 2**). Straights, angles, squiggles & arcs, and polygons will only require one dimension (**SIZE 1**). **NOTE:** diagrams are shown in a top-down plan view.

#### SQUARES, RECTANGLES, ANGLES & RACETRACK

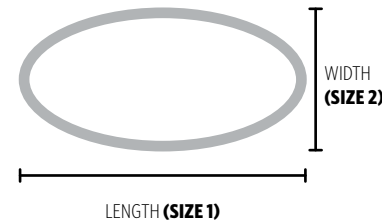
List your length (**SIZE 1**) and width (**SIZE 2**)



#### ELLIPSES

An ellipse is a bit trickier when it comes to dimensions. If the short side is too short, the extrusion can't be rolled to accommodate the radius.

**See chart to the right for guidelines on sizing.**



**NOTE:** Ellipses with tight turns on the short side like this example above are not possible. If you have questions about your dimensions, reach out to us.

ELLIPSE SIZE GUIDELINES	
LENGTH IN INCHES (SIZE 1)	MINIMUM WIDTH IN INCHES (SIZE 2)
60	43
72	47
84	51
96	54
108	58
120	61
132	64
144	66
156	69
168	72
180	74
192	77
204	79
216	81
228	83
240	85

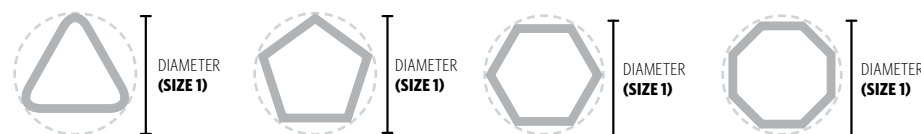
#### STRAIGHTS, ARCS, & SQUIGGLES

List your overall length (**SIZE 1**). For arcs and squiggles, width will be determined by your length and shown in your approval drawing.



#### TRIANGLES, PENTAGONS, HEXAGONS & OCTAGONS

List your length or diameter in (**SIZE 1**) as shown below See the dotted square bounding box for visual reference of your desired footprint.



PROJECT NAME: \_\_\_\_\_ TYPE: \_\_\_\_\_

QTY: \_\_\_\_\_

## PRECONFIGURED SOLO SHAPES SUBMITTAL WORKSHEET

### CATALOG CODES

<b>SL1S</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>E</b>	<b>MW</b>	<b>G</b>	<b>V</b>	<b>UNV</b>	<b>J</b>	<b>K</b>	<b>L</b>
SERIES	HANGING SYSTEM	CORD COLOR	SHAPE	SIZE 1 (LENGTH OR DIAMETER IN INCHES)	SIZE 2 (WIDTH IN INCHES)	DIFFUSER	FINISH	LIGHT SOURCE	VOLTAGE	OAH	CONTROL	OPTIONS

### SPECIFY CATALOG CODE

A	B	D	F	G
SERIES	HANGING SYSTEM	SHAPE	DIFFUSER	FINISH
SL1S SOLO	<b>PIEM</b> PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY  <b>CINA</b> SURFACE CEILING MOUNT	<b>SQM</b> SQUARE (MITERED) <b>REM</b> RECTANGLE (MITERED) <b>TRM</b> TRIANGLE (MITERED) <b>PEM</b> PENTAGON (MITERED) <b>HEM</b> HEXAGON (MITERED) <b>OCM</b> OCTAGON (MITERED) <b>ANM</b> 90° ANGLE (MITERED) <b>STR</b> STRAIGHT <b>SQS</b> SQUARE (SOFT) <b>RES</b> RECTANGLE (SOFT) <b>TRS</b> ANGLE (SOFT) <b>PES</b> PENTAGON (SOFT) <b>HES</b> HEXAGON (SOFT) <b>OCS</b> OCTAGON (SOFT)	<b>MW</b> MATTE WHITE	<b>POWDER COAT FINISHES</b> <b>BKP</b> BLACK <b>BMP</b> BRASS METALLIC <b>BNP</b> BRONZE <b>BTP</b> BLACK TEXTURED <b>GRP</b> GRAPHITE <b>GLP</b> GOLDTASTIC <b>MWP</b> MATTE WHITE <b>SGP</b> STEEL GRAY <b>SMP</b> SILVER METALLIC <b>SWP</b> SKY WHITE <b>WTP</b> WHITE TEXTURED  <b>PREMIUM METAL FINISHES</b> <b>BAL</b> BRUSHED ALUMINUM  <b>CUSTOM FINISHES</b> <b>RAL</b> _____ <b>OTHER</b> _____
		<b>ANS</b> 90° ANGLE (SOFT) <b>1QA</b> 90° ARC (QUARTER CIRCLE) <b>2QR</b> 90° DOUBLE SQUIGGLE RIGHT <b>2QL</b> 90° DOUBLE SQUIGGLE LEFT <b>3QA</b> 90° TRIPLE SQUIGGLE <b>1HA</b> 180° ARC (HALF CIRCLE) <b>2HR</b> 180° DOUBLE ARC RIGHT <b>2HL</b> 180° DOUBLE ARC LEFT <b>3HA</b> 180° TRIPLE ARC <b>RCT</b> RACETRACK <b>ELP</b> ELLIPSE		
C		E		
<b>CORD COLOR</b> <b>B</b> BLACK POWER CORD <b>W</b> WHITE POWER CORD		<b>SIZE 1</b> (LENGTH OR DIAMETER IN INCHES) Indicate <b>LENGTH/DIAMETER x WIDTH</b> for your chosen shape. Squares, rectangles, angles, racetracks and ellipses will require two dimensions ( <b>SIZE 1</b> & <b>SIZE 2</b> ). Straights, angles, squiggles & arcs, and polygons will only require one dimension ( <b>SIZE 1</b> ). See Page 6 for more details on calculating your fixture size.	<b>SIZE 2</b> (WIDTH IN INCHES)	

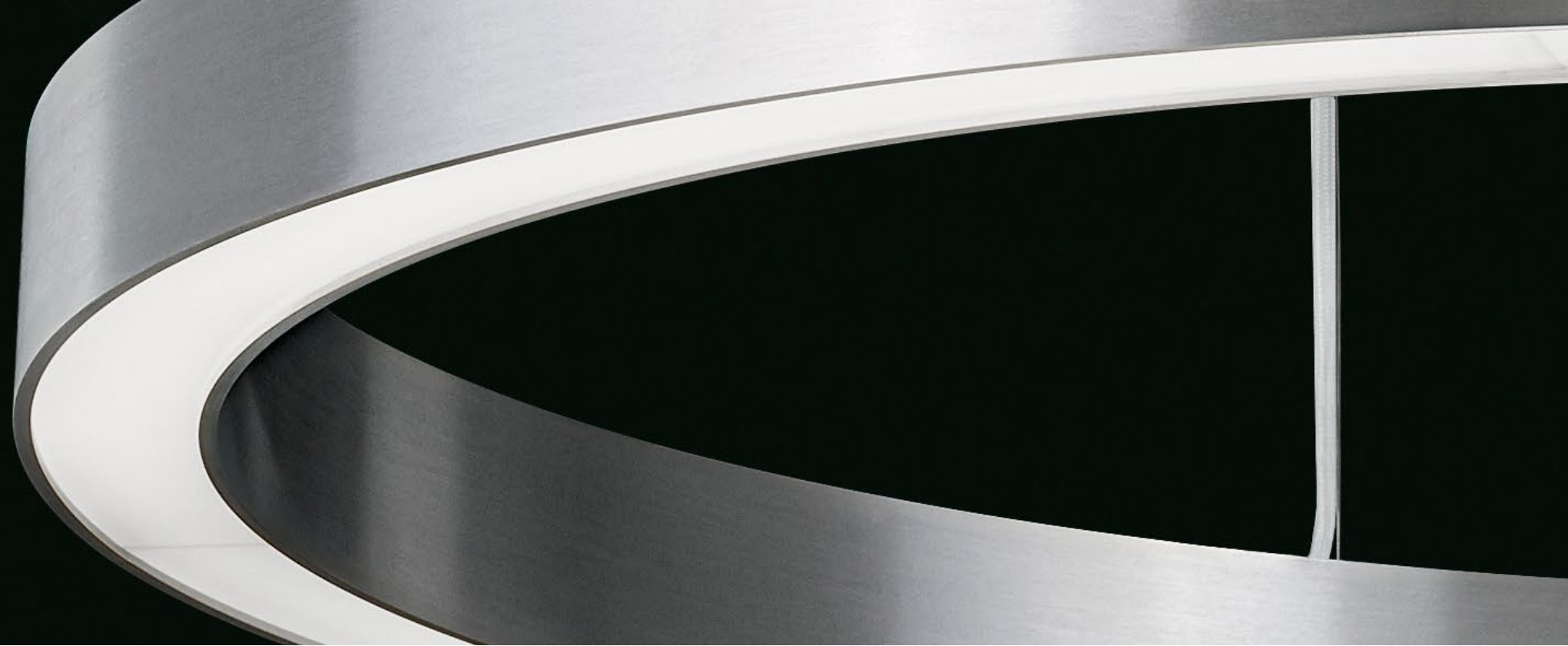
H	I	J	K	L	
LIGHT SOURCE	VOLTAGE	OAH*	CONTROL	OPTIONS	
<b>LED OUTPUT</b> <b>LED1</b> <b>LED2</b>	<b>COLOR TEMP</b> (80+ CRI) <b>27K</b> <b>30K</b> <b>35K</b> <b>40K</b>	<b>COLOR TEMP</b> (90+ CRI) <b>927K</b> <b>930K</b> <b>935K</b> <b>940K</b>	<b>UNV</b> 120-277  <b>NOTE:</b> LEAVE BLANK WITH <b>CINA</b>	<b>DM1</b> 0-10V DIMMING 1%	<b>ULD</b> DAMP LABEL <b>BIOS</b> BIOS SKYBLUE™ OR BIOS SKYBLUE™ DYNAMIC LIGHT ENGINE™ <b>MOD</b> MODIFIED LUMINAIRE (CONTACT LOCAL REP)

**SAMPLE CODE: SL1S-PXXEMW-SQM-36/48-MW-WTP-LED1/35K-UNV-100-DM1**

\*For Minimum OAH, see hanging systems details. PIEM will ship with one of three standard OAH's (48", 100" or 144") field adjustable to the desired height. Note our minimum OAH is 8".

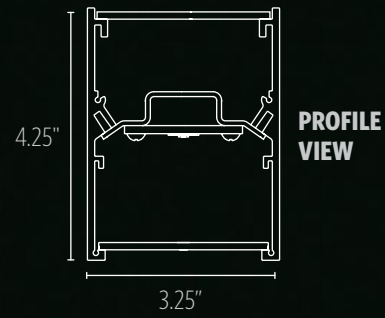
#### MODS, NOTES, & COMMENTS



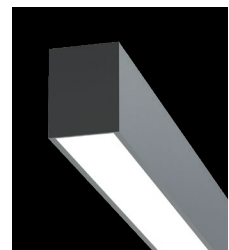


## About our Solo Profile

















Our Solo profile features a thick-walled aluminum extrusion and a minimal fixture cross section size with single direction illumination and a fully enclosed top surface. It utilizes LEDs and integral drivers that are easily field-replaceable. Our acrylic diffuser uses a lap joint to eliminate any diode views or light leaks.



## CUSTOM SOLO SHAPES ALL THE PARTS & PIECES (FOR OPTIONS 2 & 3)



### STRAIGHT LENGTHS

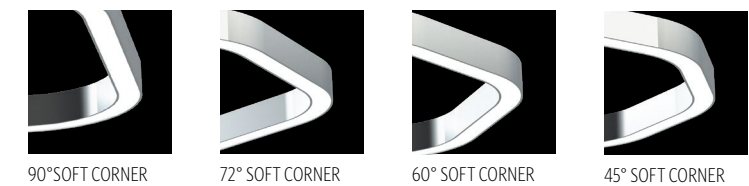
	
6" STRAIGHT	54" STRAIGHT
	
12" STRAIGHT	60" STRAIGHT
	
18" STRAIGHT	66" STRAIGHT
	
24" STRAIGHT	72" STRAIGHT
	
30" STRAIGHT	78" STRAIGHT
	
36" STRAIGHT	84" STRAIGHT
	
42" STRAIGHT	90" STRAIGHT
	
48" STRAIGHT	96" STRAIGHT

**NOTE:** For linear lengths greater than 36in, 3 cable points (one at each seam and one in the middle of a seam); For linear lengths Less than or equal to 36in, 2 cable points (one at each seam).

### SQUARE & RECTANGLES

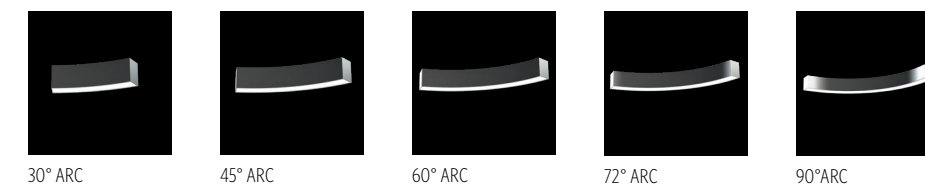


### SOFT SQUARES & RECTANGLES



**A QUICK NOTE:**  
Our corners are fully welded with no visible seams.

### CURVES & ELLIPSES



# CUSTOM SOLO SHAPES CONFIGURATION MATRIX

Let's see if we can make this easy.

Grab a pencil (or a pen if you're feeling confident). Use the dot grid below to sketch your configuration using the parts from the previous pages. Label your parts and lengths. We'll take your sketch and create a drawing for your review.

Project \_\_\_\_\_

Specifier \_\_\_\_\_

Total Linear Inches \_\_\_\_\_

**A REMINDER ON THE GUIDELINES** (...because the engineers asked us to): Linear lengths less than or equal to 36" will have 2 cable points (one at each seam or endpoint). Length greater than 36" will have 3 cable points (one at each seam and one in the middle of a seam) A power cord is placed approximately every 10'. All soft corner shapes will have a 12" radius unless specified. You'll get a chance to review everything on the drawing we send back.



PROJECT NAME: \_\_\_\_\_ TYPE: \_\_\_\_\_

QTY: \_\_\_\_\_

# CUSTOM SOLO SHAPES SUBMITTAL WORKSHEET

CATALOG CODES											
SL1S	B	C	CUS	E	MW	G	/	UNV	J	K	L
SERIES	HANGING SYSTEM	CORD COLOR	SHAPE	TOTAL LINEAR INCHES	DIFFUSER	FINISH	LIGHT SOURCE	VOLTAGE	OAH	CONTROL	OPTIONS

SPECIFY CATALOG CODE						
A	B	C	D	E	F	G
SERIES	HANGING SYSTEM	CORD COLOR	SHAPE	TOTAL LINEAR INCHES	DIFFUSER	FINISH
SL1S SOLO	<b>PIEM</b> PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY <b>NOTE:</b> POWER CORD WHITE UNLESS SPECIFIED  <b>CINA</b> SURFACE CEILING MOUNT	<b>B</b> BLACK POWER CORD <b>W</b> WHITE POWER CORD	<b>CUS</b> CUSTOM SHAPE	Calculate and enter the <b>TOTAL LINEAR INCHES</b> of your custom configuration.  An approximation is ok. We'll total it up when we create your approval drawing for final approval.	<b>MW</b> MATTE WHITE	<b>POWDER COAT FINISHES</b> <b>BKP</b> BLACK <b>BMP</b> BRASS METALLIC <b>BNP</b> BRONZE <b>BTP</b> BLACK TEXTURED <b>GRP</b> GRAPHITE <b>GLP</b> GOLDTASTIC  <b>PREMIUM METAL FINISHES</b> <b>BAL</b> BRUSHED ALUMINUM  <b>MWP</b> MATTE WHITE <b>SGP</b> STEEL GRAY <b>SMP</b> SILVER METALLIC <b>SWP</b> SKY WHITE <b>WTP</b> WHITE TEXTURED  <b>CUSTOM FINISHES</b> <b>RAL</b> _____ <b>OTHER</b> _____

H	I	J	K	L
LIGHT SOURCE	VOLTAGE	OAH*	CONTROL	OPTIONS
<b>LED OUTPUT</b> <b>LED1</b> <b>LED2</b>	<b>UNV</b> 120-277	<b>48</b> <b>100</b> <b>144</b>  <b>NOTE:</b> LEAVE BLANK WITH <b>CINA</b>	<b>DM1</b> 0-10V DIMMING 1%	<b>ULD</b> DAMP LABEL <b>BIOS</b> BIOS SKYBLUE™ OR BIOS SKYBLUE™ DYNAMIC LIGHT ENGINE** <b>MOD</b> MODIFIED LUMINAIRE (CONTACT LOCAL REP)

SAMPLE CODE: SL1S-PXXEMB-1280-MW-WTP-LED1/935K-UNV-100-DM1

## MODS, NOTES, & COMMENTS

## YOU'VE MADE IT THIS FAR... NOW WHAT?

You did the thing! Send it to [OCL-Quotes@ocl.com](mailto:OCL-Quotes@ocl.com). Here's what happens next...

- 1) We send you an email back acknowledging your outstanding custom design prowess. And maybe a question or two.
- 2) We wave our wand and a quote and approval drawing appear. Magic!
- 3) Then we'll send you both to review and approve.
- 4) You approve it! Success!**
- 5) Then our talented team makes it happen. And we gather around and Ooooo and Ahhhh at it when it's complete.