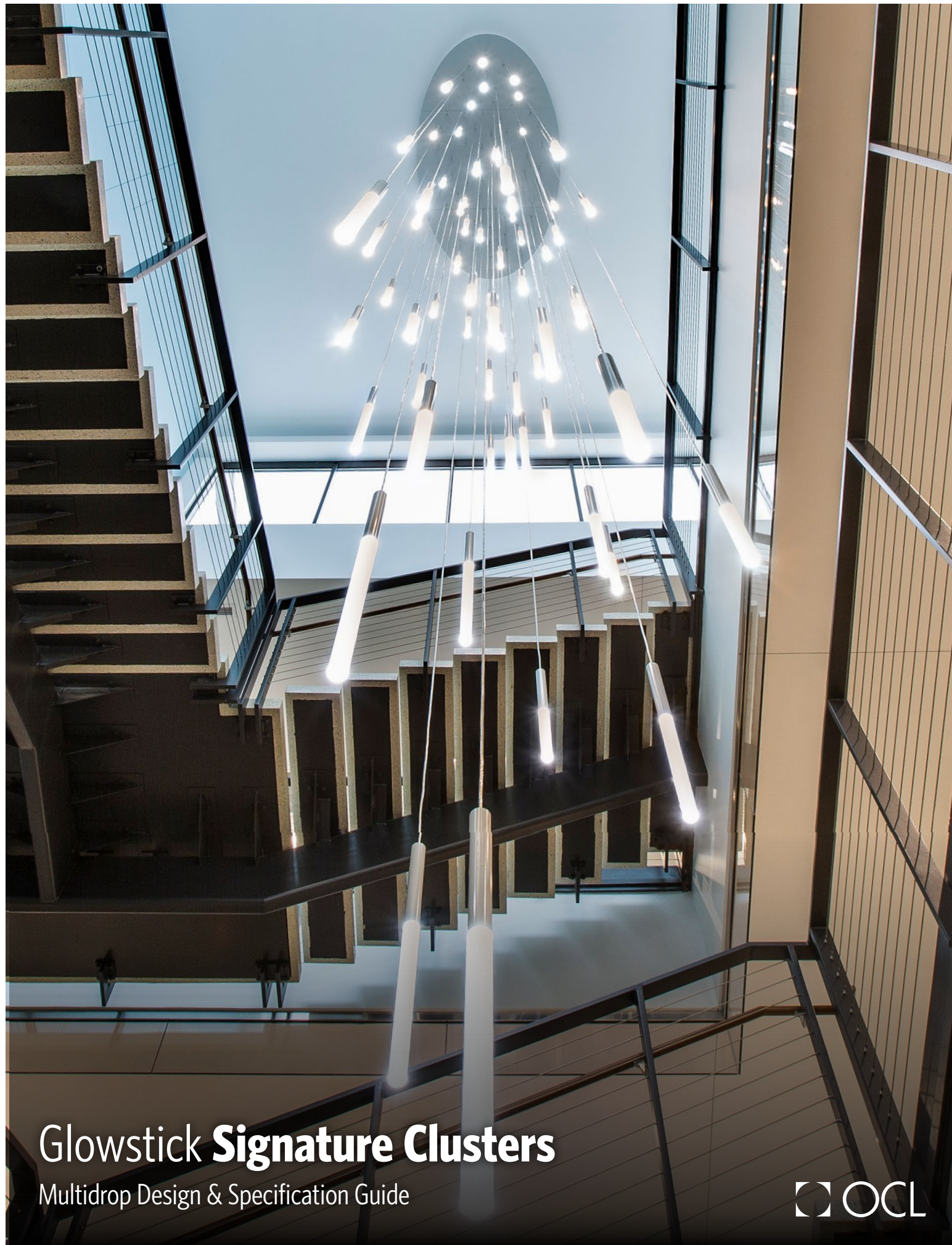




Glowstick **Signature Clusters**

Multidrop Design & Specification Guide



THE HOW TO: BUILDING YOUR PERFECT LOOK

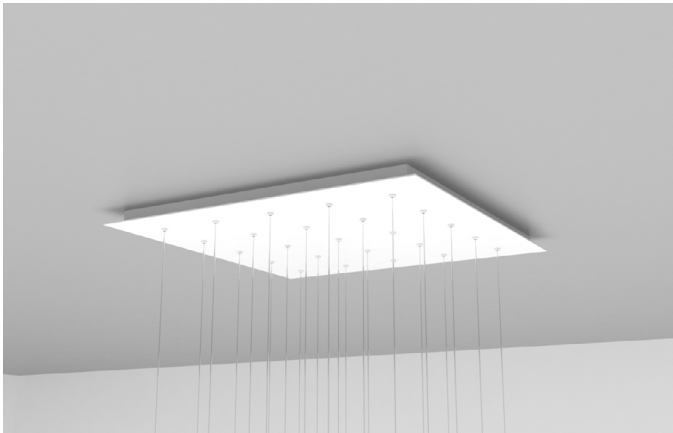
CHOOSING YOUR CANOPY TYPE & NUMBER OF DROPS

These are just a handful of starting points - you're not locked into these layouts. The number of drops and the size of your canopy will shape the overall look and feel. As a general rule, we recommend at least 2 drops per square foot of canopy. For a 24x24" (4 sq ft) panel, 6 drops is about the minimum. Want more impact? Add more drops. Want it more airy? Scale it back. It's totally up to you.

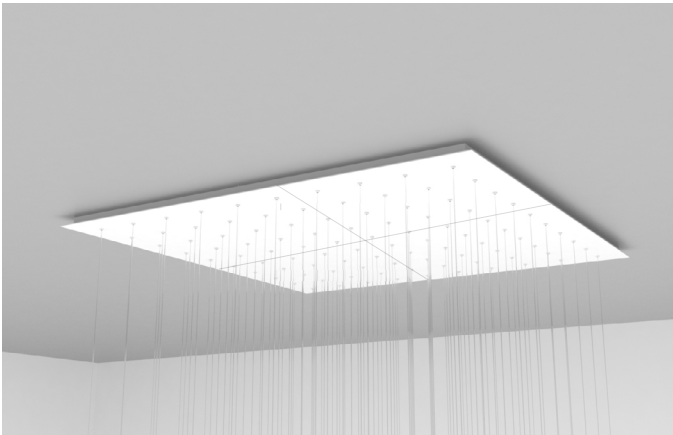
SQUARE CANOPIES



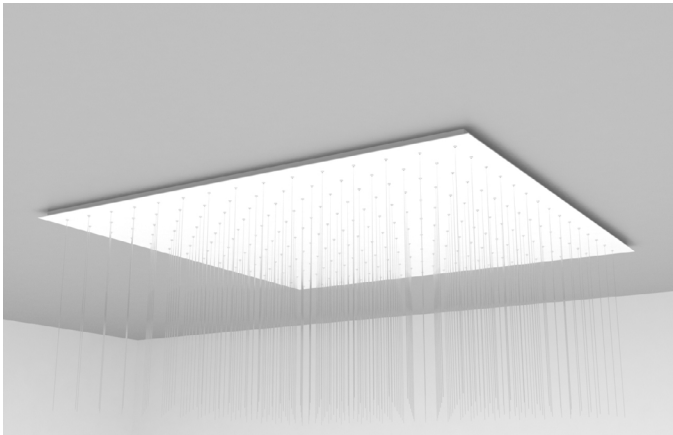
P6XX-S-SQM-24 SQUARE WITH 6 DROPS



P25XX-S-SQM-48 SQUARE WITH 25 DROPS



P100XX-S-SQM-96 SQUARE WITH 100 DROPS



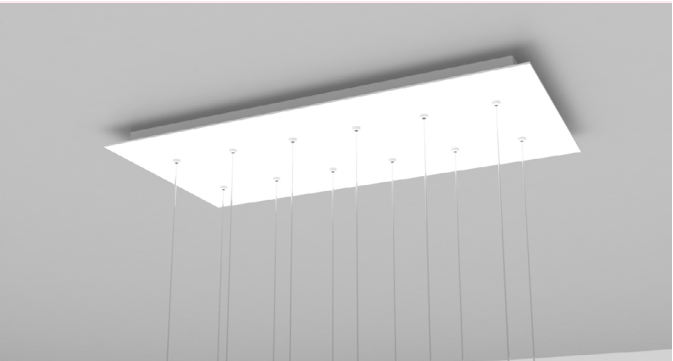
P225XX-S-SQM-144 SQUARE WITH 225 DROPS

Square Canopy Size & Drop Options				
Canopy Size	Area	Number of Panels	Shown # of Drops	Max Drops
24"x24"	4 sq. ft.	1	6	20
48"x48"	16 sq. ft.	1	25	100
96"x96"	64 sq. ft.	4	100	400
144"x144"	144 sq. ft.	9	225	900

RECTANGLE CANOPIES



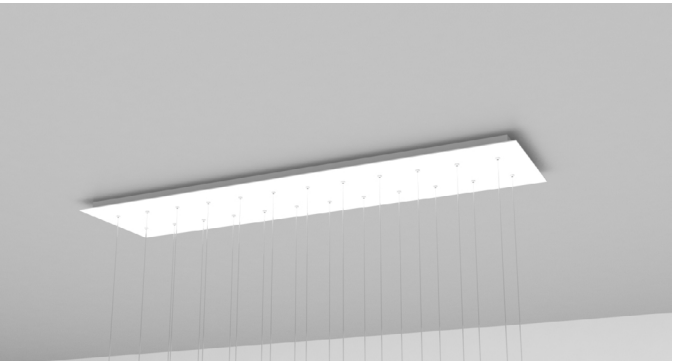
P10XX-S-REM-24/36 RECTANGULAR WITH 10 DROPS



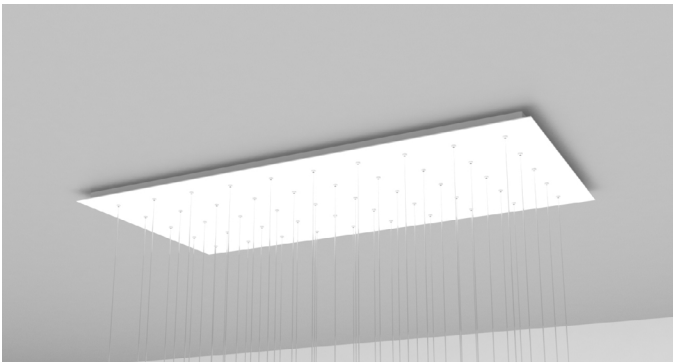
P12XX-S-REM-24/48 RECTANGULAR WITH 12 DROPS



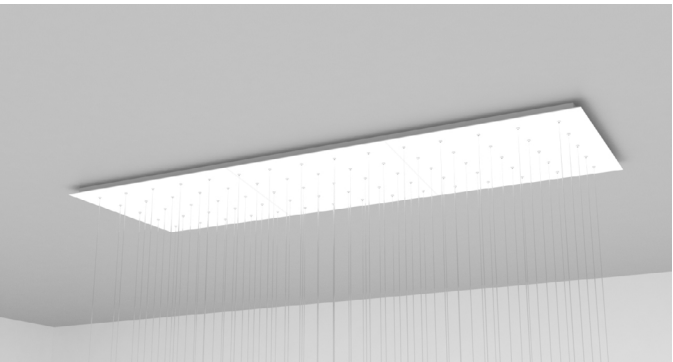
P18XX-S-REM-24/72 RECTANGLE WITH 18 DROPS



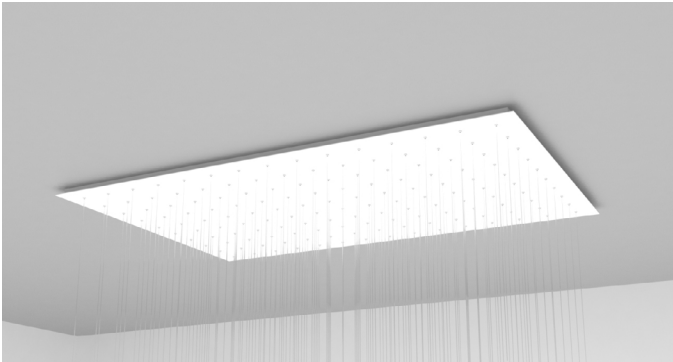
P24XX-S-REM-24/96 RECTANGLE WITH 24 DROPS



P50XX-S-REM-48/96 RECTANGULAR WITH 50 DROPS



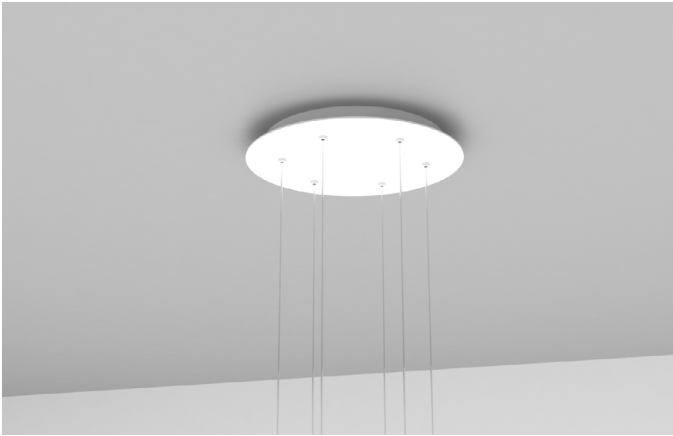
P75XX-S-REM-48/144 RECTANGULAR WITH 75 DROPS



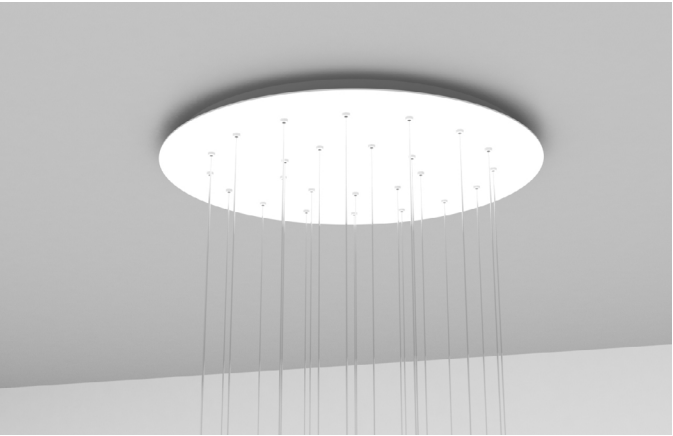
P150XX-S-REM-96/144 RECTANGLE WITH 150 DROPS

Rectangle Canopy Size & Drop Options				
Canopy Size	Area	Number of Panels	Shown # of Drops	Max Drops
24"x36"	6 sq. ft.	1	10	35
24"x48"	8 sq. ft.	1	12	50
24"x72"	12 sq. ft.	2	18	75
24"x96"	16 sq. ft.	2	24	100
48"x96"	32 sq. ft.	2	50	200
48"x144"	48 sq. ft.	3	75	300
96"x144"	96 sq. ft.	6	150	600

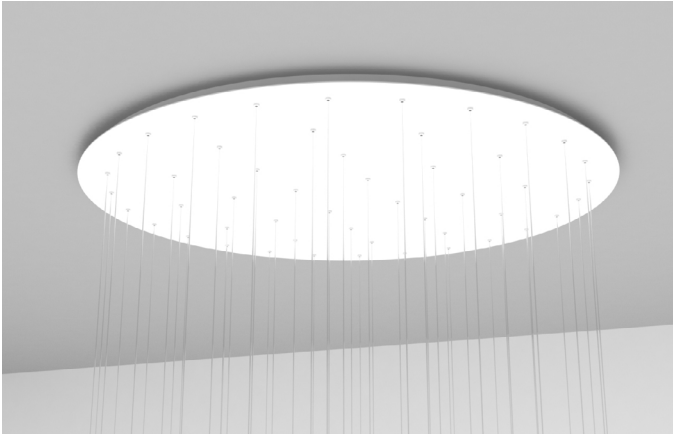
CIRCLE CANOPIES



P12XX-S-REM-24 CIRCLE WITH 12 DROPS



P50XX-S-REM-48 CIRCLE WITH 50 DROPS



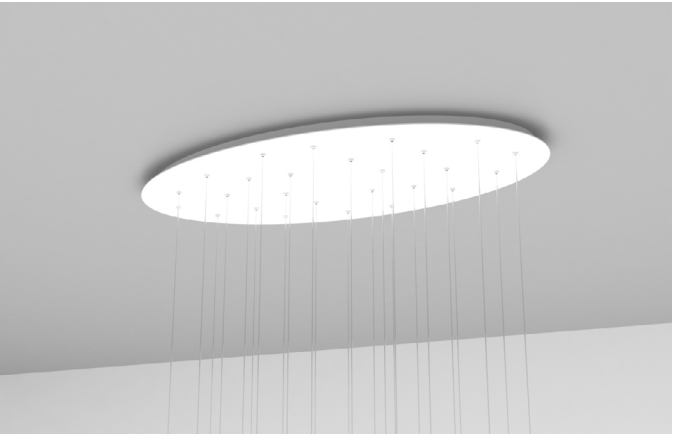
P50XX-S-REM-96 CIRCLE WITH 50 DROPS

Circle Canopy Size & Drop Options				
Canopy Size	Area	Number of Panels	Shown # of Drops	Max Drops
Ø24	3.14	1	6	19
Ø48	12.57	1	25	78
Ø96	50.27	4	50	314

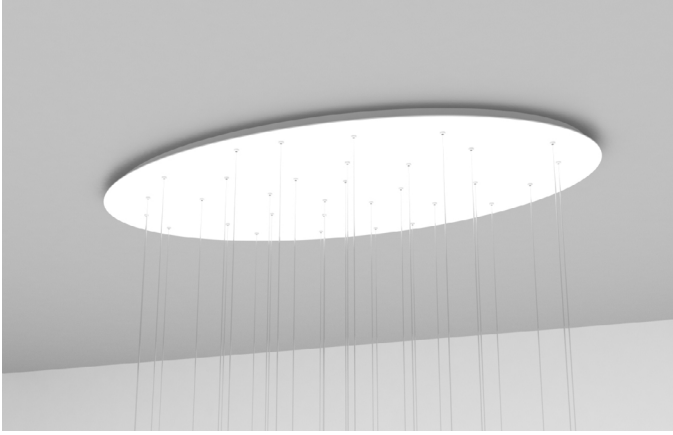
ELLIPSE CANOPIES



P14XX-S-ELP-24/36 ELLIPSE WITH 14 DROPS



P26XX-S-ELP-24/48 ELLIPSE WITH 26 DROPS



P32XX-S-ELP-60/96 ELLIPSE WITH 32 DROPS

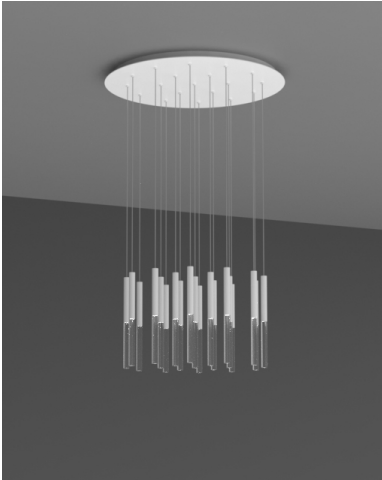
Ellipse Canopy Size & Drop Options				
Canopy Size	Area	Number of Panels	Shown # of Drops	Max Drops
36"x48"	4.71	1	14	49
48"x72"	6.28	1	26	97
60"x96"	9.42	2	32	193

THE HOW TO: BUILDING YOUR PERFECT LOOK

Some ideas!

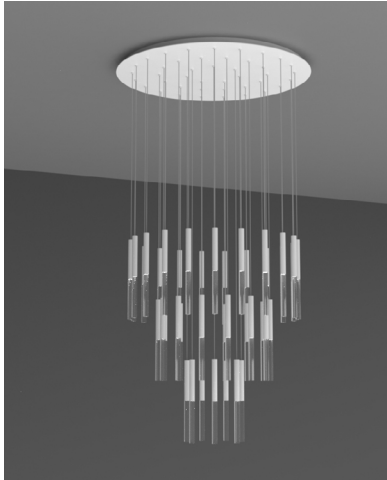
CHOOSING YOUR DROP PATTERN

The drop pattern sets the overall rhythm of your cluster—whether that’s a clean level line, a gentle wave, a dramatic swoop, or a more organic, random look. The examples shown here illustrate the general style, but the final appearance will be shaped by both the canopy size you choose and the number of drops it supports. The exact pattern for your project will be shown in the quote drawing you receive for review and approval.

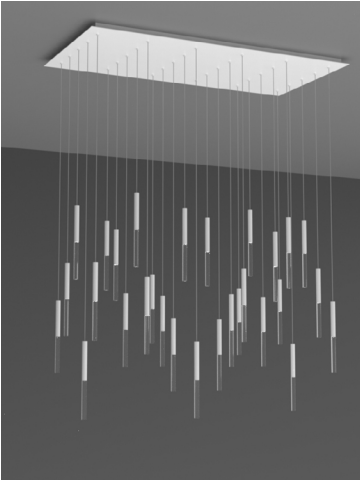


LVL LEVEL PATTERN

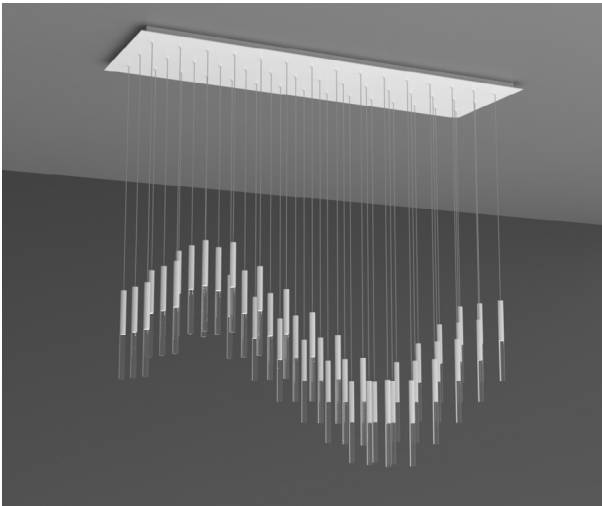
(NOTE: If you plan to field configure your drops, choose this pattern)



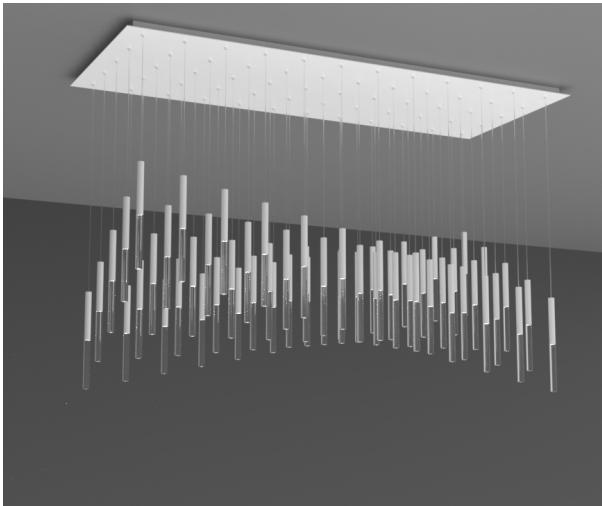
STP STEPPED PATTERN



RDM RANDOM PATTERN



WVE WAVE PATTERN



SWO SWOOP PATTERN

GO BEYOND THE PRESETS

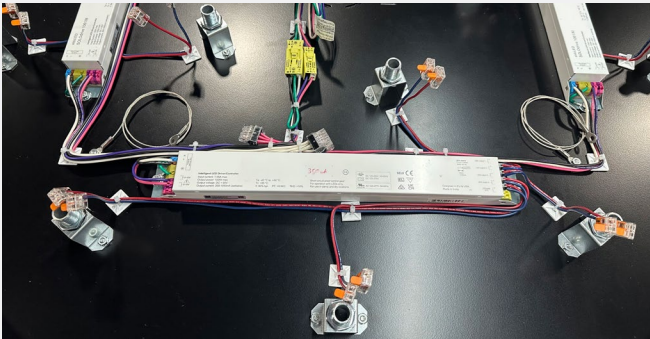
Every space tells its own story, and your cluster can too. While the Level, Stepped, Random, Wave, and Swoop patterns illustrate our most common configurations, you’re not limited to these examples. You can combine pattern styles, vary your drop lengths, or create a completely bespoke rhythm that responds to your architecture, sightline, or focal point.

To do this in the field, choose our Level (LVL) pattern at your longest overall height (OAH) to configure at install.

Or our design team will collaborate with you to fine-tune the arrangement and ensure your concept maintains balance, proportion, and visual flow. The result is a lighting composition that feels intentional, cohesive, and distinctly yours.

DESIGNED FOR PERFORMANCE, BUILT FOR LONGEVITY

Every Configured Cluster starts with a canopy engineered for both beauty and function. From the precision-machined aluminum body to the thoughtful details that simplify installation and maintenance, each element is manufactured to deliver lasting performance. With versatile finish options, integrated safety features, and installer-friendly access points, these canopies are designed to look exceptional — and work just as hard — for years to come.



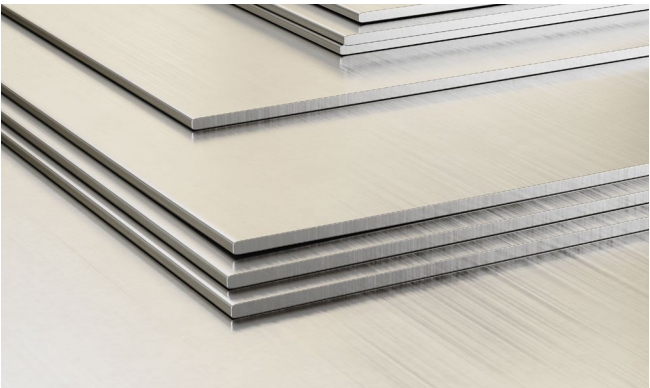
INSIDE THE CANOPY

The canopy is the workhorse - housing integral drivers, wire runs, and multiple mounting point options to the junction box. Service is simple: release the finials and lower the cover onto the integrated safety cables for hands-free support. Tool-free access means fast and safe field-serviceable maintenance and a clean close when you’re done.



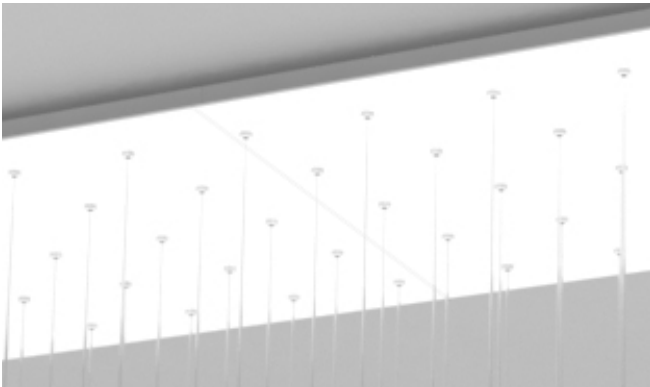
EDGE REVEAL

A 2" reveal elegantly frames the canopy, creating refined shadow definition and enhancing visual depth.



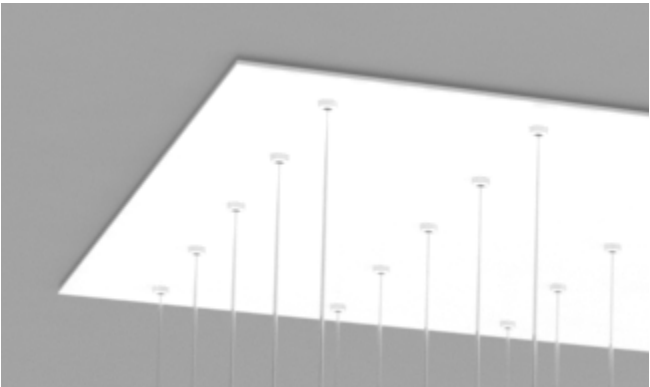
HIGH-GRADE ALUMINUM CONSTRUCTION

Crafted from high-grade aluminum, delivering superior strength, corrosion resistance, and a long-lasting powder coat finish.



CONNECTED CANOPIES, UNIFIED FORM

Multiple canopies connect in the field to create a unified canopy plane that is both expansive in scale and consistent in form. Interlocking edge details ensure precise alignment at install and prevent warping, preserving the clean geometry and visual flow of the overall cluster design.



RECESSED CANOPY FOR A CLEANER LOOK

Canopies can be recessed into a contractor-provided pocket (by others) for a flush, architectural look. Coordinate early with the GC to provide proper framing, anchorage, and a clear service path to drivers and connections. Let us know and we’ll create our drawings accordingly.

About our Glowstick™

Glowstick™ is a elegant and contemporary pendant that delivers a crisp, end-lit glow through its precision-machined aluminum body and clear acrylic rod diffuser. The result is a clean, minimalist form that radiates soft, balanced light along its length - creating subtle visual rhythm and architectural harmony.

It can be specified as a single pendant, in 3, 5, or 7-drop standard clusters, in a swag configuration we call Diverge, or in bespoke multi-drop configurations seen throughout this guide.

Glowstick’s slender, contemporary profile and luminous linearity make it a favorite among designers for composing elegant, modern installations — from intimate spaces to large-scale statements.



1.5"

Related Luminaires



GLOWSTICK™ PENDANT



GLOWSTICK™ CLUSTER



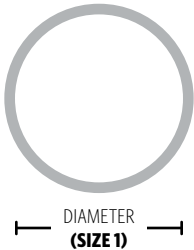
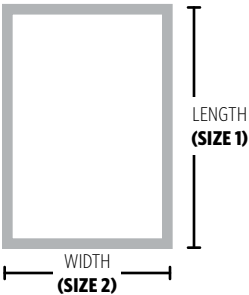
GLOWSTICK™ DIVERGE™

THE HOW TO: CALCULATING THE DIMENSIONS OF YOUR CANOPY

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 canopy. Squares, rectangles, and ellipses will require two dimensions (SIZE 1 & SIZE 2). Circles will only require one dimension for the diameter (SIZE 1). NOTE: diagrams are shown in a top-down plan view.

SQUARES, RECTANGLES, ELLIPSES

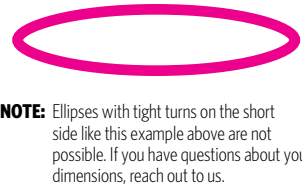
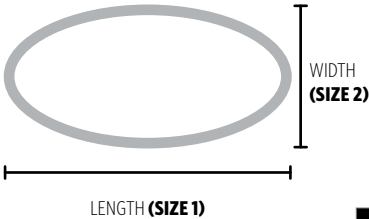
List your length (SIZE 1) and width (SIZE 2) for squares, rectangles or ellipses, and diameter (SIZE 1) for circles



A NOTE ABOUT ELLIPSES

An ellipse is a bit trickier when it comes to dimensions. If the short side is too short, the pan’s wall 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)
36	30
48	34
60	38
72	42
84	45
96	48



PROJECT NAME: _____ TYPE: _____

QTY: _____

GLOWSTICK SIGNATURE CLUSTER SUBMITTAL WORKSHEET



CATALOG CODES													
GS1C	-	P	B	XX	-	S	-	D	-	E	/	E	-
SERIES		HANGING SYSTEM				CORD COLOR		CANOPY SHAPE		SIZE 1 (LENGTH OR DIAMETER IN INCHES)		SIZE 2 (WIDTH IN INCHES; LEAVE BLANK FOR CIRCLES)	
												DROP PATTERN	
												DIFFUSER	
												FINISH	
												LED1 /	
												UNV	
												K	
												DMO	
												MOD	
													OPTIONS

SPECIFY CATALOG CODE							
A	B	C	D	E	F	G	H
SERIES	HANGING SYSTEM	CORD COLOR	CANOPY SHAPE	SIZE 1 / SIZE 2 (LENGTH OR DIAMETER IN INCHES / WIDTH IN INCHES)	DROP PATTERN	DIFFUSER	FINISH
GS1C GLOWSTICK	P__XX SPECIFY NUMBER OF DROPS	S SILVER BRAIDED POWER CORD	SQM RECTANGLE CANOPY REM CIRCLE CANOPY RND ELLIPSE CANOPY	List your length (SIZE 1) and width (SIZE 2) for squares, rectangles or ellipses. List diameter (SIZE 1) and leave (SIZE 2) blank for circles. See Page 10 for more details on calculating your canopy size.	LVL STP WVE SWO RDM CST Choose the Level (LVL) pattern at your longest overall height (OAH) to configure your pattern in the field.	CR 12" CLEAR ACRYLIC ROD NOTE: ADDITIONAL LENGTHS MAY BE SPECIFIED; CONTACT FACTORY	POWDER COAT FINISHES BKP BNP BTP GRP GLP MWP SGP SMP SWP WTP PREMIUM METAL FINISHES BAL CUSTOM FINISHES RAL OTHER

I	J	K	L	M
LIGHT SOURCE		VOLTAGE	OAH	CONTROL
LED OUTPUT LED1	COLOR TEMP (80+ CRI) 27K 30K 35K 40K	COLOR TEMP (90+ CRI) 927K 930K 935K 940K	UNV 120-277	SPECIFY IN INCHES (NOTE: MINIMUM OAH IS 54"; DROPS ARE FIELD ADJUSTABLE))
				DMO 0-10V DIMMING 10%
				MOD MODIFIED LUMINAIRE
SAMPLE CODE: GS1C-P36XXS-SQM-36/48-LVL-MW-BTP-LED1/935K-UNV-144-DM1-MOD				

MODS, NOTES, & COMMENTS

LUMENS & WATTAGE CHART		PER DROP
LED1	LUMENS DELIVERED	350
	SYSTEM WATTAGE	5
CUSTOM LUMEN PACKAGES AVAILABLE		

WHY WE USE 10% DIMMING IN OUR CLUSTERS

Efficient Driver Clusters: Design Simplicity & Cost Savings

By offering a fixed 10 % minimum dimming level for multi-drop clusters, OCL enables specifiers to harness the full aesthetic and functional benefits of multi-point lighting while simplifying design. A single constant-voltage driver powers multiple drops within the canopy, eliminating the need for individual drivers at each pendant. This streamlined approach reduces component count, simplifies installation, shortens project timelines, and directly reduces cost.

A Practical Tradeoff: 10 % Dimming for Driver Simplicity

We recognize that 1 % dimming is often preferred in architectural lighting design, especially in projects emphasizing maximum flexibility for mood and scene control. However, for multi-drop clusters where several luminaires are powered from a shared canopy, achieving ultra-low dimming while maintaining uniform performance would require complex multi-driver solutions, increasing both cost and production time. By standardizing at 10 % dimming, we strike a practical balance that delivers smooth, consistent performance with simpler and more efficient driver configurations. This approach streamlines manufacturing and keeps budgets in check without compromising quality or visual elegance.

Consistent Performance, Premium Experience

Even with a 10 % floor, these luminaires deliver smooth, reliable dimming from full brightness down to a gentle glow. Light levels transition evenly and maintain visual consistency across the entire installation, ensuring that every fixture behaves as part of a cohesive whole. The result is lighting that feels intentional, balanced, and comfortable, supporting both the visual and emotional tone of the space. Whether used in small groupings or large-scale compositions, dimming remains seamless and predictable, reinforcing the premium experience of our signature clusters.

Scalable, Customizable, Well-Engineered

With multiple drops powered from a single canopy plate, our clusters support large installations with fewer electrical connections. The constant-voltage system ensures uniform dimming across all points, eliminating mismatched drivers or inconsistent behavior. By making this configuration standard, OCL empowers specifiers to confidently design creative, multi-drop lighting installations that are cost-effective, easy to implement, and visually striking.

This thoughtful balance of performance, simplicity, and visual quality reflects OCL’s commitment to purposeful design. By prioritizing what matters most in real-world applications, we create lighting solutions that are as reliable behind the ceiling as they are beautiful beneath it.



THE DRAWING BOARD CONFIGURE YOUR CLUSTER

Feeling creative? 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. Label your dimensions and drop heights. We'll take your sketch and create a drawing for your review.

[illegible]

Testing... 1... 2... 3...

[illegible]



11902 Lackland Road · St. Louis, Missouri 63146 · P 314.863.1895
Detailed specification information available at ocl.com

OCL©2025 | all rights reserved



A brand of  **legrand**

REV 07/25