



Glowstick **Signature Clusters**



Transforming architectural spaces with the refined glow and modern edge of Glowstick luminaires - slender, sculptural, and designed for effortless composition or bold, custom expression.

BEFORE YOU START: HERE ARE A FEW THINGS TO KNOW

We Use 10% Dimming In Our Clusters

OCL's multi-drop Glowstick Clusters use a streamlined **constant voltage driver system** to power multiple pendants from a single driver - reducing components, simplifying installation, and mitigating costs. While fixed at 10% minimum dimming, this approach delivers smooth, consistent performance across all drops with a clean, cohesive look. It's a practical tradeoff that balances design flexibility with budget-conscious efficiency. Learn more about the benefits of our driver choice on page 13 of this guide.

Lumen & Wattage Output

To support multiple pendants on a single constant voltage driver, we reduce the wattage and lumen output per drop in cluster configurations. Instead of 11 watts and 825 lumens like a single Glowstick pendant, each drop in a cluster runs at 5 watts and 350 lumens - ensuring consistent, reliable performance across the entire fixture.

Canopy Sizes

Our canopy <u>section</u> sizes are limited by standard sheet metal dimensions - typically 48" x 48" - so anything larger is fabricated as multiple sections, butted edge-to-edge to form a single, continuous canopy. Each canopy includes a 2" draw from the housing pan to the cover plate, allowing room for mounting and electrical connections.

When larger layouts call for multiple canopy sections, our team uses their technical and fabrication expertise to determine the most efficient and visually seamless approach. We carefully coordinate mounting, alignment, and drop spacing to ensure the final installation appears as one cohesive, unified system. You'll get a chance to review all of this on your quote drawing

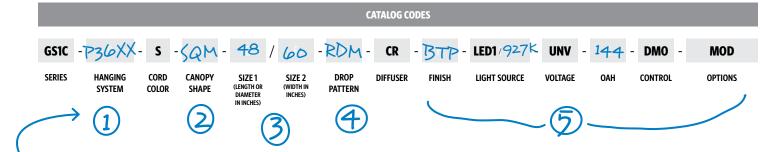
Possibilities

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. (Maybe we already have!)



Declare.

THE HOW TO: LET'S WALK THROUGH CONFIGURING YOUR CLUSTER



1) Decide Your Number of Drops

Enter your number of drops as part of the hanging system SKU **P[numer of drops] XX**. We recommend a **minimum 2 drops and a maximum of about 6 drops per square foot** (You may be limited on the number of drops depending on your shape, size and configuration). We've included some preconfigured examples on Pages 4-7 of this guide.

2) Choose a Shape

Use **SQM** for squares or **REM** rectangles; **RND** for circles or **ELP** ellipses.

3) Calculate Your Canopy Size

Specify your desired canopy size (minimum 24" x 24"). More detailed guidance for calculating sizes can be found on page 10 of this guide.

Individual canopy panels are limited to a maximum of 48" x 48". For example, a 48" x 48" panel will be produced at 47.5" X 47.5" to align with variances in sheet metal stock, simplify fabrication, and make shipping, handling, and installation more manageable.

For canopy sizes larger than 48" x 48", we manufacture the canopy from multiple joined panels, giving you flexibility in overall dimensions while maintaining practicality in fabrication and installation."

74) Pick a Drop Pattern

From Level **(LVL)** to Random **(RAN)**, the possibilities are endless with the pattern of your drops. We've included some possibilities on page 8 of this guide. Keep in mind the size of your canopy and number of drops will visually affect how your drop pattern looks. You'll get a chance to review and make revisions when you get your quote drawing.

5) Finish the Rest of Your Spec

You know the rest. Pick your powder coat finish, your color temperature, and your overall hanging height (field adjustable, by the way)

*6) Need Room to Show Your Work?

Use the grid on pages 14 and 15 to sketch out your cluster. You can include overall canopy dimension, numbers of drops, and even indicate each drop height if you'd like. Submit your sketch with your quote request.

YOU'VE MADE IT THIS FAR. WHAT'S NEXT?

You configured your cluster! Send it to us at OCL-Quotes@ocl.com. Here's what happens when we get it.

- 1) In a world where bespoke lighting reigns supreme... you send us your bold idea. We're instantly impressed and we might follow up with a few plot-thickening questions.
- 2) The suspense builds... and then, the twist: a quote and approval drawing appear out of thin air!
- 3) We send them your way for review cue the dramatic soundtrack.
- 4) You review and approve it. The crowd goes wild!
- Approved!!!

5) Our production team rolls camera and action - crafting your masterpiece while we all bask in the glow of your cinematic-level vision.

THE HOW TO: BUILDING YOUR PERFECT LOOK

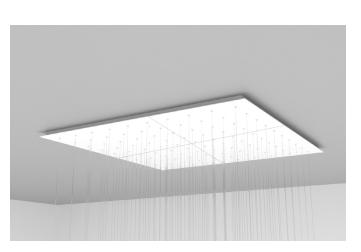
CHOOSING YOUR CANOPY TYPE & NUMBER OF DROPS

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



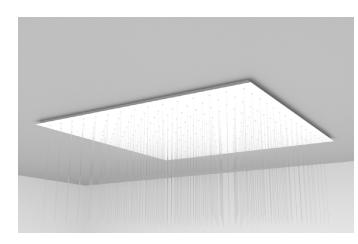
P6XX-S-SQM-24 SQUARE WITH 6 DROPS



P100XX-S-SQM-96 SQUARE WITH 100 DROPS



P25XX-S-SQM-48 SQUARE WITH 25 DROPS



P225XX-S-SQM-144 SQUARE WITH 225 DROPS

Squar	e Canop	y Size & E	Prop Opt	ions
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



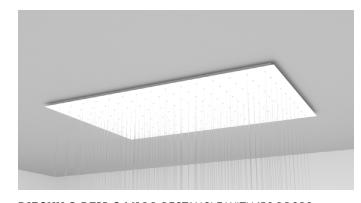
P10XX-S-REM-24/36 RECTANGULAR WITH 10 DROPS



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



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



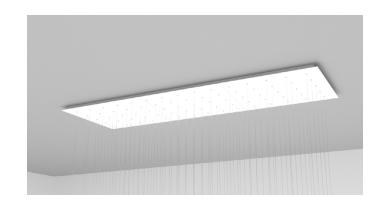
P150XX-S-REM-96/144 RECTANGLE WITH 150 DROPS



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



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



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

ELLIPSE CANOPIES



P12XX-S-REM-24 CIRCLE WITH 12 DROPS



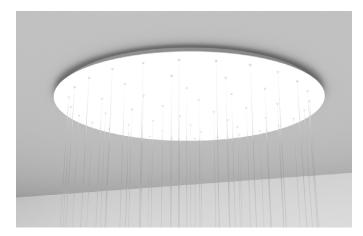
P50XX-S-REM-48 CIRCLE WITH 50 DROPS



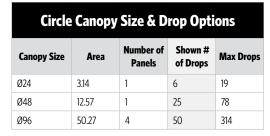
P14XX-S-ELP-24/36 ELLIPSE WITH 14 DROPS



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



P50XX-S-REM-96 CIRCLE WITH 50 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.

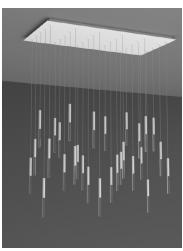


LVL LEVEL PATTERN

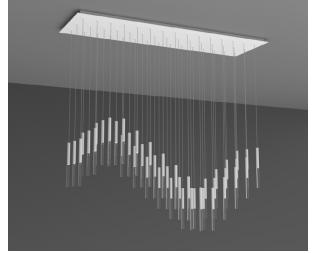
(NOTE: If you plan to field configure your drops, choose this pattern)



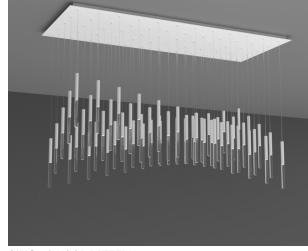
STP STEPPED PATTERN



RDM RANDOM PATTERN



WVE WAVE PATTERN



SWO SWOOP PATTERN

GO BEYOND THE PRESETS

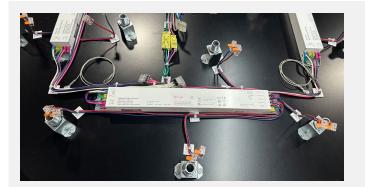
Every space tells its own story, and your cluster can too. While the Level, Stepped, Random, Wave, and Swoop patterns illustrate our most common configurations, you're not limited to these examples. You can combine pattern styles, vary your drop lengths, or create a completely bespoke rhythm that responds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



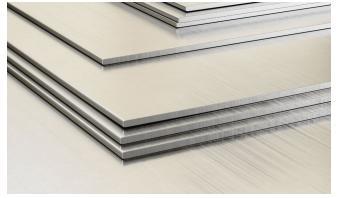
INSIDE THE CANOPY

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.



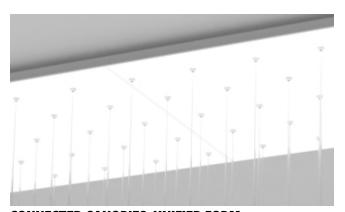
EDGE REVEAL

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



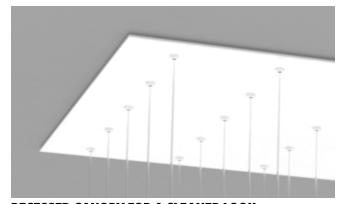
HIGH-GRADE ALUMINUM CONSTRUCTION

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.

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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.

Related Luminaires ----->





1.5"

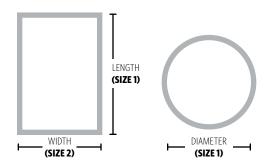


THE HOW TO: CALCULATING THE DIMENSIONS OF YOUR CANOPY

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

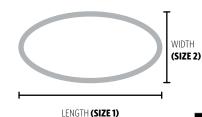
List your length (**SIZE 1**) and width (**SIZE 2**) for squares, rectangles or ellipses, and diameter (**SIZE 1**) for circles



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.

COIDELINES
MINIMUM WIDTH IN INCHE (SIZE 2)
30
34
38
42
45
48



HANGING

SYSTEM

CANOPY

SHAPE

CORD

COLOR

SIZE 1

(LENGTH OR DIAMETER

GS1C

SERIES

PROJECT NAME: ______ TYPE

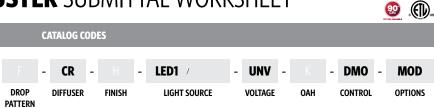
OTY:

GLOWSTICK SIGNATURE CLUSTER SUBMITTAL WORKSHEET

SIZE 2

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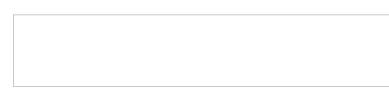


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SERIES	HANGING SYSTEM	CORD COLOR	CANOPY SHAPE	SIZE 1 / SIZE 2 (LENGTH OR DIAMETER IN INCHES / WIDTH IN INCHES)	DROP PATTERN	DIFFUSER	FINISH
GS1C GLOWSTICK	PXX SPECIFY NUMBER OF DROPS	S SILVER BRAIDED POWER CORD	SQM SQUARE CANOPY REM RECTANGLE CANOPY RND CIRCLE CANOPY ELP 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 LEVEL PATTERN STP STEPPED PATTERN WVE WAVE PATTERN SWO SWOOP PATTERN RDM RANDOM PATTERN CST CUSTOMER SPECIFIED PATTERN 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 BLACK BMP BRASS METALLIC BNP BRONZE BTP BLACK TEXTURED GRP GRAPHITE GLP GOLDTASTIC MWP MATTE WHITE SGP STEEL GRAY SMP SILVER METALLIC SWP SKY WHITE WTP WHITE TEXTURED PREMIUM METAL FINISHES BAL BRUSHED ALUMINUM CUSTOM FINISHES RAL OTHER

_	LIGHT SOURCE		VOLTAGE	OAH		CONTROL	M OPTIONS			
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



LUME	NS & WATTAGE CHART	PER DROP						
LEDI	LUMENS DELIVERED	350 5						
LED1	SYSTEM WATTAGE							
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.



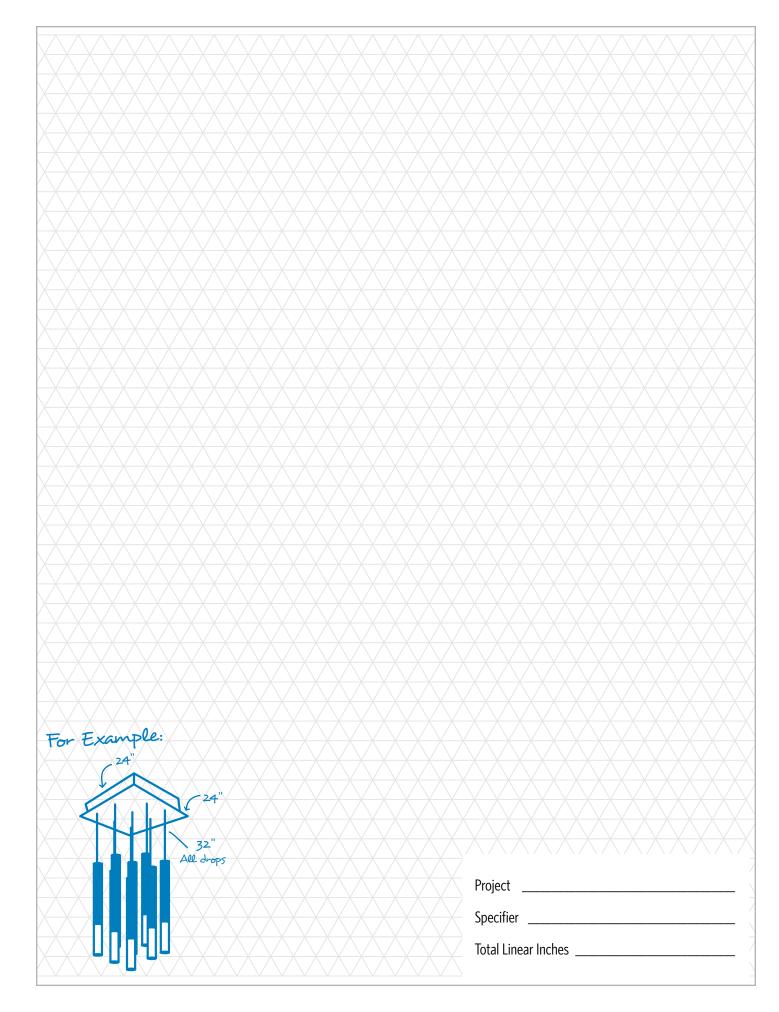
THE DRAWING BOARD CONFIGURE YOUR CLUSTER

Feeling creative? Let's see if we can make this easy.

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

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.

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





