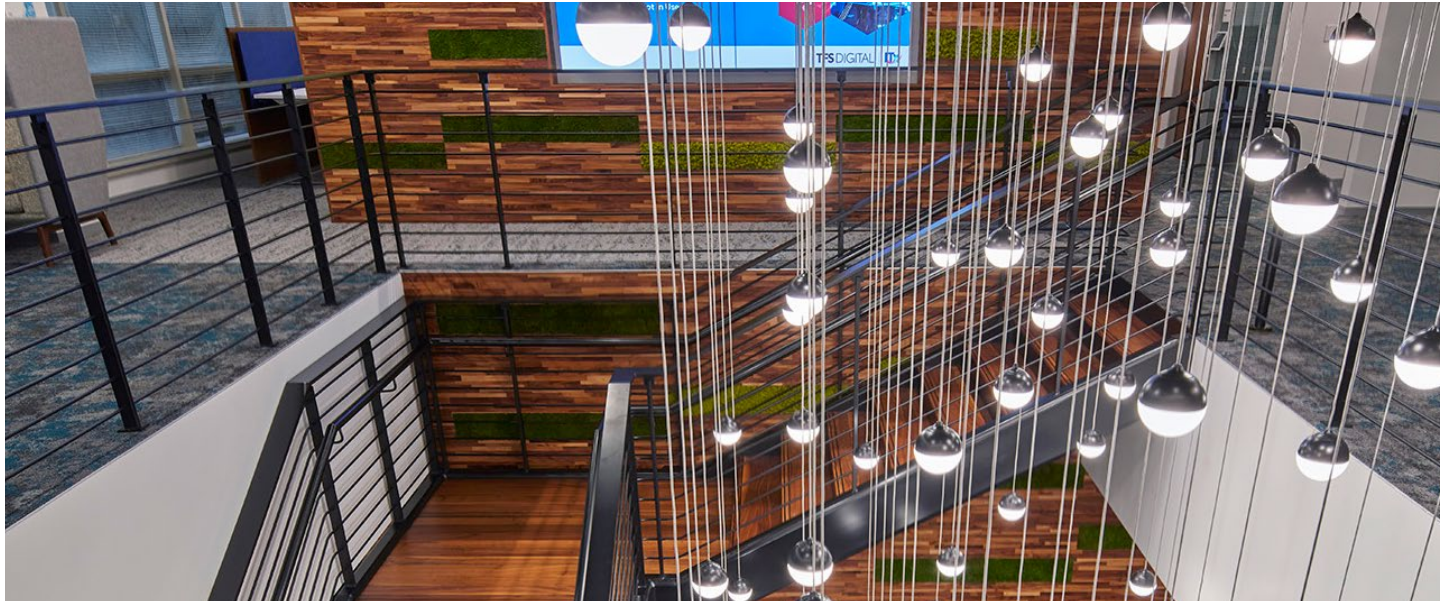




Glowball **Signature Clusters**

Multidrop Design & Specification Guide





Glowball **Signature Clusters**

Preconfigured or Bespoke Modular Multidrop Clusters

Bringing architectural lighting sculptures to life with spherical elegance using Glowball luminaires as artful, dimensional compositions - preconfigured for simplicity or fully configurable for impact.

BEFORE YOU START: HERE ARE A FEW THINGS TO KNOW

We Use 10% Dimming In Our Clusters

OCL's multi-drop Glowball 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 8 watts and 635 lumens like a single Glowball 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 section 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!)

LUMENS & WATTAGE CHART		PER DROP
LED1	LUMENS DELIVERED	350
	SYSTEM WATTAGE	5

CUSTOM LUMEN PACKAGES AVAILABLE



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

CATALOG CODES													
GB1C	-P36XX-	S	-SQM-	48	/ 60	-RDM-	FS	-BTP-	LED1/927K	UNV	-144-	DMO	-MOD
SERIES	HANGING	CORD	CANOPY	SIZE1	SIZE 2	DROP	DIFFUSER	FINISH	LIGHT SOURCE	VOLTAGE	OAH	CONTROL	OPTIONS

1) Decide Your Number of Drops

Enter your number of drops as part of the hanging system SKU **P[number 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."

→ 4) 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)

* (b) 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.

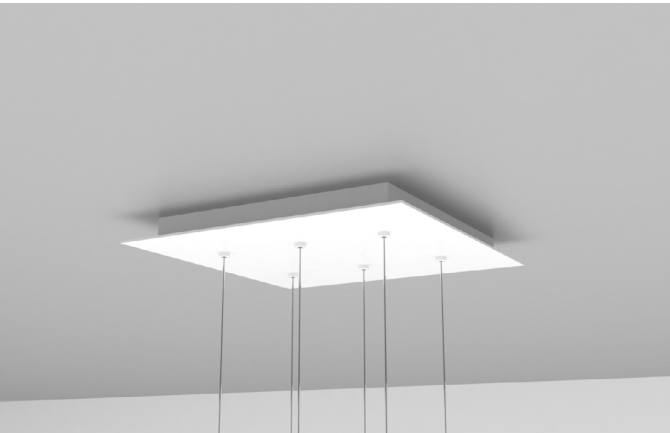
- 1) In a world where bespoke lighting reigns supreme... you send us your bold idea. We're instantly impressed - and we might follow up with a few plot-thickening questions.
- 2) The suspense builds... and then, the twist: a quote and approval drawing appear out of thin air!
- 3) We send them your way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

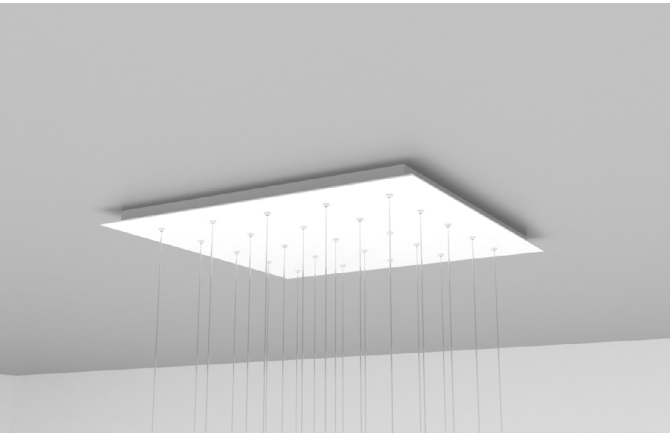
CHOOSING YOUR CANOPY TYPE & NUMBER OF DROPS

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.

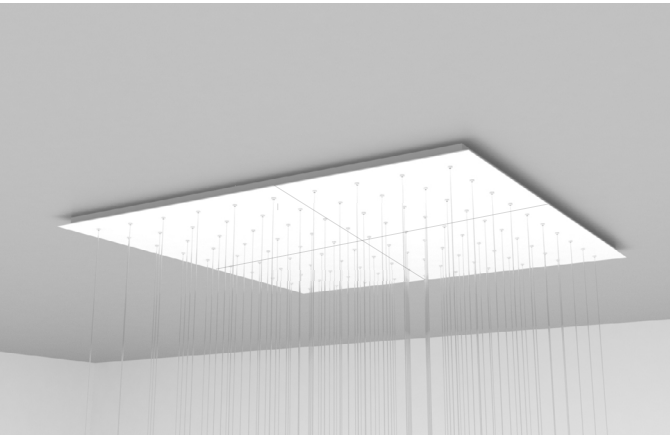
SQUARE CANOPIES



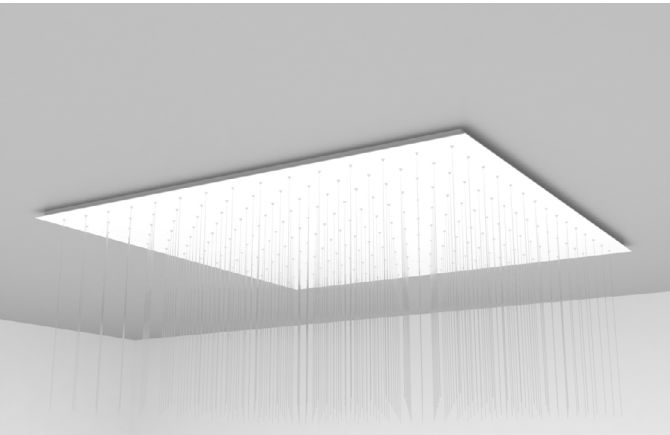
P6XX-S-SQM-24 SQUARE WITH 6 DROPS



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



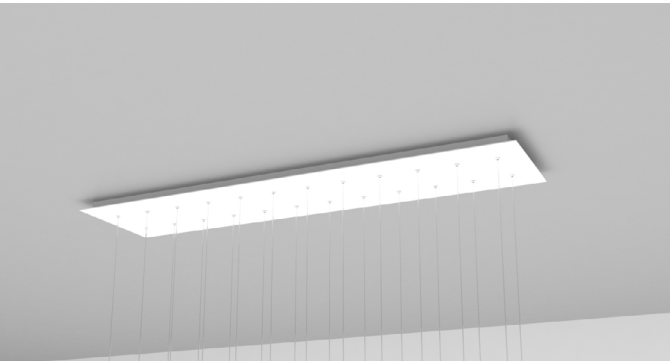
P10XX-S-REM-24/36 RECTANGULAR WITH 10 DROPS



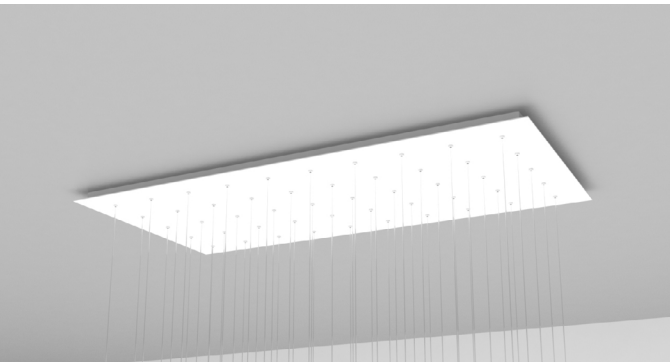
P12XX-S-REM-24/48 RECTANGULAR WITH 12 DROPS



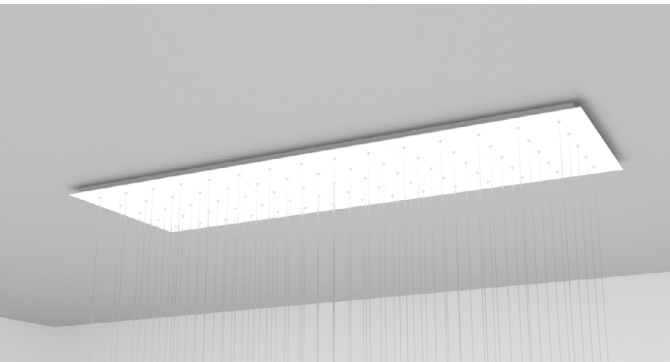
P18XX-S-REM-24/72 RECTANGLE WITH 18 DROPS



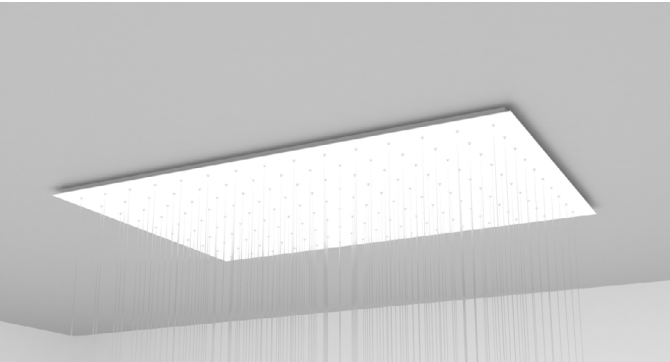
P24XX-S-REM-24/96 RECTANGLE WITH 24 DROPS



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



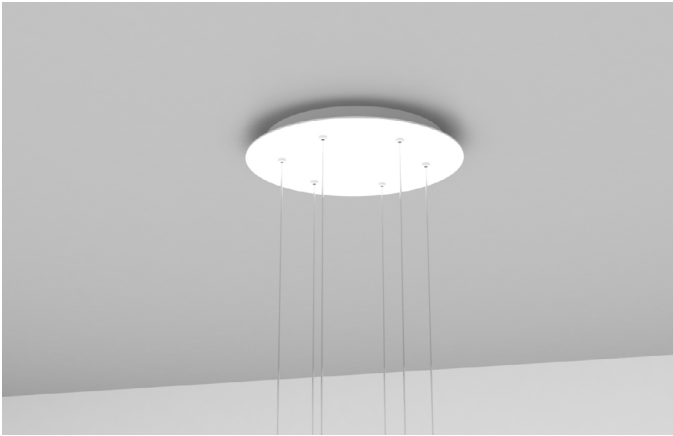
P75XX-S-REM-48/144 RECTANGULAR WITH 75 DROPS



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

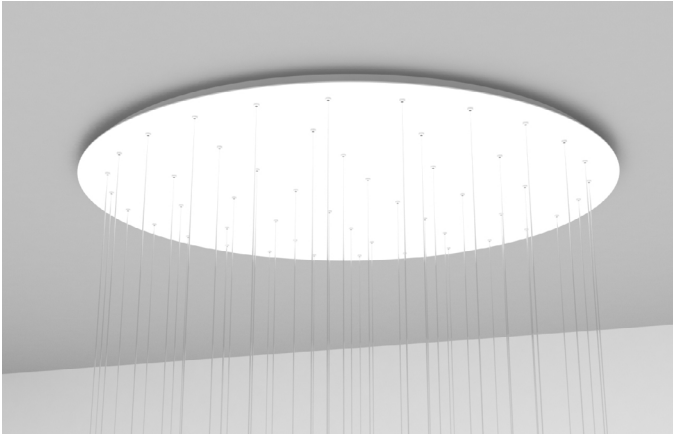
CIRCLE CANOPIES



P12XX-S-RND-24 CIRCLE WITH 12 DROPS



P50XX-S-RND-48 CIRCLE WITH 50 DROPS



P50XX-S-RND-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

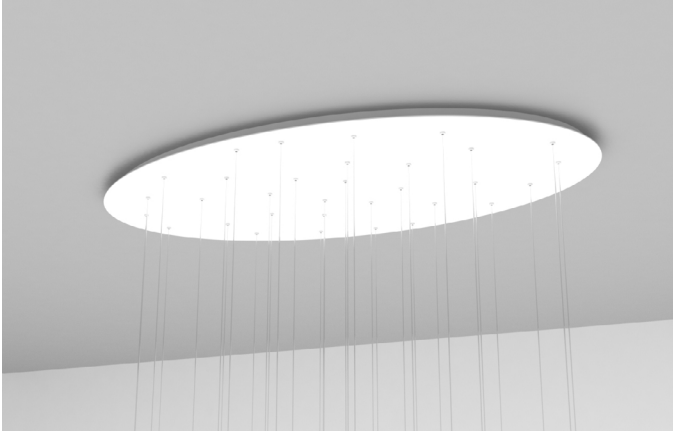
ELLIPSE CANOPIES



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!

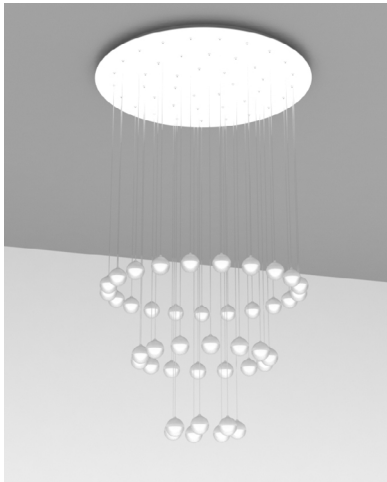
CHOOSING YOUR DROP PATTERN

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.

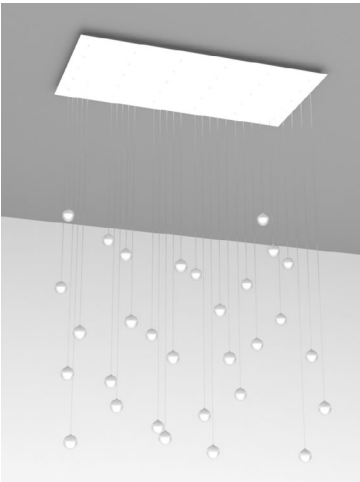


LVL LEVEL PATTERN

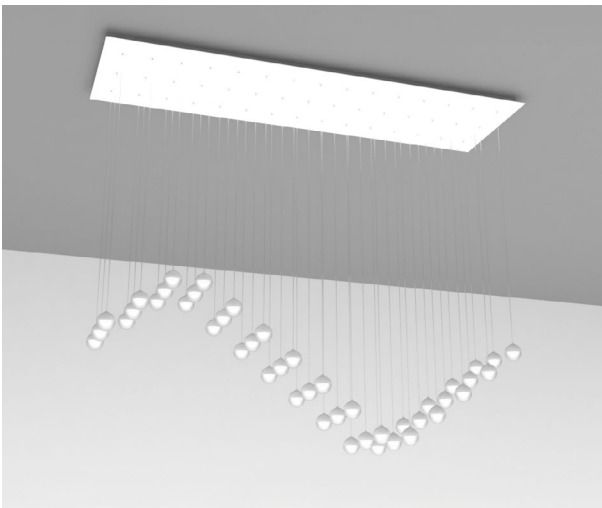
(NOTE: If you plan to field configure your drops, choose this pattern)



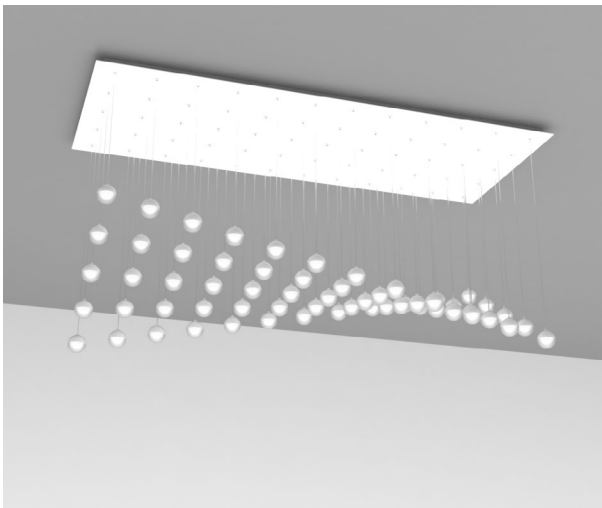
STP STEPPED PATTERN



RDM RANDOM PATTERN



WVE WAVE PATTERN



SWO SWOOP PATTERN

GO BEYOND THE PRESETS

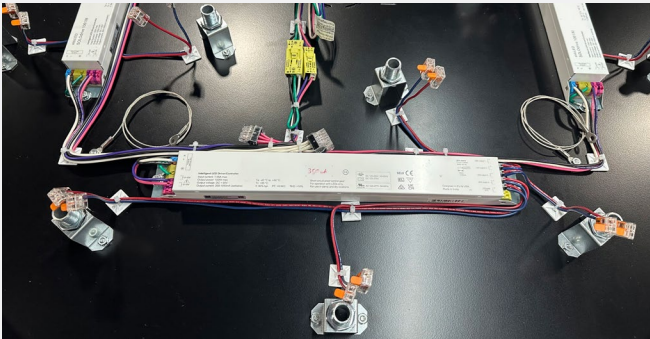
Every space tells its own story, and your cluster can too. While the Level, Stepped, Random, Wave, and Swoop patterns illustrate our most common configurations, you’re not limited to these examples. You can combine pattern styles, vary your drop lengths, or create a completely bespoke rhythm that responds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



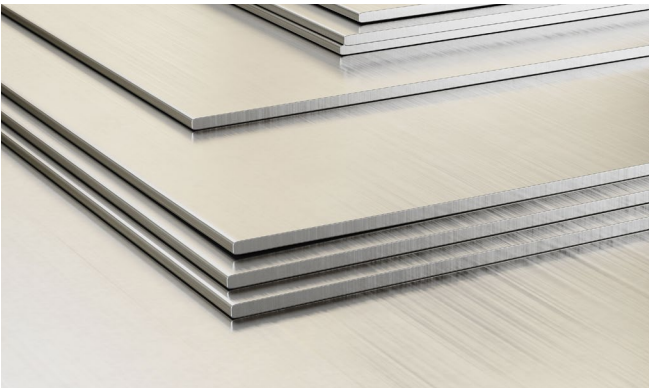
INSIDE THE CANOPY

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.



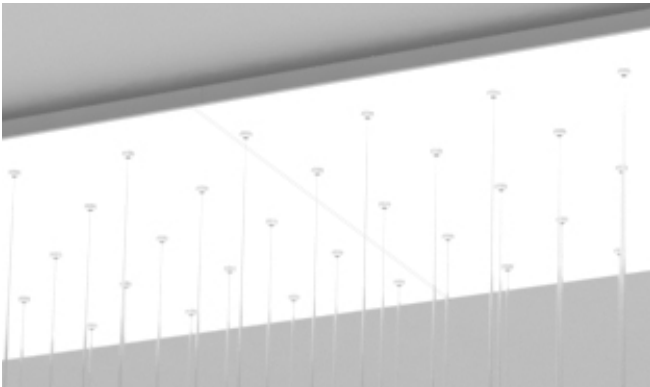
EDGE REVEAL

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



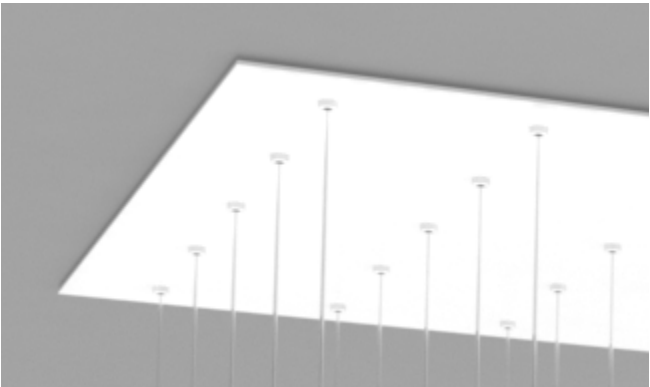
HIGH-GRADE ALUMINUM CONSTRUCTION

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 Glowball™

Glowball™ is a refined 4.5”diameter sphere pendant that delivers a signature ghosted outer glow and bright inner glow through its unique frosted silicone diffuser - an extremely durable and scratch-resistant material - combined with a precision die-cast aluminum body.

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 in this guide.

Glowball's minimal, contemporary design and distinctive glow make it a favorite among designers for creating elegant visual statements in both small-scale and large-scale lighting installations.



Related Luminaires



GLOWBALL™ PENDANT



GLOWBALL™ CLUSTER



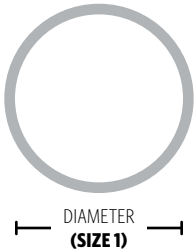
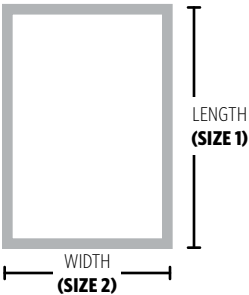
GLOWBALL™ DIVERGE™

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

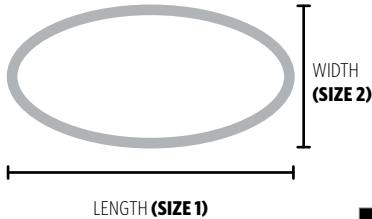
List your length (SIZE 1) and width (SIZE 2) for squares, rectangles or ellipses, and diameter (SIZE 1) for circles



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:

GLOWBALL SIGNATURE CLUSTER SUBMITTAL WORKSHEET



CATALOG CODES

GB1C - P B XX - S - D - E / E - F - FS - H - LED1 / - UNV - K - DMO - MOD

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 LIGHT SOURCE VOLTAGE OAH CONTROL OPTIONS

SPECIFY CATALOG CODE											
A	B	C	D	E	F	G	H	I	J	K	L
SERIES	HANGING SYSTEM	CORD COLOR	CANOPY SHAPE	SIZE 1 / SIZE 2 (LENGTH OR DIAMETER IN INCHES / WIDTH IN INCHES)	DROP PATTERN	DIFFUSER	FINISH	LED OUTPUT LED1	VOLTAGE	OAH	CONTROL
GB1C GLOWBALL	P__XX 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.	FS FROSTED SILICONE	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 _____		UNV 120-277	SPECIFY IN INCHES (NOTE: MINIMUM OAH IS 30"; DROPS ARE FIELD ADJUSTABLE)	DMO 0-10V DIMMING 10%
SAMPLE CODE: GB1C-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]



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Detailed specification information available at ocl.com

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A brand of  **legrand**

REV 12/25