

# Polina™ Acoustic

PENDANT



42" Shown



Shallow Canopy detail



Mini Power Canopy detail



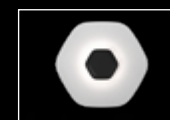
Black



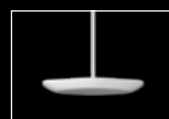
White



Palladium Silver



Sconce companion



Indirect Pendant companion

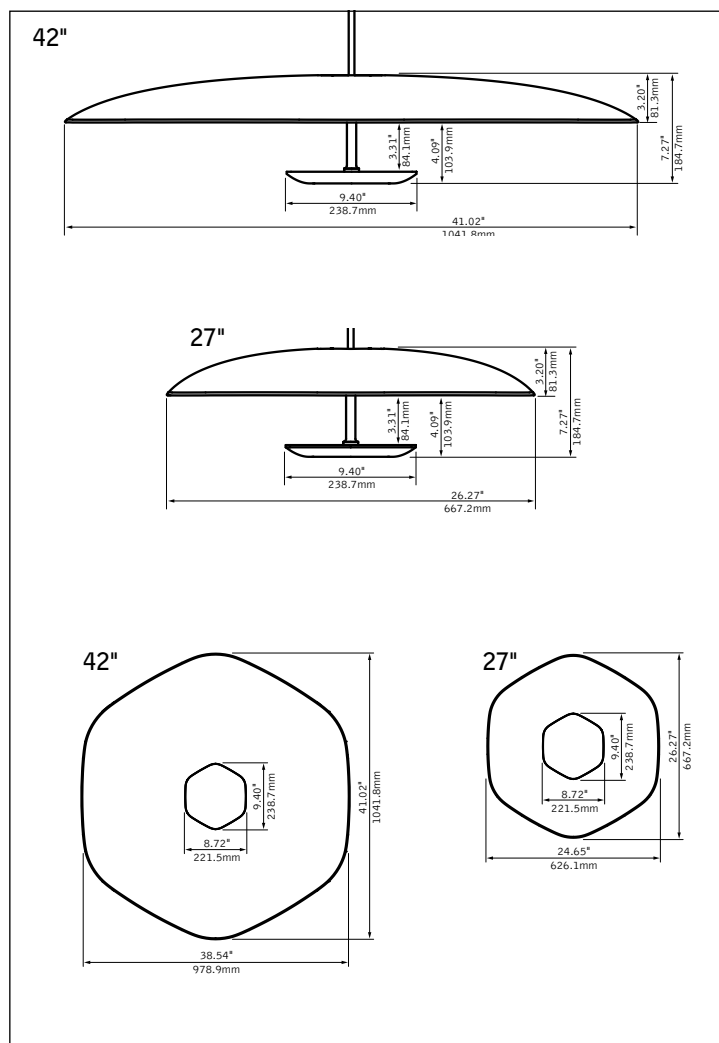


Unlit Pendant companion



Unlit wall mount companion

## DIMENSIONAL DATA



## FEATURES

Decorative hexagonal acoustic pendant with shade made of TriCore™ PET felt.

Available in two sizes: nominal 27" or 42" diameter, 8" height.

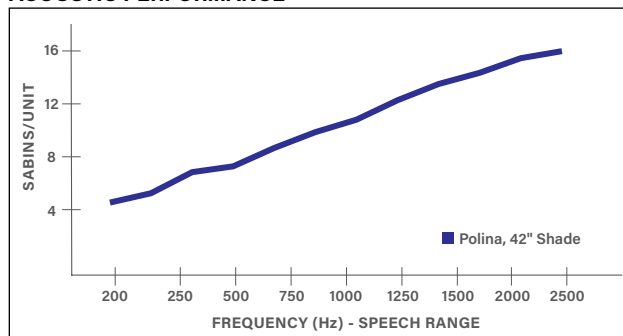
The patent-pending TriCore™ acoustic construction provides superior sound absorption over a wide range of frequencies and is eco-friendly.

Proprietary light engine and white reflector provide comfortable, indirect ambient illumination.

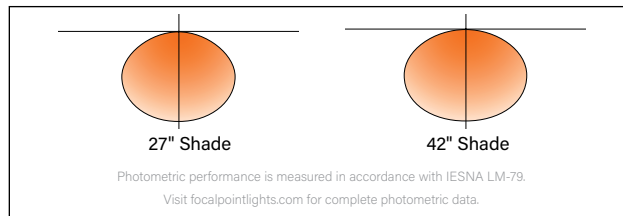
Five lumen outputs, up to 2850 lumens.

Unlit pendant, indirect pendant, and lit or unlit wall mount companion available.

## ACOUSTIC PERFORMANCE



## DISTRIBUTIONS



PENDANT SPECIFICATIONS

Acoustic Material

|                   |                                                                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Content           | Shade is 100% polyester containing up to 28.7% of recycled plastic bottles (PET felt). Constructed of ASTM E-84 Class A fire rated materials and is moisture resistant.                  |
| Cleaning and Care | Remove dust and debris with a clean, soft, lint-free cloth or vacuum                                                                                                                     |
| PET Thickness     | 4mm - 20mm variable across the shade                                                                                                                                                     |
| NRC & Sabins      | Array NRC 0.70. Average Sabins per object 10.52 (ft²)*<br><small>*Averaged Sabins per object calculated at specific frequencies representing the human speech range (200-2500Hz)</small> |

LED System

Proprietary LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 2700K, 3000K, 3500K or 4000K with both 80 and 90 CRI options. LED modules are replaceable from below. Color accuracy <3 SDCM.

Light Engine

9.4" diameter aluminum housing. Remove dust and debris with vacuum or dapping with damp lint free cloth, avoid rubbing to preserve illuminated surface quality.  
Weight: Luminaire will not exceed 14lbs.

Electrical

Standard 120-277V driver includes 0-10V analog dimming. Power factor > .9.

Emergency Battery

Remote power system only. One luminaire per remote box.  
Emergency output —10W for 90 minutes. Maximum luminaire mounting height is 14.75ft AFF.

Labels

UL and cUL listed. Suitable for Dry Locations, indoor use only.

Non-Acoustic Finishes

Polyester powder coat applied over a multi-stage pre-treatment.

Lumen Maintenance

Reported: L70 at >72,000 hours                      Calculated: L70 at 193,000 hours  
Reported: L90 at >55,000 hours                      Calculated: L90 at 55,000 hours  
Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

PERFORMANCE CHART

| Lumen Output       | Total System Watts | Shade Size | Delivered Lumens | LPW |
|--------------------|--------------------|------------|------------------|-----|
| Luminous Low (LLP) | 4.4                | 27"        | 500              | 114 |
|                    |                    | 42"        | 600              | 136 |
| Low (LWP)          | 7.9                | 27"        | 870              | 110 |
|                    |                    | 42"        | 950              | 120 |
| Medium (MDP)       | 15.4               | 27"        | 1550             | 101 |
|                    |                    | 42"        | 1685             | 109 |
| High (HHP)         | 21.2               | 27"        | 2150             | 101 |
|                    |                    | 42"        | 2335             | 110 |
| Max (MXP)          | 25.2               | 27"        | 2630             | 104 |
|                    |                    | 42"        | 2850             | 113 |

To match shade illuminance when pairing 27" and 42" shades together drop the 27" shade output down one lumen level.  
Based on 3500K, 80CRI. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

LUMEN MULTIPLIERS

| CRI | CCT   |       |       |       |
|-----|-------|-------|-------|-------|
|     | 2700K | 3000K | 3500K | 4000K |
| 80  | 0.93  | 0.96  | 1.00  | 1.02  |
| 90  | 0.79  | 0.82  | 0.85  | 0.87  |

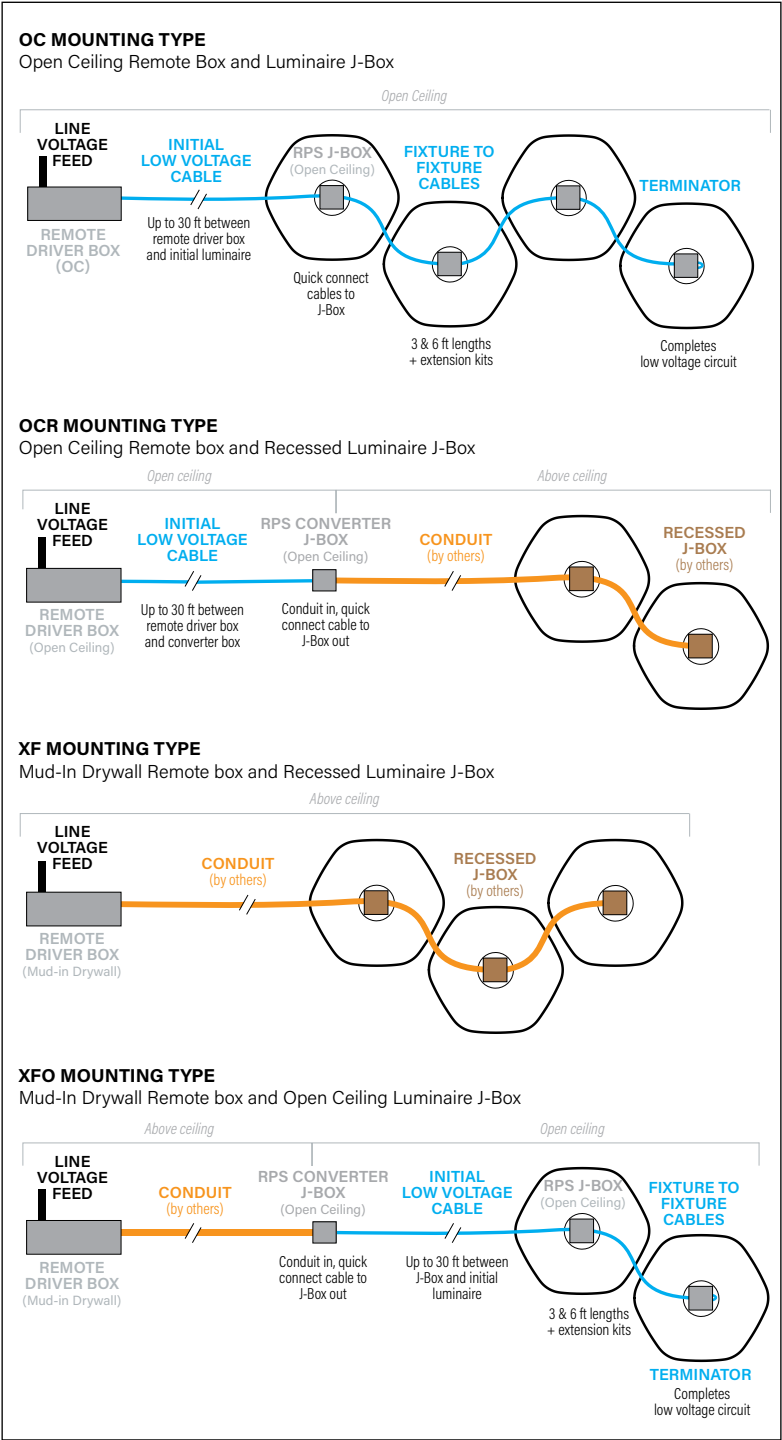
ORDERING

|                                                                                                                                        |                    |               |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------|
| <b>Luminaire Series</b>                                                                                                                |                    | <b>APOLP</b>  |
| Polina Acoustic Pendant                                                                                                                | APOLP              |               |
| <b>Shade Profile</b>                                                                                                                   |                    | <b>SHX</b>    |
| Soft Hexagon                                                                                                                           | SHX                |               |
| <b>Shade Size</b>                                                                                                                      |                    |               |
| Nominal 27" Shade                                                                                                                      | 27                 |               |
| Nominal 42" Shade                                                                                                                      | 42                 |               |
| <b>Shade Color</b>                                                                                                                     |                    | <b>SLG-WH</b> |
| Silver Gray Exterior/White Interior<br><small>(Consult factory for made-to-order shade color)</small>                                  | SLG-WH             |               |
| <b>Light Engine Profile</b>                                                                                                            |                    | <b>SHXT</b>   |
| Soft Hexagon Standard                                                                                                                  | SHXT               |               |
| <b>Shielding</b>                                                                                                                       |                    | <b>DC</b>     |
| Dust Cover                                                                                                                             | DC                 |               |
| <b>Lumen Output</b>                                                                                                                    |                    |               |
| Luminous low<br><small>(Remote Power, RSC only)</small>                                                                                | LLP                |               |
| Low                                                                                                                                    | LWP                |               |
| Medium                                                                                                                                 | MDP                |               |
| High                                                                                                                                   | HHP                |               |
| Max                                                                                                                                    | MXP                |               |
| <b>Color Temperature</b>                                                                                                               |                    |               |
| 2700K, 80CRI <b>or</b> 90 CRI                                                                                                          | 27K <b>or</b> 927K |               |
| 3000K, 80CRI <b>or</b> 90 CRI                                                                                                          | 30K <b>or</b> 930K |               |
| 3500K, 80CRI <b>or</b> 90 CRI                                                                                                          | 35K <b>or</b> 935K |               |
| 4000K, 80CRI <b>or</b> 90 CRI                                                                                                          | 40K <b>or</b> 940K |               |
| <b>Circuit</b>                                                                                                                         |                    | <b>1C</b>     |
| Single Circuit                                                                                                                         | 1C                 |               |
| <b>Voltage</b>                                                                                                                         |                    | <b>UNV</b>    |
| 120/277 UNV                                                                                                                            | UNV                |               |
| <b>Control System &amp; Dimming Level</b>                                                                                              |                    | <b>L11</b>    |
| 0-10V - 1% Dimming                                                                                                                     | L11                |               |
| <b>Power Configuration</b>                                                                                                             |                    |               |
| Integrated Power: Mini Power Canopy<br><small>(Powers 1 unit, mounted to J-box. See page 5 for details.)</small>                       | MPC                |               |
| Remote Power: Shallow Canopies<br><small>(Powers multiple units per box, requires RPS-POL.)</small>                                    | RSC                |               |
| <b>Canopy Color</b><br><small>(Consult factory for custom colors)</small>                                                              |                    |               |
| Matte Black                                                                                                                            | BK                 |               |
| Matte White                                                                                                                            | WH                 |               |
| Palladium Silver                                                                                                                       | PS                 |               |
| <b>Mounting</b><br><small>Stem length measured from the j-box to the bottom of the light engine</small>                                |                    |               |
| 12", Field Cuttable Stem                                                                                                               | S12                |               |
| 24", Field Cuttable Stem                                                                                                               | S24                |               |
| 60", Field Cuttable Stem                                                                                                               | S60                |               |
| 1'-6' in 1' increments, Field Cuttable Stem<br><small>(Specify in inches, example: 6' stem = S72)</small>                              | S_                 |               |
| <b>Suspension Color</b>                                                                                                                |                    |               |
| Matte Black                                                                                                                            | BK                 |               |
| Matte White                                                                                                                            | WH                 |               |
| Palladium Silver                                                                                                                       | PS                 |               |
| <b>Light Engine Finish</b><br><small>(Includes visible stem between shade and light engine. Consult factory for custom colors)</small> |                    |               |
| Matte Black                                                                                                                            | BK                 |               |
| Matte White                                                                                                                            | WH                 |               |
| Palladium Silver                                                                                                                       | PS                 |               |
| <b>Factory Options</b>                                                                                                                 |                    |               |
| Top View Cover Plate                                                                                                                   | TC                 |               |

fixture:

project:

SYSTEM DIAGRAMS



REMOTE POWER SYSTEM AVAILABILITY

| Lumen Output       | Luminaires per remote box | Drivers per remote box |
|--------------------|---------------------------|------------------------|
| Luminous Low (LLP) | 1-19                      | 1                      |
|                    | 20-38                     | 2                      |
| Low (LWP)          | 1-11                      | 1                      |
|                    | 12-22                     | 2                      |
| Medium (MDP)       | 1-5                       | 1                      |
|                    | 6-10                      | 2                      |
| High (HHP)         | 1-4                       | 1                      |
|                    | 5-8                       | 2                      |
| Max (MXP)          | 1-3                       | 1                      |
|                    | 4-6                       | 2                      |

Fixtures will be evenly divided between drivers when possible. For an odd number of fixtures, driver 1 will power the additional fixture. For alternate fixture/driver layouts, consult factory.

Focal Point LLC reserves the right to change specifications for product improvement without notification.

REMOTE POWER SYSTEM ORDERING

Remote Power System

Polina

RPSPOL

Mounting Type

Remote Box Location

Luminaire J-box Location

|                           |              |     |
|---------------------------|--------------|-----|
| Open Ceiling              | Open Ceiling | OC  |
| Open Ceiling              | Recessed     | OCR |
| Mud-In Drywall (IC rated) | Recessed     | XF  |
| Mud-In Drywall (IC rated) | Open Ceiling | XFO |

For mixed mounting configurations, consult factory.

Quantity of Luminaires Powered

See offering table for availability

Qty of Luminaires

\_\_L

Initial Cable Length\*

Leave blank for XF & XFO Mounting Types. Cable from Remote Driver box to first RPS J-box..

|      |      |
|------|------|
| 9ft  | 9IC  |
| 30ft | 30IC |

Fixture to Fixture Cable Length\*

Leave blank for OCR & XF Mounting Types.

|     |     |
|-----|-----|
| 3ft | 3FC |
| 6ft | 6FC |

Lumen Output

Must match specified luminaires

|              |     |
|--------------|-----|
| Luminous Low | LLP |
| Low          | LWP |
| Medium       | MDP |
| High         | HHP |
| Max          | MXP |

Circuit

Single Circuit

1C

Voltage

120/277 UNV

UNV

Control System & Dimming Level

0-10V - 1% Dimming

L11

Factory Options

Chicago Plenum

CP

Remote Emergency Battery

One luminaire per Emergency Remote Box.

EMR

Remote Box Faceplate Color

|                  |    |
|------------------|----|
| Matte Black      | BK |
| Matte White      | WH |
| Palladium Silver | PS |

Canopy Type

Shallow Canopy

SC

Canopy Color

|                  |    |
|------------------|----|
| Matte Black      | BK |
| Matte White      | WH |
| Palladium Silver | PS |

REMOTE POWER SYSTEM CABLE EXTENSION KIT

Order additional cable lengths to extend the distance between fixtures.\*  
Not compatible with OCR or XF Mounting Types.

|     |          |
|-----|----------|
| 3ft | RPS-KIT3 |
| 6ft | RPS-KIT6 |

\*Cables may not be cut to length in the field.

## REMOTE POWER SYSTEM SPECIFICATIONS

### Construction

Flexible and modular plug and play remote power system. Open Ceiling (OC, OCR) remote power box is rated for surface mounting in open ceiling or wall applications. Not to be installed in any recessed condition. Remote power box is easily installed in an open ceiling space or an adjacent electrical room with direct to strut and surface mounting features. Mud-In Drywall (XF, XFO) remote power box is Type IC inherently protected, suitable for direct contact with insulation. Decorative access plate is removable for ease of installation and maintenance.

### Electrical

Standard 120-277V driver includes 0-10V analog dimming. Power factor > .9. 3-wire constant current architecture ensures uniform illumination to support any fixture spacing requirements. Low-voltage Class 2 cable wiring system easily daisy chains multiple fixtures and eliminates electrical conduit in open ceiling applications. CMP (Plenum rated) cable with UL94V-0 rated connectors.

### Emergency Battery

Emergency output —10W for 90 minutes. One luminaire per emergency remote box. Maximum luminaire mounting height is 14.75ft AFF.

### Labels

UL and cUL listed. Suitable for Dry Locations, indoor use only.

### Faceplate Finish

Polyester powder coat applied over a multi-stage pre-treatment.

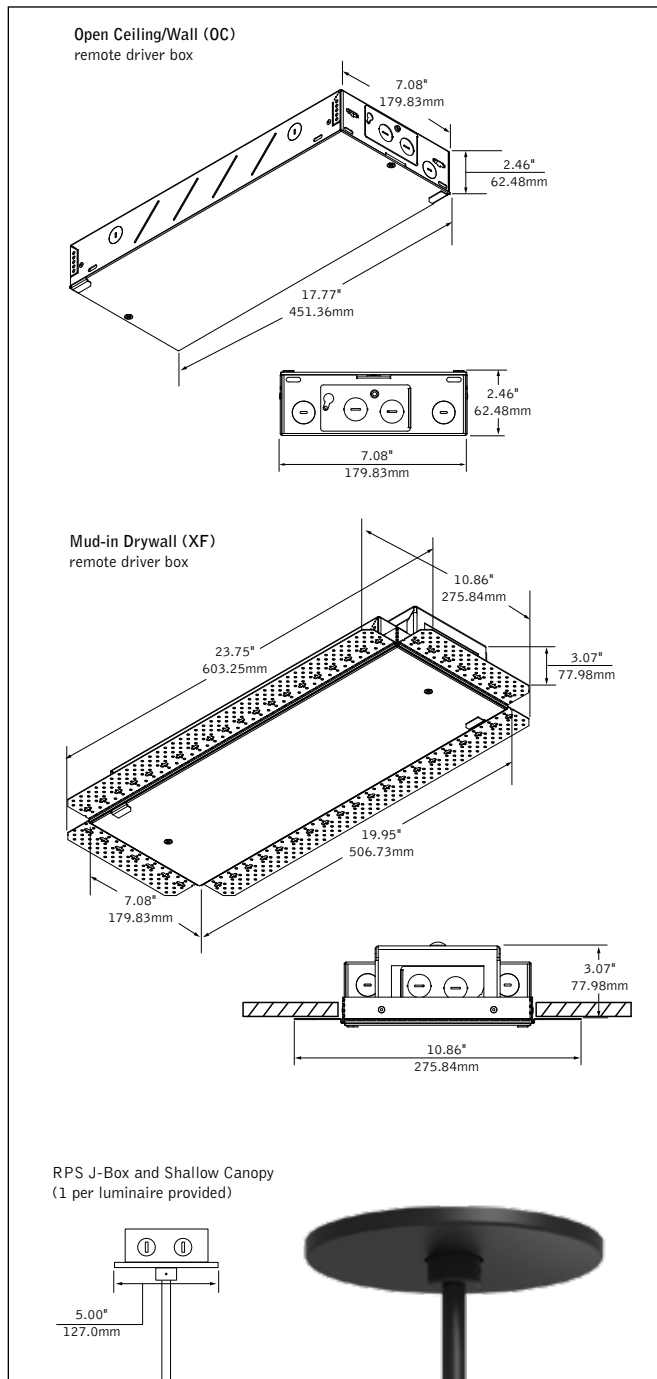
### Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

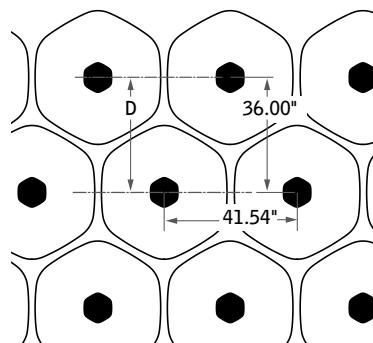
### Warranty

Open ceiling (OC, OCR) remote power box rated for ambient temperatures up to 40°C. Recessed ceiling (XF, XFO) remote power box rated for ambient temperatures up to 25°C. 5-year limited warranty.

## Remote Power System (RPS) details



## Spacing guidelines



For even spacing between staggered rows of pendants as shown, the spacing along a line is dependent on the distance between the centerline of the rows, D.

The spacing along a line should be  $2\sqrt{3}D/3 \sim 1.155D$

**42" Shade** eg: D = 36",  $2\sqrt{3}(36")/3 = 41.54"$

**27" Shade** eg: D = 24",  $2\sqrt{3}(24")/3 = 27.68"$

## Remote Power System Example



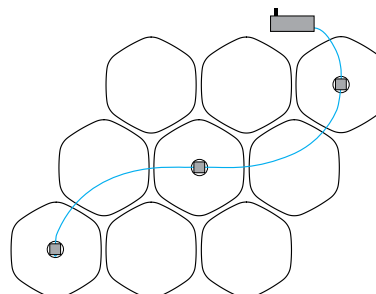
## SYSTEM COMPONENTS

- 1 - Remote Power System
- 3 - 42" Polina Acoustic Pendant
- 6 - 42" Polina Acoustic Unlit Pendant

Also pictured: 27" Polina Acoustic Pendants.

To match shade illuminance when pairing 27" and 42" shades together drop the 27" shade output down one lumen level.

Luminaires of different lumen outputs require dedicated remote power systems in order to supply the correct power to the luminaires.



MPC - Mini Power Canopy

 Indicates Driver Location

