

Polina™ Acoustic

SCNCE



27" Shown



Black



White



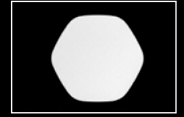
Palladium Silver



Pendant companion



Unlit Pendant companion

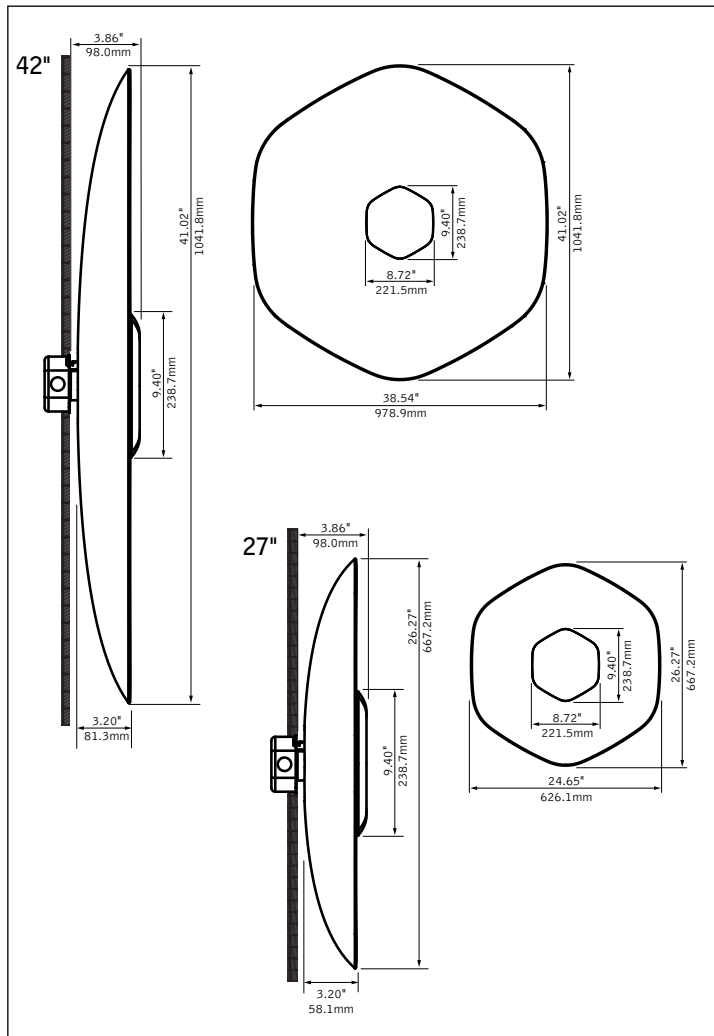


Unlit wall mount companion



Indirect Pendant companion

DIMENSIONAL DATA



FEATURES

ADA compliant, decorative hexagonal acoustic sconce with shade made of TriCore™ PET felt.

Available in two sizes: nominal 27" or 42" diameter, less than 4" thickness.

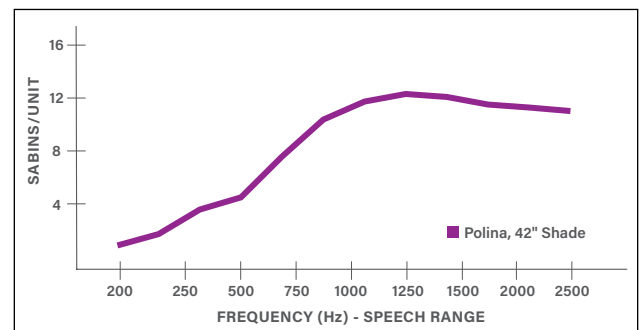
The patent-pending TriCore™ acoustic construction provides superior sound absorption over a wide range of frequencies and is eco-friendly.

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

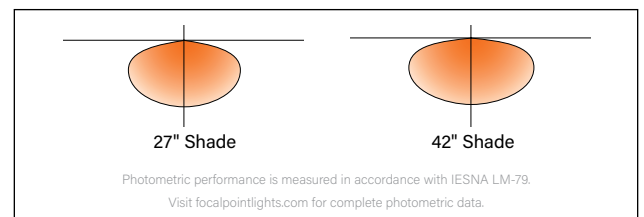
Five lumen outputs, up to 2285 lumens.

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

ACOUSTIC PERFORMANCE



DISTRIBUTIONS



fixture:

project:

SCONCE 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
Surface Burning Characteristics	ASTM E84 Class A / CAN ULC S102 Flame Spread: 0, Smoke Development Index: 300
Colorfastness	AATCC 16A Option 3 Class 4 minimum at 40 hours
NRC & Sabins	Array NRC 0.55. Average Sabins per object 8.27 (ft²)* *Averaged Sabins per object calculated at specific frequencies representing the human speech range (200-2500Hz)

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 10lbs. Wall/vertical mounting only. May not be ceiling mounted.

Electrical

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

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 189,000 hours
Reported: L90 at >54,000 hours Calculated: L90 at 54,000 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.

Lumen Output	Total System Watts	Shade Size	Delivered Lumens	LPW
Luminous Low (LLC)	4.4	27"	460	105
		42"	480	109
Low (LWC)	7.9	27"	720	91
		42"	760	96
Medium (MDC)	15.4	27"	1285	83
		42"	1350	88
High (HHC)	21.2	27"	1780	84
		42"	1870	88
Max (MXC)	25.2	27"	2180	87
		42"	2285	91

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

Luminaire Series	APOLC
Polina Acoustic Sconce	
Shade Profile	SHX
Soft Hexagon	
Size	
Nominal 27" Shade	27
Nominal 42" Shade	42
Shade Color	SLG-WH
Silver Gray Exterior/White Interior (Consult factory for made-to-order shade color)	
Light Engine Profile	SHXS
Soft Hexagon Shallow	
Shielding	DC
Dust Cover	
Lumen Output	
Luminous low	LLC
Low	LWC
Medium	MDC
High	HHC
Max	MXC
Color Temperature	
2700K, 80CRI or 90 CRI	27K or 927K
3000K, 80CRI or 90 CRI	30K or 930K
3500K, 80CRI or 90 CRI	35K or 935K
4000K, 80CRI or 90 CRI	40K or 940K
Circuit	1C
Single Circuit	1C
Voltage	UNV
120/277 UNV	UNV
Control System & Dimming Level	L11
0-10V - 1% Dimming	L11
Power Configuration	RWM
Remote Power: Wall Mount (Powers multiple units per box, requires RPS-POL.)	RWM
Light Engine Finish (Includes visible stem between shade and light engine. Consult factory for custom colors)	
Matte Black	BK
Matte White	WH
Palladium Silver	PS

fixture:

project:

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) 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 CMP (Plenum rated) cable with UL94V-0 rated connectors.

Labels

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

Faceplate Finish

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

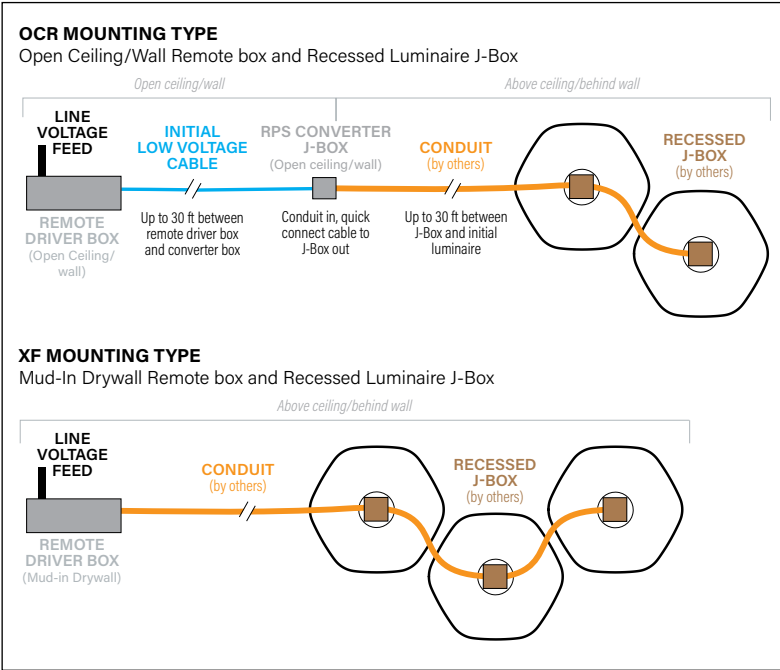
Reliability

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

SYSTEM DIAGRAMS



REMOTE POWER SYSTEM AVAILABILITY

Lumen Output	Luminaires per remote box	Drivers per remote box
Luminous Low (LLC)	1-19	1
	20-38	2
Low (LWC)	1-11	1
	12-22	2
Medium (MDC)	1-5	1
	6-10	2
High (HHC)	1-4	1
	5-8	2
Max (MXC)	1-3	1
	4-6	2

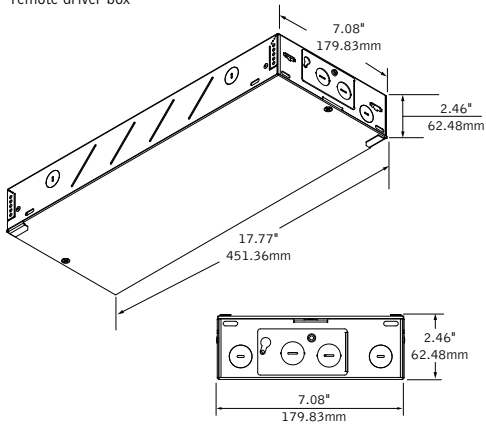
Fixtures will be evenly divided between drivers when possible. For an odd number of fixtures, driver 1 will power the additional fixture. For alternate fixture/driver layouts, consult factory.

REMOTE POWER SYSTEM ORDERING

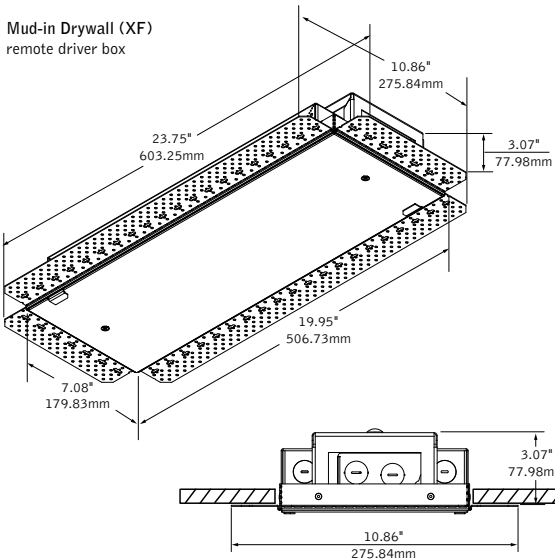
Remote Power System		Polina	RPSPOL
Mounting Type			
Remote Box Location	Luminaire J-box Location		
Open Ceiling	Recessed	OCR	
Mud-In Drywall (IC rated)	Recessed	XF	
For mixed mounting configurations, consult factory.			
Quantity of Luminaires Powered			
See offering table for availability			
Qty of Luminaires		__L	
Initial Cable Length			
Leave blank for XF Mounting. Cable from Remote Driver box to RPS Converter J-box. Cable may not be cut to length in field.			
		9ft	9IC
		30ft	30IC
Lumen Output			
Must match specified luminaires			
Luminous Low		LLC	
Low		LWC	
Medium		MDC	
High		HHC	
Max		MXC	
Circuit		1C	
Single Circuit		1C	
Voltage		UNV	
120/277 UNV		UNV	
Control System & Dimming Level		L11	
0-10V - 1% Dimming		L11	
Factory Options			
Chicago Plenum		CP	
Remote Box Faceplate Color			
Matte Black		BK	
Matte White		WH	
Palladium Silver		PS	

Remote Power System (RPS) details

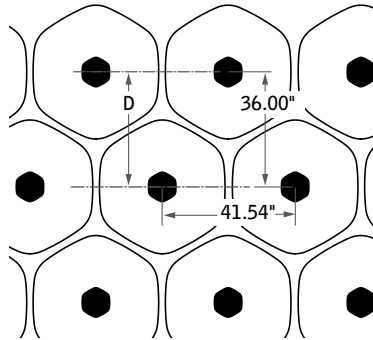
Open Ceiling/Wall (OC)
remote driver box



Mud-in Drywall (XF)
remote driver box



Spacing guidelines



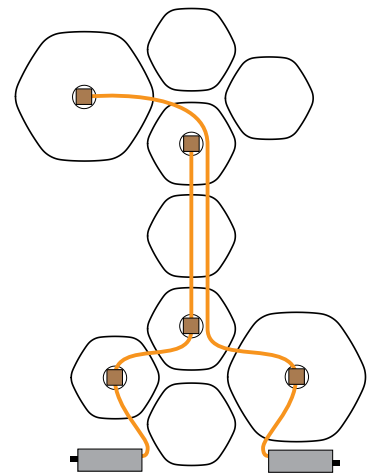
For even spacing between staggered rows of pendants as shown, the spacing along a line is dependent on the distance between the centerline of the rows, D.

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

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

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

Remote Power System Example



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.

SYSTEM COMPONENTS

- 1 - Remote Power System (42" output)
- 2 - 42" Polina Acoustic Sconce
- 1 - Remote Power System (27" output)
- 3 - 27" Polina Acoustic Sconce
- 4 - 27" Polina Acoustic Unlit Wall Mount