

DATE PROJECT FIRM FIXTURE TYPE

## OVERVIEW

Cylinder is a casual and soft-structured luminaire that demonstrates an elegant pairing of primitive form, high performance lighting, environmentally conscious materials, and is designed for easy recycling at end of service. It is constructed with no metal or rigid frame — resulting in a final product physically honest to its perceived appearance. Cylinder is offered with a useful range of optical beam spreads, lumen packages, sizes, and configurations making it an ideal product to marry solutions of lighting design and acoustic performance. Our commitment to craft shows up Sabin's signature sewn construction, which enables robust and simple design.



## SPECIFICATIONS

SERIES	DIAMETER (FT)	HEIGHT <sup>1</sup> (IN)	OUTER COLOR			INNER COLOR		
CYL	1	18	<b>15QY</b> QUARRY	<b>15SP</b> SAPPHIRE	<b>15MS</b> MOSS	<b>15QY</b> QUARRY	<b>15SP</b> SAPPHIRE	<b>15MS</b> MOSS
	2	24	<b>15SD</b> SAND	<b>15SF</b> SAFFRON	<b>15FX</b> FLAX	<b>15SD</b> SAND	<b>15SF</b> SAFFRON	<b>15FX</b> FLAX
	3	34	<b>15PM</b> PUMICE	<b>15MY</b> MERCURY	<b>15BR</b> BEETROOT	<b>15PM</b> PUMICE	<b>15MY</b> MERCURY	<b>15BR</b> BEETROOT
	4	54	<b>15FL</b> FLINT	<b>15CB</b> COBALT	<b>15WS</b> WISTERIA	<b>15FL</b> FLINT	<b>15CB</b> COBALT	<b>15WS</b> WISTERIA
	CD <sup>2</sup>	112	<b>15HZ</b> HAZEL	<b>15SP</b> SAPPHIRE		<b>15HZ</b> HAZEL	<b>15SP</b> SAPPHIRE	
		CH <sup>3</sup>	<b>15HZ</b> OBSIDIAN	<b>15JD</b> JADE		<b>15HZ</b> OBSIDIAN	<b>15JD</b> JADE	

1 IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE SHOWN ON PAGE 2.

2 CUSTOM DIAMETERS AVAILABLE IN 1" (25MM) INCREMENTS.

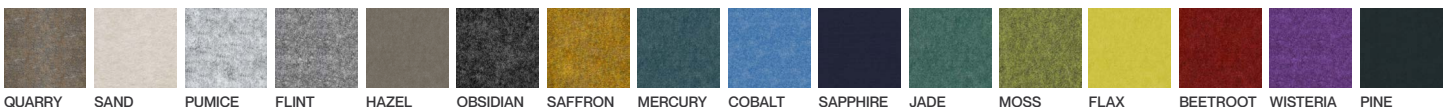
3 CUSTOM HEIGHTS AVAILABLE IN 1" (25MM) INCREMENTS.

CONTACT THE FACTORY FOR ADDITIONAL HEIGHT AND LENGTH OPTIONS.

TRIM COLOR (PREMIUM ADD-ON FINISH)				AIRCRAFT CABLE		CANOPY		CEILING HARDWARE	
<b>NT</b> NO TRIM	<b>EM</b> EMERALD	<b>DU</b> DUNE	<b>PO</b> POPPY	<b>36BK</b> 36" BLACK AC CABLE	<b>BK</b> BLACK	<b>CTB9</b> T-BAR CADDY CLIP, 9/16"			
<b>IN</b> INDIGO	<b>HI</b> HIBISCUS	<b>CY</b> CLAY	<b>IR</b> IRIS	<b>36SLV</b> 36" SILVER AC CABLE	<b>WH</b> WHITE	<b>CTB15</b> T-BAR CADDY CLIP, 15/16"			
<b>SP</b> SPRUCE	<b>OL</b> OLIVE	<b>TM</b> TIMBER	<b>OX</b> ONYX	<b>60BK</b> 60" BLACK AC CABLE		<b>CTG9</b> TEGULAR CADDY CLIP, 9/16"			
<b>SK</b> SKY	<b>FE</b> FERN	<b>CU</b> CURRANT	<b>WH</b> WHITE	<b>60SLV</b> 60" SILVER AC CABLE		<b>CTH15</b> TEGULAR CADDY CLIP, 15/16"			
<b>AZ</b> AZURE	<b>FR</b> FROST	<b>ST</b> STONE		<b>120BK</b> 120" BLACK AC CABLE		<b>CHS</b> HARD CEILING			
<b>SG</b> SAGE	<b>BF</b> BLUFF	<b>SL</b> SLATE		<b>120SLV</b> 120" SILVER AC CABLE					
<b>LM</b> LIME	<b>SH</b> SHELL	<b>CT</b> CITRUS							

## COLOR

### 1.5MM FELT



CONTACT THE FACTORY FOR ADDITIONAL COLOR OPTIONS.

EXAMPLE PART NUMBER: CYL-3-18-935-SS-HP-10-FL-15QY-WWT-BK-WH-60SLV-WH-CHS

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## ACOUSTIC PERFORMANCE DATA

ALL SABIN PRODUCTS ARE SUBJECT TO ACOUSTIC TESTING. PERFORMANCE VALUES WILL VARY BASED ON INSTALLATION FACTORS SUCH AS DENSITY AND MOUNTING HEIGHT.

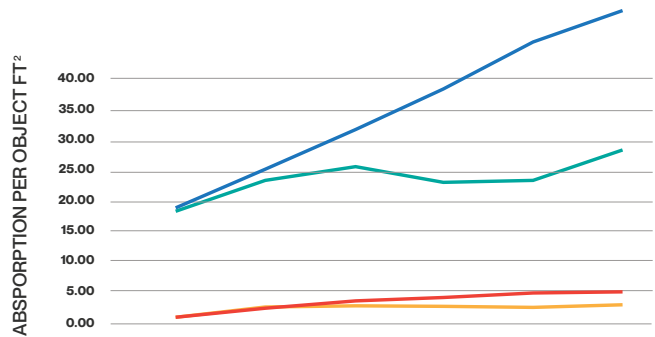
**SABINS** A SABIN IS A UNIT OF SOUND ABSORPTION DEFINED AS THE AMOUNT OF SOUND ABSORBED BY ONE SQUARE FOOT OF A PERFECT ABSORBER. IT WAS INITIALLY CONCEIVED AS THE EQUIVALENT OF 1 SQUARE FOOT OF OPEN WINDOW, REFLECTING NO SOUND BACK INTO THE INTERIOR. SABINS ARE USED TO EXPRESS THE TOTAL EFFECTIVE ABSORPTION FOR THE INTERIOR OF A ROOM. THIS CHART INDICATES AVERAGE SABINS PER UNIT AT THE NOTED FREQUENCIES WHICH REPRESENT THE TYPICAL RANGE OF HUMAN SPEECH OF 200-2500 HZ.

**NRC** NOISE REDUCTION COEFFICIENT (NRC) IS A SINGLE NUMBER VALUE RANGING FROM 0.0 TO 1.0 THAT DESCRIBES THE AVERAGE SOUND ABSORPTION PERFORMANCE OF A MATERIAL. AN NRC OF 0.0 INDICATES THE OBJECT DOES NOT ABSORB MID-FREQUENCY SOUND ENERGY, BUT REFLECTS IT. AN NRC OF 1.0 INDICATES THAT THE SOUND ABSORPTION PERFORMANCE OF THE MATERIAL IS EQUAL TO ITS SURFACE AREA (MEASURED IN UNITS SABIN), OR CONCEPTUALLY 100% SOUND ABSORPTION.

PROJECTED NRC = .95

TOTAL SOUND ABSORPTION WILL VARY BASED ON DESIGNED PRODUCT CONFIGURATION. SABIN TESTS ALL PRODUCTS IN MULTIPLE CONFIGURATIONS. PLEASE CONTACT SABIN OR YOUR LOCAL AGENT FOR MORE INFORMATION.

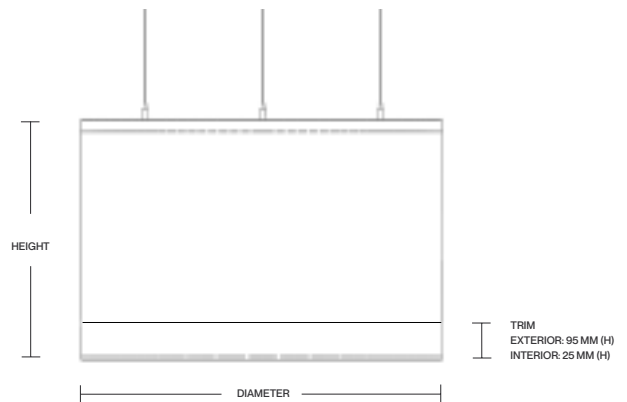
## SABIN CYLINDER FAMILY ACOUSTIC PERFORMANCE



	125	250	500	1000	2000	4000
LIT 120 x 18	0.97	2.91	2.91	2.91	2.80	3.01
UNLIT 120 x 18	1.08	2.48	3.77	4.41	5.06	5.38
LIT 480 x 48	18.73	23.25	25.40	22.93	23.25	27.88
UNLIT 480 x 48	18.41	25.19	31.86	38.10	45.53	50.48

## DIMENSIONS + WEIGHT

SERIES	HEIGHT 1 (INCHES)	LENGTH 1 (FEET)
CYL	18" (475MM)	1' (950MM)
CYLINDER	24" (600MM)	2' (1250MM)
	34" (850MM)	3' (1550MM)
	54" (1350MM)	4' (1875MM)
	112" (2850MM)	CD CUSTOM DIAMETER 3
CH CUSTOM HEIGHT 2		



1 IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE SHOWN IN MILLIMETERS.  
2 CUSTOM HEIGHTS AVAILABLE BETWEEN 18" - 112" (475-2850MM) IN 1" (25MM) INCREMENTS.  
3 CUSTOM DIAMETER AVAILABLE BETWEEN 1' - 4' (300-1200MM) IN 1" (25MM) INCREMENTS.  
\* ALL STANDARD DIMENSIONS ARE ECO-FRIENDLY, MAXIMIZING MATERIAL USE AND MINIMIZING WASTE. CUSTOM DIMENSIONS RESULT IN EXCESS MATERIAL WASTE.

SEE DIMENSIONS + WEIGHT TABLE FOR LIMITATIONS

## WEIGHT

PLEASE CONSULT THE FACTORY FOR PRODUCT WEIGHTS BASED ON CONFIGURATION AND PART NUMBERS.

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## ACOUSTIC MATERIAL

OUR 1.5MM PET (POLYESTER) FELT PANELS CONTAIN MINIMUM 60% POST-CONSUMER RECYCLED POLYESTER STAPLE FIBER. THE MATERIAL IS MOISTURE RESISTANT, FIRE RATED AND RECYCLABLE. THE POROUS MATERIAL IS AN OUTSTANDING ABSORBER OF ACOUSTIC ENERGY.

- FIRE RETARDANT: ASTM E84 CLASS A, EN13501 CLASS B
- DECORATIVE: 16 STANDARD COLORS
- CONSTRUCTION: 100% POLYESTER FIBER (PET)

## CONSTRUCTION

A HIGHLY ENGINEERED, ROBUST ACOUSTIC LUMINAIRE COMPRISED ALMOST ENTIRELY OF RECYCLED PET PARTS AND HELD TOGETHER WITH OUR SEWN CONSTRUCTION.

## CARE

PET ACOUSTICS: REMOVE DUST WITH COMPRESSED AIR, A VACUUM OR LINT ROLLER. ALUMINUM & POLYMER COMPONENTS: REMOVE DUST AND DEBRIS WITH A CLEAN, DRY, OR DAMP LINT-FREE CLOTH.

## MOUNTING

SUSPENDED WITH 1/16" AIRCRAFT CABLES, COLOR MATCHING CABLE AND GRIPPERS, INSTALLED AT FACTORY. AIRCRAFT CABLES AVAILABLE IN PRECUT LENGTHS OF 36", 60", OR 120" WITH FABRIC-COVERED POWER CORD AND 5" CANOPY.

## CERTIFICATES/LISTING

TESTED IN ACCORDANCE WITH NEC, ANSI/NFPA 70 STANDARDS. ETL LISTED FOR DRY LOCATIONS, IP20, ROHS COMPLIANT.

## WARRANTY

FIXTURE RATED FOR OPERATION IN CONDITIONED ENVIRONMENTS UP TO 77°F (25°C). FIXTURE IS WARRANTIED TO BE FREE FROM DEFECTS AND/OR FAILURE UNDER NORMAL USE AND PROPER STORAGE FOR FIVE (5) YEARS FROM DATE OF SHIPMENT.