

DATE	PROJECT	FIRM	FIXTURE TYPE
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CYLINDER - LBO (LIGHT BY OTHERS) DOWNLIGHT

Cylinder is a casual and soft-structured fixture 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 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	LBO FIXTURE TYPE	DL CEILING CUT OUT ^{1,4}	CYL DIAMETER ^{1,5}	CYL HEIGHT ¹
CYL-LBO	DL DOWNLIGHT	3" (76MM) 4" (102MM) 5" (127MM) 6" (152MM) 7" (178MM) CD ²	12" (300MM) 24" (600MM) 35" (900MM) 47" (1200MM) CD ²	19" (475MM) 24" (600MM) 33" (850MM) 55" (1350MM) 112" (2850MM) CH ³
EXTERIOR COLOR ⁶		INTERIOR COLOR		TRIM COLOR (OPTIONAL PREMIUM FINISH)
15BR BEETROOT 15BS BISQUE 15CN CANARY 15FL FLINT 15GF GULF 15HZ HAZEL 15JD JADE 15MY MERCURY 15MS MOSS	15OB OBSIDIAN 15PN PINE 15PM PUMICE 15QY QUARRY 15SP SAPPHIRE 15SD SAND 15SF SAFFRON 15SA SIENNA 15WS WISTERIA	15BR BEETROOT 15BS BISQUE 15CN CANARY 15FL FLINT 15GF GULF 15HZ HAZEL 15JD JADE 15MY MERCURY 15MS MOSS	15OB OBSIDIAN 15PN PINE 15PM PUMICE 15QY QUARRY 15SP SAPPHIRE 15SD SAND 15SF SAFFRON 15SA SIENNA 15WS WISTERIA	NT NO TRIM AZ AZURE BF BLUFF CY CLAY CT CITRUS CU CURRANT DU DUNE EM EMERALD FE FERN FR FROST HI HIBISCUS IN INDIGO IR IRIS LM LIME OL OLIVE OX ONYX PO POPPY SG SAGE SH SHELL SK SKY SL SLATE SP SPRUCE ST STONE TM TIMBER WH WHITE
CORD COLOR	CABLE	CANOPY ⁵	CEILING HARDWARE	
PCBK BLACK PCBL BLUE PCBR BRONZE PCGR GREEN PCRD RED PCGY GRAY PCWH WHITE	36BK 36" (915MM) BLACK AC CABLE 36SLV 36" (915MM) SILVER AC CABLE 60BK 60" (1524MM) BLACK AC CABLE 60SLV 60" (1524MM) SILVER AC CABLE 120BK 120" (3048MM) BLACK AC CABLE 120SLV 120" (3048MM) SILVER AC CABLE	BK BLACK WH WHITE	CTB9 T-BAR CADDY CLIP, 9/16" CTB15 T-BAR CADDY CLIP, 15/16" CTG9 TEGULAR CADDY CLIP, 9/16" CTG15 TEGULAR CADDY CLIP, 15/16" CHS HARD CEILING	

1 IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE METRIC.
 2 CUSTOM DIAMETER AVAILABLE BETWEEN 12"-47" (300-1200MM).
 3 CUSTOM HEIGHTS AVAILABLE BETWEEN 19"-112" (475-2850MM).
 4 DIAMETER OF THE HOLE SPECIFIED IN CHOSEN DOWNLIGHT INSTALLATION INSTRUCTIONS.
 5 CYL DIAMETER NEEDS TO BE AT LEAST 12" (300MM) LARGER THAN THE DL CEILING CUT OUT.

6 5" (127MM) CANOPY PROVIDED. 2" (50.8MM) CANOPY PROVIDED UPON REQUEST.
 7 CUSTOM THREAD COLORS AVAILABLE. CONSULT FACTORY.

SEE ADDITIONAL OPTIONS FOR SIZE, TRIM FINISH, AND CUSTOMIZATION AT [SABIN.BUILD](https://sabin.build)



EXAMPLE PART NUMBER: CYL-LBO-PD-3(76)-24(600)-19(475)-15MY-15SP-TM-PCBK-36SLV-BK-CHS

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SWATCHES

Cylinder utilizes 1.5mm felt and has the option to add trim and customize color for cable, thread, and cord (for lit fixtures.)

Contact the factory for additional color options.

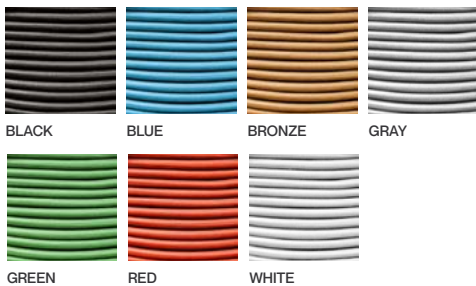
1.5MM FELT



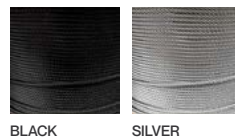
TRIM (OPTIONAL PREMIUM FINISH)



CORD



CABLE



Colors are subject to slight variation from your screen or paper to the finished product.

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ACOUSTIC PERFORMANCE DATA

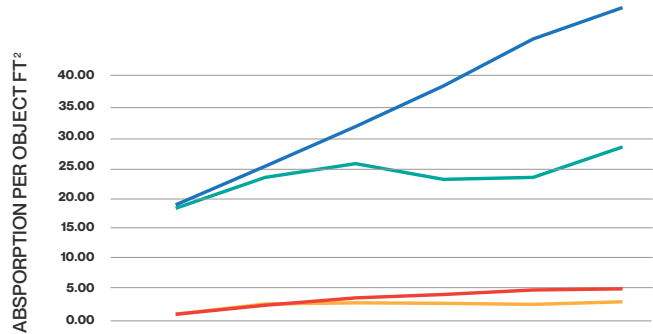
ALL SABIN PRODUCTS ARE SUBJECT TO ACOUSTIC TESTING. PERFORMANCE VALUES WILL VARY BASED ON INSTALLATION FACTORS SUCH AS DENSITY AND MOUNTING HEIGHT.

SABIN CYLINDER FAMILY ACOUSTIC PERFORMANCE

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

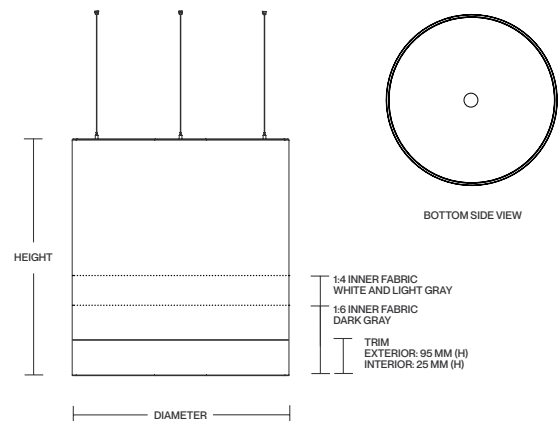


	125	250	500	1000	2000	4000
LIT ø 12 x 18"	0.97	2.91	2.91	2.91	2.80	3.01
UNLIT ø 12 x 18"	1.08	2.48	3.77	4.41	5.06	5.38
LIT ø 48 x 48"	18.73	23.25	25.40	22.93	23.25	27.88
UNLIT ø 48 x 48"	18.41	25.19	31.86	38.10	45.53	50.48

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.

DIMENSIONS + WEIGHT

SERIES	DIAMETER ¹	HEIGHT ¹
CYL-LBO	12" (300MM)	19" (475MM)
	24" (600MM)	24" (600MM)
	35" (900MM)	33" (850MM)
	47" (1200MM)	55" (1350MM)
	CD ²	112" (2850MM)
		CH ³



¹ IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE METRIC.
² CUSTOM DIAMETER AVAILABLE BETWEEN 12"-47" (300-1200MM).
³ CUSTOM HEIGHTS AVAILABLE BETWEEN 19"-112" (475-2850MM).

* ALL STANDARD DIMENSIONS ARE ECO-CONSCIOUS, MAXIMIZING MATERIAL USE AND MINIMIZING WASTE. CUSTOM DIMENSIONS RESULT IN EXCESS MATERIAL WASTE.

See Dimensions and 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 AND 9MM 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 OF ≥ 60% RECYCLED PET MATERIAL UTILIZING SEWN CONSTRUCTION TO MAXIMIZE STRENGTH, DURABILITY AND SOUND ABSORBENCY.

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" (1.6MM) AIRCRAFT CABLES, COLOR MATCHING CABLE AND GRIPPERS, INSTALLED AT FACTORY. AIRCRAFT CABLES AVAILABLE IN PRECUT LENGTHS OF 36" (915MM), 60" (1524MM), OR 120" (3048MM) WITH FABRIC-COVERED POWER CORD AND 5" (125MM) 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.