

DATE	PROJECT	FIRM	FIXTURE TYPE
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BLOCK - LIT

Block is a versatile, rectilinear product that allows one to create compositional arrays that couldn't be created before, from irregular groupings to grid-like patterns. Unlike linear arrays which imply movement and direction, Block comes together to form relatively static, calm arrays. It serves as a tool to activate the negative space within a composition; from small clusters over tables and seating areas, to large floor-wide field arrays. It ships flat packed, dozens of units per pallet, and unfolds quickly for easy installation. Altogether, Block is pragmatic. Our commitment to craft shows up in Sabin's signature sewn construction, which enables a robust and simple design.

SPECIFICATIONS

SERIES	LENGTH ¹	WIDTH ¹	HEIGHT ¹	CCT/CRI	OUTPUT (SEE CHART)	CONTROL	LUMEN OUTPUT CHART ¹																
BLK-L	13" (321MM) 24" (600MM) 48" (1231MM)	13" (321MM) 24" (600MM)	12" (300MM) 24" (600MM) 30" (750MM) 36" (925MM) CH ²	827 830 835 840 927 930 935 940	DLP LOW DSP MEDIUM DHP HIGH	10 0-10V TO 1%		<table border="1"> <thead> <tr> <th></th> <th>12 X 24"</th> <th>24 X 24"</th> <th>24 X 48"</th> </tr> </thead> <tbody> <tr> <td>LOW</td> <td>2400</td> <td>2400</td> <td>3600</td> </tr> <tr> <td>MEDIUM</td> <td>3600</td> <td>3600</td> <td>4800</td> </tr> <tr> <td>HIGH</td> <td>4800</td> <td>4800</td> <td>6000</td> </tr> </tbody> </table>		12 X 24"	24 X 24"	24 X 48"	LOW	2400	2400	3600	MEDIUM	3600	3600	4800	HIGH	4800	4800
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LOW	2400	2400	3600																				
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HIGH	4800	4800	6000																				
FELT COLOR				TRIM COLOR (OPTIONAL PREMIUM FINISH)			CORD COLOR ³																
9BS BISQUE 9OB OBSIDIAN 9BR BIRCH 9PN PINE 9CN CANARY 9PM PUMICE 9FL FLINT 9QY QUARRY 9GF GULF 9SD SAND 9HZ HAZEL 9SP SAPPHIRE 9JD JADE 9SA SIENNA 9MS MOSS 9WS WISTERIA	NT NO TRIM EM EMERALD OL OLIVE AZ AZURE FE FERN OX ONYX BF BLUFF FR FROST PO POPPY CY CLAY HI HIBISCUS SG SAGE CT CITRUS IN INDIGO SH SHELL CU CURRANT IR IRIS SK SKY DU DUNE LM LIME SL SLATE	SP SPRUCE ST STONE TM TIMBER WH WHITE PCBK BLACK PCBL BLUE PCBR BRONZE PCGR GREEN PCRD RED PCGY GRAY PCWH WHITE																					
MOUNTING		CANOPY ⁵	FACTORY OPTIONS ⁶																				
AC __ 60" AIRCRAFT CABLE + (COLOR CODE) ⁴ WEB __ 60" WEBBING + (COLOR CODE) ⁴ TRD 3/8" THREADED ROD DTS DIRECT TO STRUT DTG DIRECT TO GRID	RWH ROUND WHITE RBK ROUND BLACK SWH SQUARE WHITE SBK SQUARE BLACK	CSL __ CUSTOM SUSPENSION LENGTH 24"-120" ⁷ EM __ EMERGENCY BATTERY ⁸ CT CUSTOM THREAD ⁹ 2CP INCLUDE 2" CANOPIES FLT SHIP FLAT ¹⁰																					

1 IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE METRIC.

2 CUSTOM HEIGHTS AVAILABLE BETWEEN 8"-36" (200-925MM).

3 POWER CABLE IS 18" LONGER THAN SUSPENSION LENGTH. CONSULT FACTORY FOR LONGER LENGTHS.

4 REPLACE "___" WITH DESIRED COLOR CODE. SEE PAGE 2 FOR COLOR OPTIONS AND CODES.

5 5" (127MM) CANOPY PROVIDED FOR FEED. 2" (50.8MM) CANOPY FOR NON-FEED PROVIDED UPON REQUEST.

6 LEAVE BLANK IF NOT APPLICABLE. STRING TOGETHER MULTIPLE SELECTIONS.

7 REPLACE "___" WITH LENGTH OF DESIRED SUSPENSION.

8 REPLACE "___" WITH QUANTITY OF EM UNITS.

9 CONSULT FACTORY FOR CUSTOM THREAD COLOR OPTIONS.

10 BY DEFAULT, FIXTURES WILL SHIP ASSEMBLED - SHIPPING FLAT WILL REDUCE SHIPPING VOLUME

SEE ADDITIONAL OPTIONS FOR SIZE AND CUSTOMIZATION AT [SABIN.BUILD](#)



EXAMPLE PART NUMBER: BLK-L-13(321)-13(321)-24(600)-830-DLP-10-9PM-TM-PCBK-ACSLV-RWH

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SWATCHES

Block utilizes 9mm felt and has the option to customize color for cable and thread — and cord (for lit fixtures.)

Contact the factory for additional color options.

9MM FELT



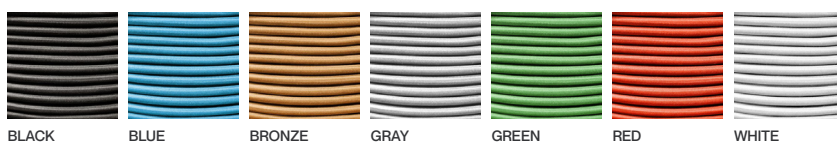
TRIM (OPTIONAL PREMIUM FINISH)



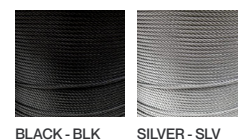
WEBBING



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.

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.

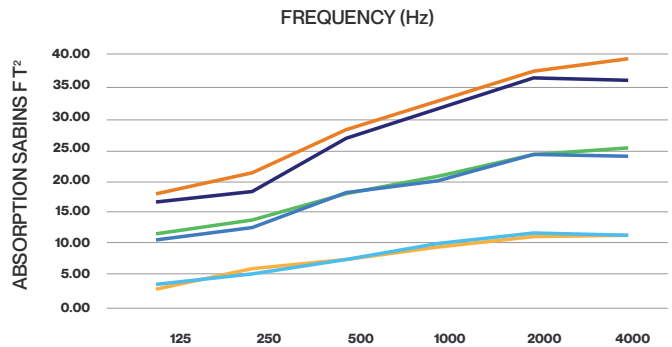
NRC NOISE REDUCTION COEFFICIENT (NRC) IS A SINGLE NUMBER VALUE RANGING FROM 0.0 TO 1.0 THAT DESCRIBES THE AVERAGE SOUND ABSORPTION PERFORMANCE OF A MATERIAL. AN NRC OF 0.0 INDICATES THE OBJECT DOES NOT ABSORB MID-FREQUENCY SOUND ENERGY, BUT REFLECTS IT. AN NRC OF 1.0 INDICATES THAT THE SOUND ABSORPTION 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 BLOCK FAMILY

ACOUSTIC PERFORMANCE



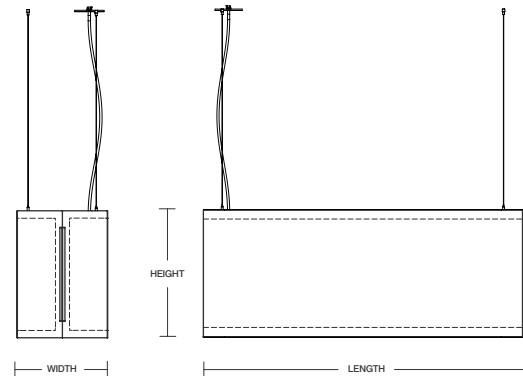
	125	250	500	1000	2000	4000
1x1x3 LIT	3.23	5.81	7.64	9.47	11.19	11.52
1x1x3 UNLIT	3.55	5.60	7.53	9.69	11.30	11.52
2x2x3 LIT	10.66	12.81	17.98	20.34	24.11	24.43
2x2x3 UNLIT	11.19	13.56	17.87	20.88	24.00	25.19
2x4x3 LIT	16.79	19.27	26.69	31.00	36.17	35.84
2x4x3 UNLIT	18.08	21.31	28.09	33.05	37.35	39.18

DIMENSIONS + WEIGHT

SERIES	WIDTH ¹	LENGTH ¹	HEIGHT ¹
BLK-L	13" (321MM)	13" (321MM)	12" (300MM)
	24" (621MM)	24" (621MM)	24" (600MM)
		48" (1231MM)	30" (750MM)
			36" (925MM)
			CH ²

¹ IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE METRIC.
² CUSTOM HEIGHTS AVAILABLE BETWEEN 8"-36" (200-925MM).

* 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

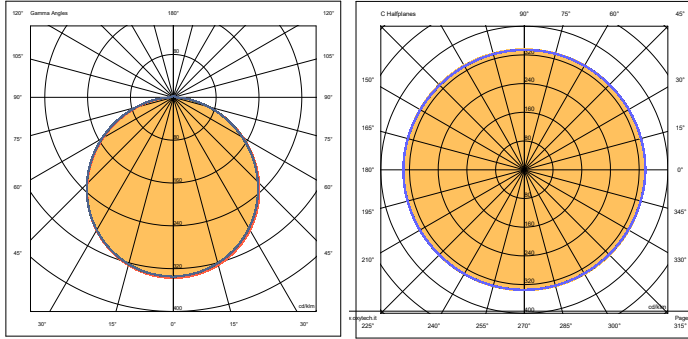
WEIGHT

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

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PHOTOMETRICS

*ACTUAL RESULTS PENDING



SIZE 2X2
 CCT 4000K
 WATTAGE 38.6 W
 LUMENS 5024 LM
 EFFICACY 130 LM/W

12X24" DIFFUSE LENS

POWER LEVEL	OUTPUT (LUMENS/FT)	ENERGY (WATTS/FT)	EFFICACY (LPW)	CCT/CRI
LOW	2432	19.8	122.83	4000/80
MEDIUM	3641.86	29.65	122.83	4000/80
HIGH	4862.77	39.59	122.83	4000/80

Actual Results Pending

24X24" DIFFUSE LENS

POWER LEVEL	OUTPUT (LUMENS/FT)	ENERGY (WATTS/FT)	EFFICACY (LPW)	CCT/CRI
LOW	2462.36	19.32	127.45	4000/80
MEDIUM	3693.53	28.98	127.45	4000/80
HIGH	4924.71	38.64	127.45	4000/80

Actual Results Pending

24X48" DIFFUSE LENS

POWER LEVEL	OUTPUT (LUMENS/FT)	ENERGY (WATTS/FT)	EFFICACY (LPW)	CCT/CRI
LOW	3665.07	29	126.38	4000/80
MEDIUM	4887.18	38.67	126.38	4000/80
HIGH	6109.29	48.34	126.38	4000/80

Actual Results Pending

CCT MULTIPLIER

CCT	3000K		3500K		4000K		5000K	
CRI	80	90	80	90	80	90	80	90
MULTIPLIER	0.95	0.855	0.975	0.878	1	0.9	1.21	1.09

Actual Results Pending

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ACOUSTIC MATERIAL

OUR 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: 11 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.

DIMMING

STANDARD 120-277V CONSTANT CURRENT DRIVER INCLUDES 0-10V ANALOG DIMMING TO 10%

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.

ESTIMATED USEFUL LIFETIME

ESTIMATED USEFUL LIFETIME BASED ON 10,000 HOUR TEST DURATOIN @ 131°F (55°C)

- L90 = 53,000 HRS
- L80 = 60,000 HRS
- L70 = 60,000 HRS

ANSI/IES TM-21 METHOD FOR EVALUATING USEFUL LIFETIME IS LIMITED TO 6X TEST DURATION (10,000 HOURS X 6 = 60,000 HOUR MAX).

ELECTRICAL

HIGH QUALITY CLASS P ISOLATED POWER SUPPLY WITH UNIVERSAL (120-277VAC) INPUT VOLTAGE. MEETS UL OPERATION RATING DRY & DAMP (IP40) MAX 185°F (85°C) FOR 50,000 HOUR LIFE. LUMINARIES ARE PRE-WIRED WITH FACTORY INSTALLED BRANCH CIRCUIT WIRING.

POWER FACTOR:
- 0.95 @ 120VAC
- 0.90 @ 277VAC

LED LIGHT ENGINE

HIGH EFFICIENCY LIGHT MODULE INCORPORATES PREMIUM LEDS WITH HEAT SINK TO MAXIMUM LIFETIME. AVAILABLE IN 2700K, 3000K, 3500K OR 4000K CCT WITH >80 CRI. COLOR ACCURACY = 2.2X SDCM @ 3500K ±65K ΔUV +0.0032

STANDARD DEVIATION COLOR MATCHING (SDCM) BASED ON ANSI STANDARD C78.377A INDICATES THE VISIBLE VARIANCE IN CORRELATED COLOR TEMPERATURE, ALSO REFERRED TO AS "MACADAM ELLIPSE".

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 IN ACCORDANCE WITH UL STANDARDS. INDOOR USE ONLY. SUITABLE FOR DRY LOCATIONS, IP20, ROHS COMPLIANT. TITLE 24 JA8-2016 FOR 90 CRI CONFIGURATIONS ONLY.

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.

OPTICS

EXTRUDED 5/32" (4MM) ACRYLIC LENS DESIGNED FOR EFFICIENT AND HOMOGENEOUS LIGHT DISTRIBUTION WITH SUPERIOR COLOR OVER ANGLE PERFORMANCE.

Declare.

PET Acoustic Felt
Sabin LLC

Final Assembly: Chicago, Illinois, USA
Life Expectancy: 50 Years
End of Life Options: Salvageable/Reusable in its Entirety, Recyclable (100%)

Ingredients:
Polyethylene Terephthalate; Benzenamine, 4-(1-methyl-1-phenylethyl)-; 1-(4-c-methyl-1-phenylethyl)benzene;
Benzenepropanoic acid, 3,5-bis(1-dimethylethyl)-4-hydroxy-, octadecyl ester; Octadecanamide, N,N'-1,2-ethanediybis-;
Stearic Acid; Titanium dioxide

Living Building Challenge Criteria:

I-13 Red List:
 LBC Red List Free % Disclosed: 100% at 100ppm
 LBC Red List Approved VOC Content: Not Applicable
 Declared

I-10 Interior Performance: Not Compliant
I-14 Responsible Sourcing: Not Applicable

SAB-0001
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