BLOCK

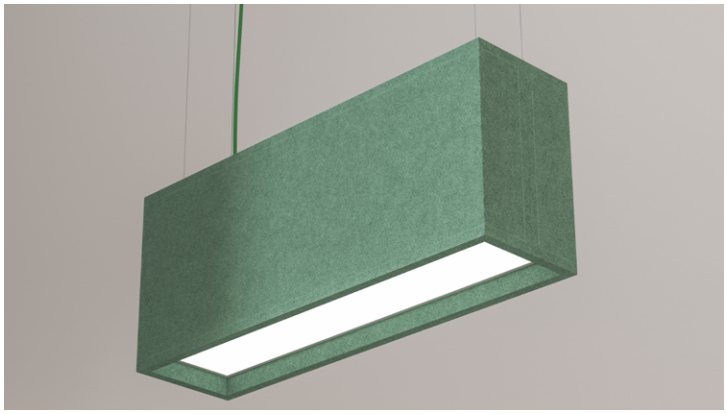
LIT - DIFFUSE

BLK-L-DF

DATE	PROJECT	CATALOG #	FIXTURE TYPE

OVERVIEW

BLOCK can do it all. The lightweight structure is crafted entirely from recycled PET acoustic material, utilizing custom cuts and folds meticulously engineered by Sabin. This design ensures full recyclability at the product's end of life. With a production and shipping time as quick as two weeks, BLOCK, both lit and unlit, is a great choice for arrays and cloud configurations within any project constraint.



QUICK FACTS

- Direct, indirect, or bidirectional light output
- Available in 2700 / 3000 / 3500 / 4000 CCT at 90+ Color Rendering Index (CRI)
- Length/width in preset dimensions ranging from 13 x 13 IN to 48 x 24 IN
- Custom heights between 8 - 36 IN
- Optional integration of motion sensors, Wi-Fi, and/or speakers
- NRC rating of .95+

SPECIFICATIONS

SERIES	LENGTH/WIDTH[1]	HEIGHT[1]
BLK-L-DF	13" X 13" (321 MM X 321 MM) 24" X 13" (621 MM X 321 MM) 48" X 13" (1231 MM X 321 MM) 24" X 24" (621 MM X 621 MM) 48" X 24" (1231 MM X 621 MM)	12" (300 MM) 24" (600 MM) 30" (750 MM) 36" (925 MM) CH__ [2]

DIRECT OUTPUT/SIZE	13" X 13"	13" X 24"	24" X 24"	13" X 48"	24" X 48"
DLP	1000 LM	2000 LM	3000 LM	3000 LM	4000 LM
DMP	1500 LM	2250 LM	4000 LM	4000 LM	5000 LM
DHP	2000 LM	2500 LM	5000 LM	5000 LM	6000 LM

INDIRECT OUTPUT[3,4]	
INA	NO OUTPUT
I750	750 LM
I1000	1000 LM
I1500	1500 LM
I2000	2000 LM
I2500	2500 LM
I3000	3000 LM
I3500	3500 LM

CRI/CCT
927K[5]
930K
935K
940K

CIRCUIT	
SC	SINGLE CIRCUIT
DC	DUAL CIRCUIT (SHARED DIMMING)

CONTROL	
10	0-10V

VOLTAGE	
UNV	120V/277V

FELT COLOR (9 MM)	
9__	REPLACE "__" WITH DESIRED COLOR CODE FROM SWATCHES

CORD COLOR[6]	
PC__	REPLACE "__" WITH DESIRED COLOR CODE FROM SWATCHES

SUSPENSION TYPE	
AC__	60" AIRCRAFT CABLE + (COLOR CODE)[7]
ST__	60" STRAP + (COLOR CODE)[7]
TRD	3/8" THREADED ROD
DT	DIRECT TO[8]

CEILING TYPE	
HC	HARD CEILING
ST	STRUT
SG	STANDARD GRID
TG	TEGULAR GRID

CANOPY[9]	
RWH	ROUND WHITE
RBK	ROUND BLACK
SWH	SQUARE WHITE
SBK	SQUARE BLACK

FACTORY OPTIONS[10]	
CSL__	CUSTOM SUSPENSION LENGTH 24"-240"[11,12]
EM	EMERGENCY BATTERY
CT__	CUSTOM THREAD + (COLOR CODE)[7]
2CP	INCLUDE 2" CANOPIES[13]
FLT	SHIP FLAT[14]
CF	CENTER FEED
BABA	BABA REQUIRED
ATC	INCLUDE ATRIUM COVER[15]

1 IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE METRIC.
2 CUSTOM HEIGHTS AVAILABLE BETWEEN 8" - 36" (200 - 925 MM).
3 MINIMUM HEIGHT OF 19" (475 MM) FOR INDIRECT OUTPUT.
4 MINIMUM LENGTH OF 19" (475 MM) FOR INDIRECT OUTPUT.
5 EXTENDED LEAD TIME.
6 POWER CABLE IS 18" LONGER THAN SUSPENSION LENGTH. CONSULT FACTORY FOR LONGER LENGTHS.
7 REPLACE "__" WITH DESIRED COLOR CODE FROM SWATCHES.
8 DIRECT TO SUSPENSION TYPE ONLY AVAILABLE ON STRUT CEILING TYPE.
9 5" (127 MM) CANOPY PROVIDED FOR FEED.
10 LEAVE BLANK IF NOT APPLICABLE. STRING TOGETHER MULTIPLE SELECTIONS.
11 REPLACE "__" WITH LENGTH OF DESIRED SUSPENSION.
12 PRODUCT HEIGHT + SUSPENSION LENGTH CANNOT EXCEED 295" (7500 MM).
13 2" (50.8 MM) CANOPIES FOR NON-FEED PROVIDED UPON REQUEST. ONLY AVAILABLE FOR CABLE OR STRAP SUSPENSION TYPES.
14 BY DEFAULT, FIXTURES WILL SHIP ASSEMBLED - SHIPPING FLAT WILL REDUCE SHIPPING VOLUME.
15 OPTIONAL ATRIUM COVER CAN BE INCLUDED IF FIXTURES WILL BE VISIBLE FROM ABOVE.

EXAMPLE CATALOG #: BLK-L-DF-13(321)-13(321)-30(750)-DHP-INA-930K-SC-10-UNV-9JD-PCWH-ACBLK-HC-RWH-2CP-ATC

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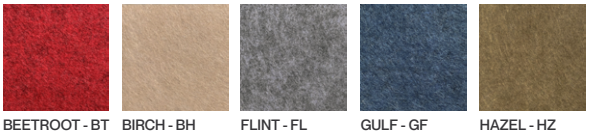
COLOR SWATCHES

BLK-L-DF

DATE	PROJECT	CATALOG #	FIXTURE TYPE

FELT



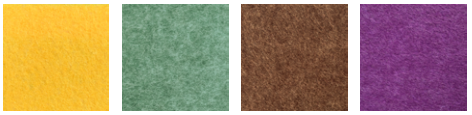
BEETROOT - BT | BIRCH - BH | FLINT - FL | GULF - GF | HAZEL - HZ



MERCURY - MY | MOSS - MO | OBSIDIAN - OB | PINE - PN | PUMICE - PU

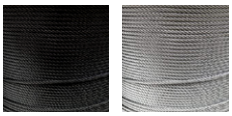


QUARRY - QY | SAFFRON - SF | SAND - SD | SAPPHIRE - SP | BISQUE - BS [1]



CANARY - CN [1] | JADE - JD [1] | SIENNA - SI [1] | WISTERIA - WS [1]

AIRCRAFT CABLE

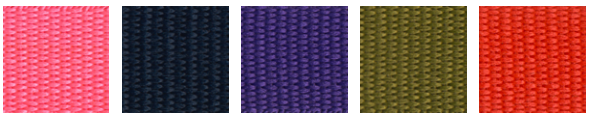


BLACK - BLK | SILVER - SLV

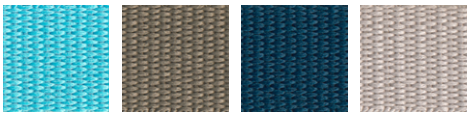
SUSPENSION STRAP



BLUFF - BF | CITRUS - CI | EMERALD - EM | FERN - FE | FROST - FS

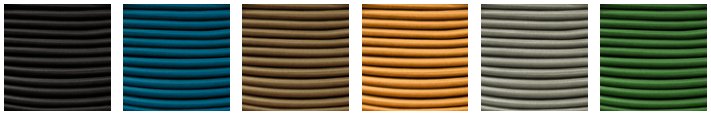


HIBISCUS - HI | INDIGO - IN | IRIS - IR | OLIVE - OL | POPPY - PO



SKY - SK | SLATE - SL | SPRUCE - SU | STONE - ST

POWER CORD

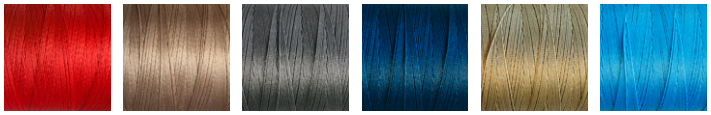


BLACK - BK | BLUE - BL | BRONZE - BR | CLAY - CY | GRAY - GY | GREEN - GR

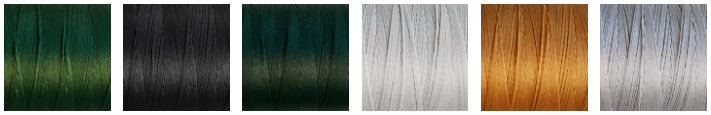


OLIVE - OL | RED - RD | STONE - ST | TIMBER - TM | WHITE - WH

THREAD [2]



504 // BT | 475 // BH | 415 // FL | 485 // GF | 380 // HZ & QY | 8470 // MY



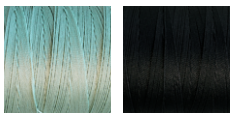
842 // MO | 1452 // OB | 846 // PN | 411 // PU | 177 // SF | 321 // SD



827 // SP | 637 // BS [1] | 8964 // CN [1] | 8973 // JD [1] | 175 // SI [1] | 7377 // WS [1]



70115 [1] | 416 [1] | 163 [1] | 8834 [1] | 8186 [1] | 7463 [1]



1095 [1] | 4000 [1]

1 ONLY BY SPECIAL ORDER AFTER JAN 1ST 2027.
2 BY DEFAULT, THREAD COLOR WILL MATCH SPECIFIED FELT SELECTION. DEFAULT MATCHES INDICATED BY GREY TEXT FOLLOWING THREAD CODE.
* COLORS ARE SUBJECT TO SLIGHT VARIATION FROM YOUR SCREEN OR PAPER TO THE FINISHED PRODUCT.

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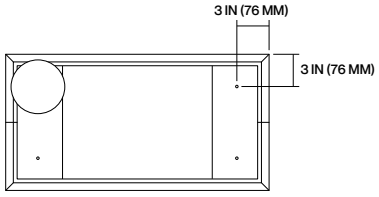
DIMENSIONS

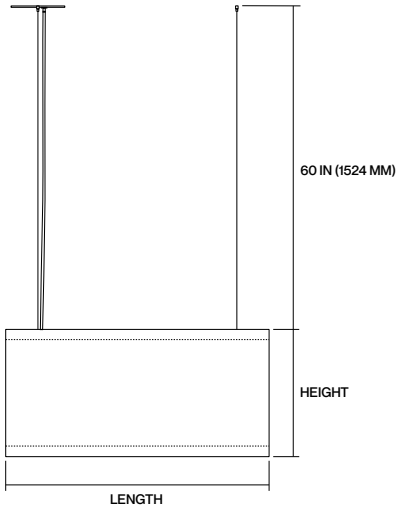
BLK-L-DF

DATE	PROJECT	CATALOG #	FIXTURE TYPE

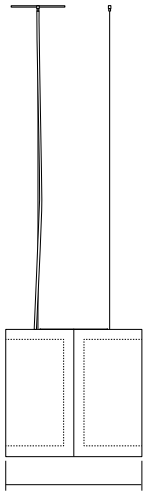
TOP



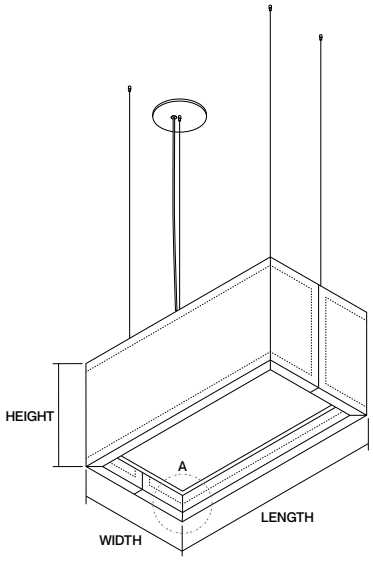
FRONT



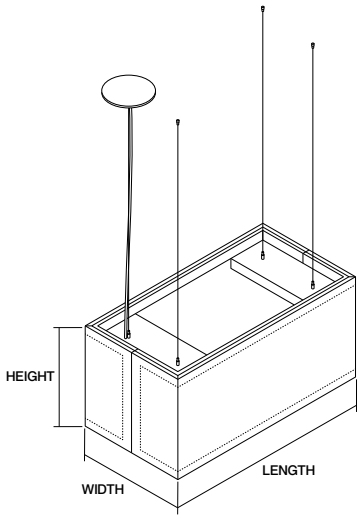
SIDE



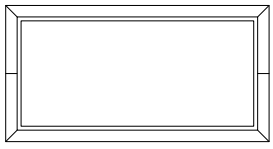
BOTTOM ISO

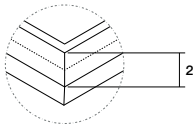


TOP ISO



BOTTOM





DETAIL A
LIGHT PANEL REGRESSED INTO FIXTURE

1 IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE METRIC.
2 PLEASE CONSULT THE FACTORY FOR WEIGHTS SPECIFIC TO CONFIGURATION.

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SUSPENSION TYPES

BLK-L-DF

DATE	PROJECT	CATALOG #	FIXTURE TYPE

	HARD CEILING	STRUT	STANDARD GRID	TEGULAR GRID
AIRCRAFT CABLE COUPLER 60" AIRCRAFT CABLE PRE-INSTALLED GRIPPER	ANCHOR [1]	P1000 STRUT CHANNEL 1 5/8" [1] STRUT NUT WITH STUD	CEILING GRID [1] 9/16" OR 15/16" T-BAR OR TWIST CLIP [2]	CEILING GRID [1] TEGULAR CLIP
STRAP WEBBING SUSPENSION ADAPTER 60" STRAP PRE-INSTALLED CAM BUCKLE	ANCHOR [1]	P1000 STRUT CHANNEL 1 5/8" [1] STRUT NUT WITH STUD	CEILING GRID [1] 9/16" OR 15/16" T-BAR OR TWIST CLIP [2]	CEILING GRID [1] TEGULAR CLIP
THREADED ROD 3/8" THREADED ROD [1] THREADED ROD ADAPTER PRE-INSTALLED THREADED INSERT	ANCHOR [1]	P1000 STRUT CHANNEL 1 5/8" [1] STRUT NUT WITH SPRING		
DIRECT TO PRE-INSTALLED THREADED INSERT		1/4"-20 BOLT 4" P1000 STRUT CHANNEL 1 5/8" [1] WASHER		

1 NOT PROVIDED
2 CONSULT FACTORY

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ACOUSTIC PERFORMANCE

BLK-L-DF

TECHNICAL DATA

DATE	PROJECT	CATALOG #	FIXTURE TYPE

BLOCK

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.

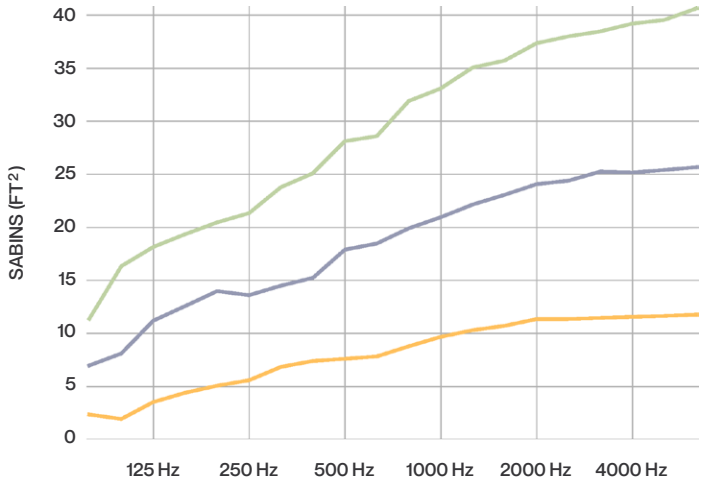
Projected NRC = .95

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.

BLOCK

ACOUSTIC PERFORMANCE



	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
L13 W13 H35	3.5	5.6	7.6	9.7	11.3	11.5
L24 W24 H35	11.2	13.6	17.9	20.9	24.1	25.1
L48 W24 H35	18.1	21.3	28.1	33.1	37.3	39.2

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LIGHTING PERFORMANCE

BLK-L-DF

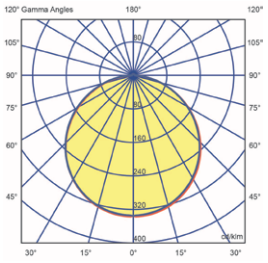
TECHNICAL DATA

DATE	PROJECT	CATALOG #	FIXTURE TYPE

BLOCK

LIT - DIFFUSE

PHOTOMETRIC PLOTS



DELIVERED LUMENS AND ENERGY USAGE [1]

OPTIC	OUTPUT	DELIVERED (LM)	ENERGY (W)	EFFICACY (LPW)
13" X 13" (321 MM X 321 MM)	DLP (1000 LM)	1048	9.46	110.78
	DMP (1500 LM)	1517	14.16	107.15
	DHP (2000 LM)	1957	19.39	100.93
13" X 24" (321 MM X 621 MM)	DLP (2000 LM)	1973	18.08	109.14
	DMP (2250 LM)	2266	21.18	106.97
	DHP (2500 LM)	2635	25.35	103.93
24" X 24" (621 MM X 621 MM)	DLP (3000 LM)	3344	24.81	134.78
	DMP (4000 LM)	3886	29.23	132.94
	DHP (5000 LM)	5061	39.73	127.38
13" X 48" (321 MM X 1231 MM)	DLP (3000 LM)	3347	24.75	135.22
	DMP (4000 LM)	3866	29.04	133.12
	DHP (5000 LM)	5071	39.82	127.34
24" X 48" (621 MM X 1231 MM)	DLP (4000 LM)	3921	27.93	140.40
	DMP (5000 LM)	5218	38.51	135.51
	DHP (6000 LM)	6188	47.09	131.42

CCT MULTIPLIER

CCT	CRI	MULTIPIER
2700K	90	0.925
3000K	90	0.974
3500K	90	1.000
4000K	90	0.996

1 BASED ON 3500K, 90+ CRI. LUMEN OUTPUT AND WATTAGE MAY VARY +/-5%.

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0-10V

5 YEAR WARRANTY

MADE IN THE USA

NOTES

BLK-L-DF

DATE	PROJECT	CATALOG #	FIXTURE TYPE

ACOUSTIC MATERIAL

Our PET (polyester) felt panels contain minimum 60% post-consumer recycled polyester staple fiber. It is moisture resistant, fire rated, recyclable, and an outstanding absorber of acoustic energy.

- Fire retardant: ASTM E84 Class A, EN13501 Class B
- Construction: 100% polyester fiber (PET)
- Material certifications: OEKO-TEX® Standard 100, SCS Recycled Content, and Declare

CARE

Acoustic PET felt: Remove dust with compressed air, a vacuum or lint roller. Aluminum & polymer components: Remove dust and debris with a clean, dry, lint-free cloth.

CERTIFICATES/LISTING

This product is ETL listed and tested to meet UL standards for lit configurations. It complies with NEC and ANSI/NFPA 70 requirements, is RoHS compliant, and rated IP20 for use in dry, indoor locations only. 90 CRI configurations also meet Title 24 JA8-2016 requirements. Additionally, this product is GREENGUARD Gold certified and holds Declare, OEKO-TEX® Standard 100, and SCS Recycled Content certifications.

CONSTRUCTION

Acoustic luminaire comprised of ≥ 60% recycled PET material utilizing sewn construction to maximize strength, durability, and sound absorbency.

DIMMING (LIT ONLY)

Standard 120-277V constant current driver includes 0-10V analog dimming to 1%. Options for Lutron EcoSystem at 120/277V, TRIAC/ELV DALI, DMX, and Warm Dim available on select products. Consult factory.

ELECTRICAL (LIT ONLY)

High quality Class P isolated power supply with universal (120-277VAC) and 347V 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
- 0.90 @ 347VAC

For fixtures specified with an emergency battery/driver: 6W-20W integral battery (output dependent) with self-testing/metal test switch/indicator light (bi-color). Up to 15% of total lumen output for a minimum of 90 minutes. Listed to UL924 and tested to CSA 22.2 No.141 Field or Factory Installation (Indoor and Damp). Output Class 2 Compliant. Input CEC Title 20 Compliant.

ESTIMATED LIFETIME (LIT ONLY)

L70 = >60,000 Hours. Luminous flux maintenance life L70(9k) based on IES TM-28-147 9000-hour test at Ta= 45°C.

CONSULT FACTORY FOR SPECIFIC PRODUCT CONFIGURATIONS.

LED LIGHT ENGINE (LIT ONLY)

Light module incorporates premium LEDs with heat sink to maximum lifetime. Available in 2700K, 3000K, 3500K or 4000K CCT with ≥90 CRI. Color accuracy = minimum 2.2x SDCM @ 3000K ±66K ΔUV +0.0004 Standard deviation color matching (SDCM) based on ANSI standard C78.377A indicating the visible variance in correlated color temperature, also referred to as “MacAdam ellipse.”

MOUNTING

Suspended by various methods including 1/16” aircraft cable, straps, grid clips or 3/8” threaded rod (adapters provided, threaded rod by others). Aircraft cable is available in precut lengths of 60” (1524 MM) or custom length from 24” (600 MM) to 240” (6096 MM). For lit units, fabric-covered power cord is provided along with a 5” (127 MM) feed canopy.

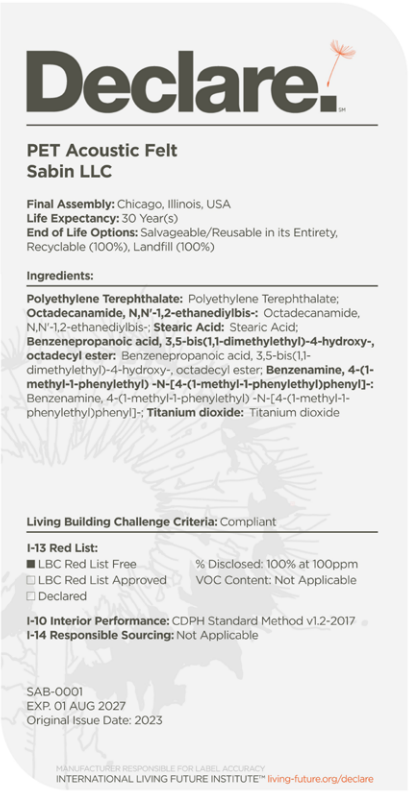
OPTICS (LIT ONLY)

Injection molded, cut or extruded acrylic lens designed for efficient and homogeneous light distribution with superior color over angle performance. Beam control available on select configurations down to 15° and up to +90°. Optics are field changeable.

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.





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