

DATE	PROJECT	FIRM	FIXTURE TYPE
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LINEAR 60 - LIT

Linear 60 is our flagship linear acoustic luminaire - a modern approach to the classic ceiling baffle. Linear 60 advances the state of the art through carefully executed craft, fit and finish. Through the integration of acoustic materials and high-performance LEDs, the Linear 60 is an elegant, comprehensive solution to acoustical and lighting needs. Our commitment to craft shows up in Sabin's signature sewn construction, which enables a robust and simple design. Sabin's family of linear products share a common design language. These products are intended to work together as part of larger arrays, selected according to lighting, acoustic and budgetary requirements.

SPECIFICATIONS

SERIES	LENGTH ^{1,4,7}	HEIGHT ¹	CCT/CRI	CIRCUIT	DIRECT OUTPUT	INDIRECT OUTPUT
L-60	38" (953MM) 49" (1253MM) 61" (1553MM) 74" (1878MM) 86" (2178MM) 92" (2328MM) CL ²	6" (150MM) 7" (185MM) 11" (285MM) 16" (400MM) 20" (500MM) 23" (585MM) CH ³	927 930 935 940	SS SINGLE CIRCUIT DC DUAL CIRCUIT (SHARED DIMMING)	DNA NO OUTPUT DVL 100LM/FT DLP 200LM/FT DSP 300 LM/FT DHP 400 LM/FT DVH 500 LM/FT	INA NO OUTPUT IVL 125LM/FT ILP 250LM/FT ISP 375 LM/FT IHP 500 LM/FT IVH 625 LM/FT IVVH 800 LM/FT
DIRECT OPTIC	INDIRECT OPTIC ⁸	CONTROL	FELT COLOR ⁶		CORD COLOR	
DDL DIFFUSE LENS	INO NO OPTIC IBW BATWING	10 0-10V	9BR BISQUE 9HZ BIRCH 9FL FLINT 9HZ HAZEL 9JD JADE 9OB OBSIDIAN 9PN PINE	9PM PUMICE 9SD SAND 9SP SAPPHIRE 9SA SIENNA	PCBK BLACK PCBL BLUE PCBR BRONZE PCGR GREEN PCRD RED PCGY GRAY PCWH WHITE	
CABLE		CANOPY ⁵	CEILING HARDWARE			
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 LENGTHS AVAILABLE BETWEEN 38" - 92" (953-2328MM).

3 CUSTOM HEIGHTS AVAILABLE BETWEEN 6" - 23" (150-585MM).

4 FLINT AND PUMICE LENGTHS CAN BE SPECIFIED UP TO 2790MM.

5 5" (127MM) CANOPY PROVIDED. 2" (50.8MM) CANOPY PROVIDED UPON REQUEST.

6 CUSTOM THREAD COLORS AVAILABLE. CONSULT FACTORY.

7 MINIMUM LENGTH FOR BI-DIRECTIONAL IS 49" (1253MM).

8 120" DISTRIBUTION ACHIEVED AS A RESULT OF THERE BEING NO OPTIC.

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

EXAMPLE PART NUMBER: L-60-49(1253)-11(285)-927-SS-DVH-ISP-DDL-INO-10-9JD-PCWH-36SLV-WH-CHS

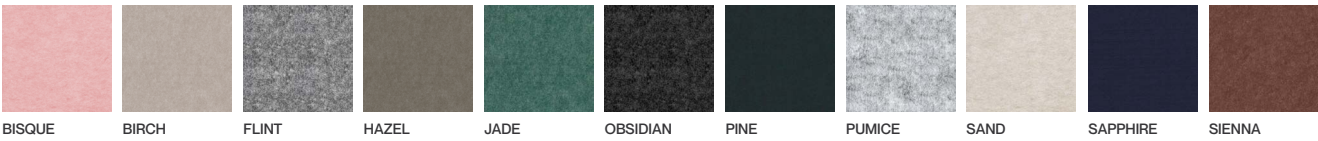
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SWATCHES

Linear 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.

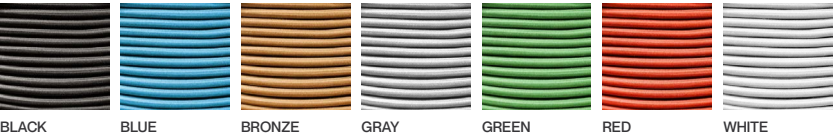
9MM FELT



CABLE



CORD



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.

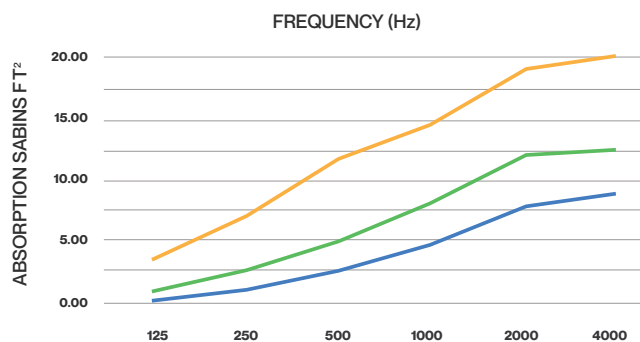
NRC NOISE REDUCTION COEFFICIENT (NRC) IS A SINGLE NUMBER VALUE RANGING FROM 0.0 TO 1.0 THAT DESCRIBES THE AVERAGE SOUND ABSORPTION PERFORMANCE OF A MATERIAL. AN NRC OF 0.0 INDICATES THE OBJECT DOES NOT ABSORB MID-FREQUENCY SOUND ENERGY, BUT REFLECTS IT. AN NRC OF 1.0 INDICATES THAT THE SOUND ABSORPTION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

PROJECTED PERFORMANCE



UNLIT 6x94x2	0.22	1.08	2.69	4.84	7.97	9.04
UNLIT 11x94x2	0.97	2.69	5.27	8.29	12.16	12.70
UNLIT 23x94x2	3.44	7.00	11.84	14.75	19.38	20.24

DIMENSIONS + WEIGHT

SERIES	LENGTH ^{1,4,6}	HEIGHT ¹	WIDTH ¹
L-60	38" (953MM)	6" (150MM)	2" (60MM)
	49" (1253MM)	7" (185MM)	
	61" (1553MM)	11" (285MM)	
	74" (1878MM)	16" (400MM)	
	86" (2178MM)	20" (500MM)	
	92" (2328MM)	23" (585MM)	
	CL ²	CH ³	
	CR ⁵		

¹ IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE METRIC.

² CUSTOM LENGTHS AVAILABLE BETWEEN 38" - 92" (953-2328MM).

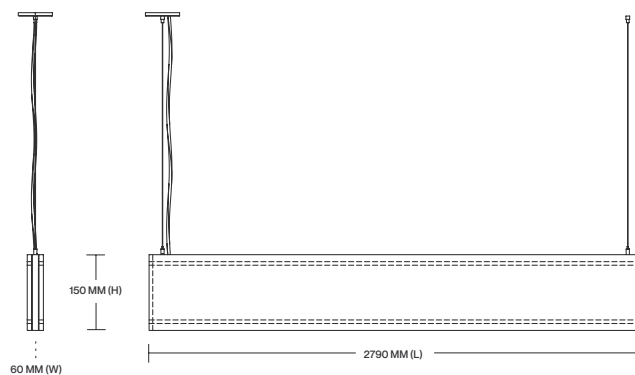
³ CUSTOM HEIGHTS AVAILABLE BETWEEN 6" - 23" (150-585MM).

⁴ FLINT AND PUMICE LENGTHS CAN BE SPECIFIED UP TO 2790MM.

⁵ CONTINUOUS RUN COMING SOON.

⁶ ILLUMINATED SECTION OF FIXTURE IS 2" (53MM) SHORTER THAN TOTAL FIXTURE LENGTH.

* 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

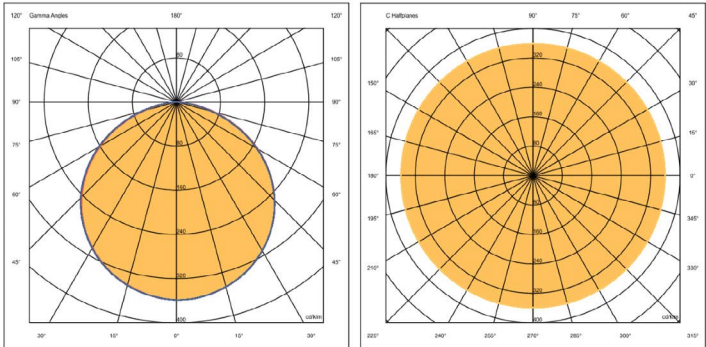
PLEASE CONSULT THE FACTORY FOR PRODUCT WEIGHTS BASED ON CONFIGURATION AND PART NUMBERS.

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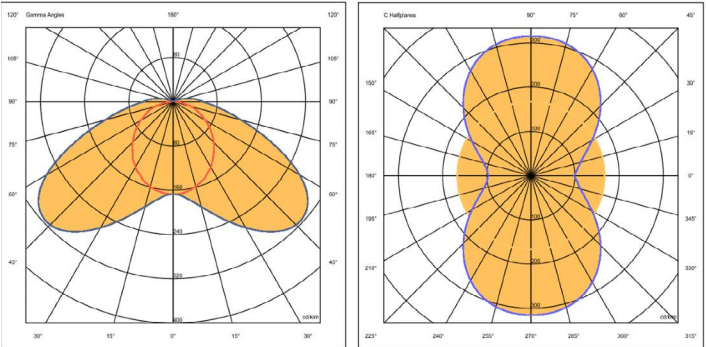
PHOTOMETRICS

*ACTUAL RESULTS PENDING

120 DEGREE OPTIC



BATWING OPTIC



DIFFUSE LENS (DIRECT ONLY) Actual Results Pending				
POWER LEVEL	OUTPUT (LUMENS/FT)	ENERGY (WATTS/FT)	EFFICACY (LPW)	CCT/CRI
VERY LOW	87.75	0.665	131.95	3500/90
LOW	176.5	1.3425	131.47	3500/90
STANDARD	267	2.035	131.20	3500/90
HIGH	360.75	2.74	131.66	3500/90
VERY HIGH	454.75	3.46	131.43	3500/90

BATWING (INDIRECT ONLY) Actual Results Pending				
POWER LEVEL	OUTPUT (LUMENS/FT)	ENERGY (WATTS/FT)	EFFICACY (LPW)	CCT/CRI
VERY LOW	83	0.9025	91.97	3500/90
LOW	167.75	1.83	91.67	3500/90
STANDARD	255.25	2.7775	91.90	3500/90
HIGH	343	3.75	91.47	3500/90
VERY HIGH	434.5	4.7475	91.52	3500/90
VERY VERY HIGH	564.5	6.19	91.20	3500/90

120 DEGREE NO OPTIC (INDIRECT ONLY) Actual Results Pending				
POWER LEVEL	OUTPUT (LUMENS/FT)	ENERGY (WATTS/FT)	EFFICACY (LPW)	CCT/CRI
VERY LOW	117	0.8325	140.54	3500/90
LOW	237.25	1.6875	140.59	3500/90
STANDARD	360.5	2.5625	140.68	3500/90
HIGH	487	3.46	140.75	3500/90
VERY HIGH	615.5	4.38	140.53	3500/90
VERY VERY HIGH	803.25	5.71	140.67	3500/90

CCT MULTIPLIER Actual Results Pending				
CCT	2700K	3000K	3500K	4000K
MULTIPLIER	0.96	0.975	1	1.03

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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%

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.

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".

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.

ESTIMATED USEFUL LIFETIME

ESTIMATED USEFUL LIFETIME BASED ON 10,000 HOUR TEST DURATION @ 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).

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 .06" (1.52MM) ACRYLIC LENS DESIGNED FOR EFFICIENT AND HOMOGENEOUS LIGHT DISTRIBUTION WITH SUPERIOR COLOR OVER ANGLE PERFORMANCE.

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.

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