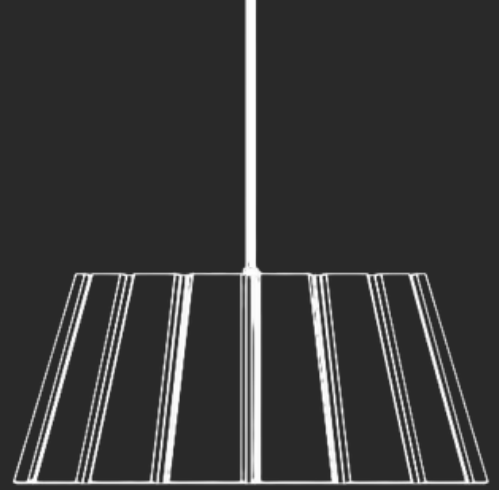


kendila



ECHO

Acoustic Series

Datasheet. V01

Architectural Collection

www.kendila.com

Project:
Specifier:

Type:
Date:

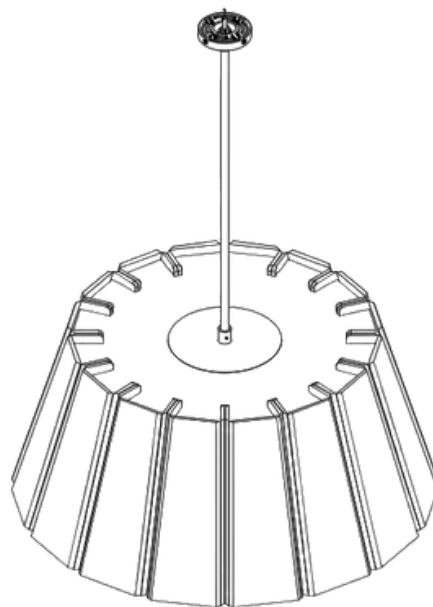


KEY FEATURES

- Highly effective noise absorption
- 2 sizes and a wide range of colors
- High performance LED light engine
- UGR<19
- Customizable Stem height
- L70 lifetime rating of 50,000 hours
- Available in ceiling Mount

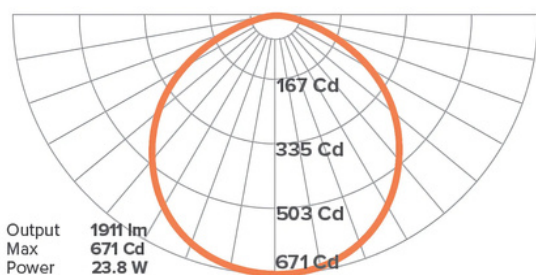
OPTIONAL SPECIFICATIONS

- Flexible number of side walls
- 0.1% dimming option
- Custom color for the canopy and stem
- Dynamic Warm, Dynamic White Option
- Custom Lumen Output

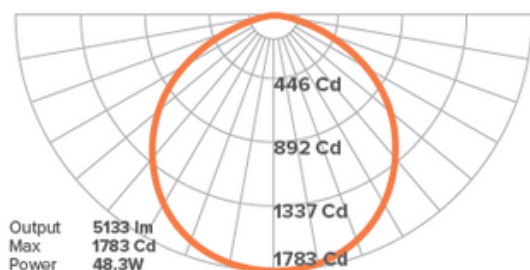


OPTICAL DISTRIBUTION

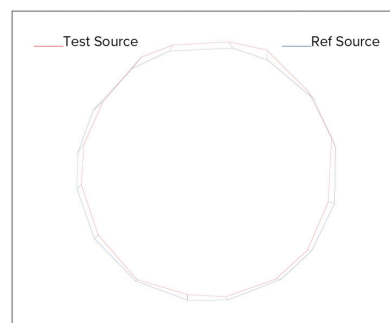
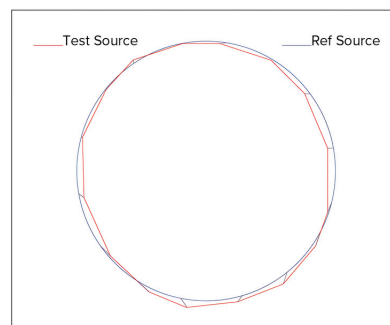
D-20" Version



D-37" Version



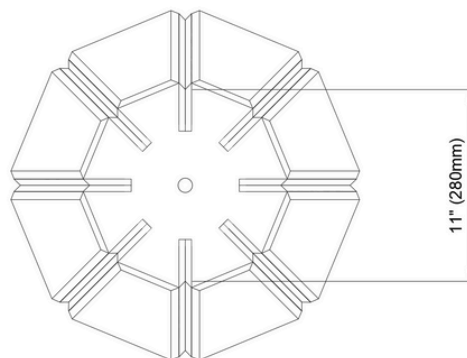
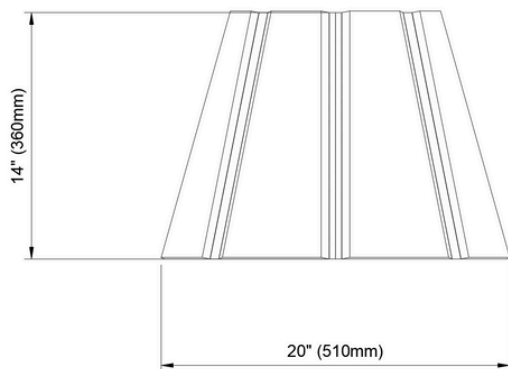
COLOR VECTOR GRAPHIC



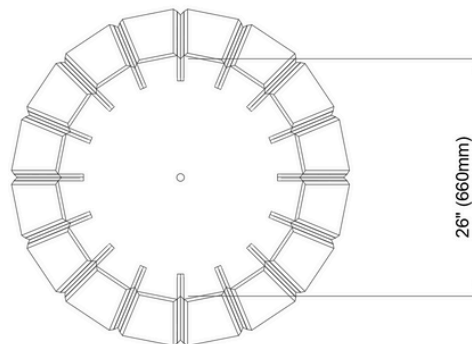
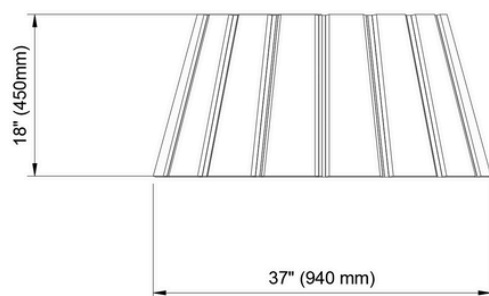


OVERAL DIMENSIONS

D-20" Version



D-37" Version



ELECTRICAL

Input Voltage

AC120-277V

CCT & CRI

2700K, 3000K, 3500K, 4000K, 5000K
80+CRI, 90+CRI

Power

20" Diameter - 12W
37" Diameter - 23W

Lumen Output

20" Diameter - 1200 Lumens
37" Diameter - 3200 Lumens

MECHANICAL

Material

Housing - Recycled PET Felt
Mechanism - Aluminium and Mild Steel

Material Thickness

8.5 to 9mm

Mounting & Application

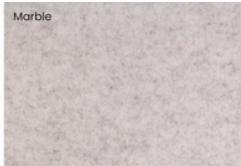
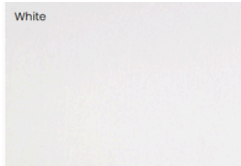
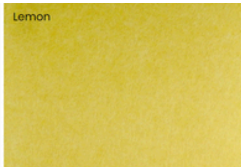
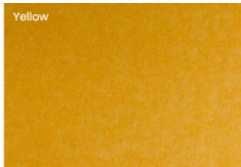
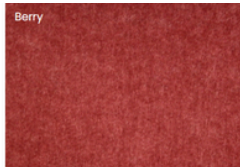
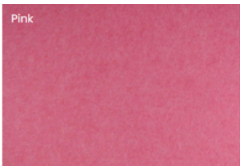
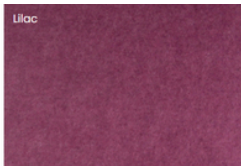
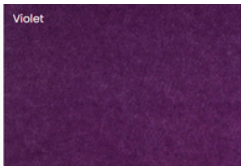
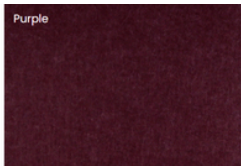
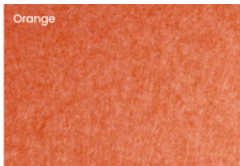
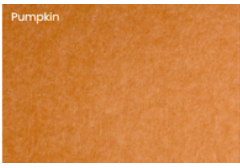
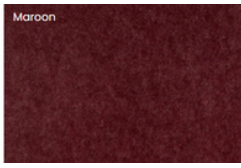
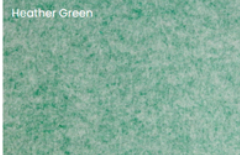
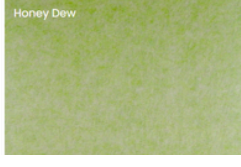
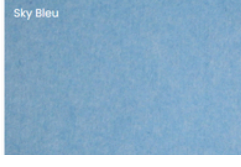
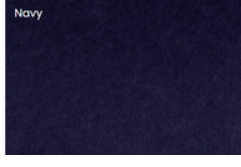
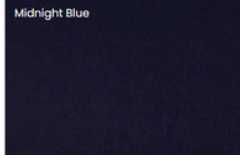
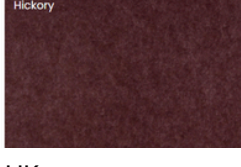
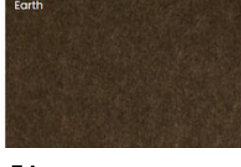
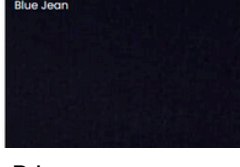
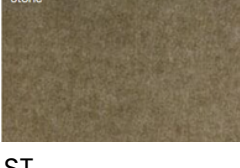
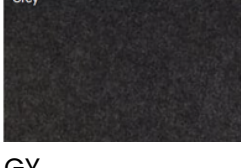
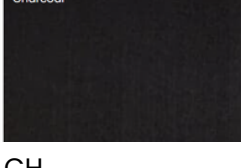
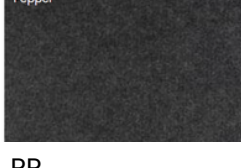
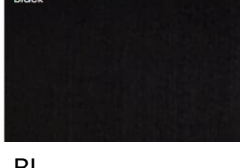
Hardwired Pendant Light

Diffuser

PET High Performance Diffuser + Acrylic



DESIGNER FELT FINISHES

 Sand Dollar	 Oat	 Marble	 White	 Periwinkle
SD	OA	MA	WH	PW
 Salmon	 Lemon	 Yellow	 Red	 Berry
SA	LE	YE	RE	BE
 Pink	 Lilac	 Violet	 Purple	 Orange
PI	LL	VL	PR	OR
 Pumpkin	 Maroon	 Pear	 Lime	 Green
PM	MR	PE	LM	GR
 Heather Green	 Honey Dew	 Sky Bleu	 Navy	 Midnight Blue
HG	HD	SB	NV	MB
 Teal	 Hickory	 Brown	 Earth	 Blue Jean
TL	HK	BW	EA	BJ
 Stone	 Grey	 Charcoal	 Pepper	 Black
ST	GY	CH	PP	BL



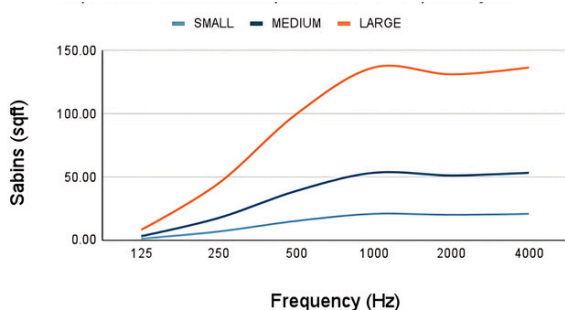
MATERIAL SPECIFICATIONS

- Color Fastness to Light : ISO 105-B02-1994 Rating: 6-7
- Fire Test : ASTM E-84-14 (Class A, FSI:20 - SDI:450)
- Environmental : PET GreenTag Certification / GreenRate: Level A
- Thermal Transition : ASTM C518-2010. R- Value = 0.30 m²K/W
- Sound Absorption : Noise reduction coefficient (NRC) = 0.85
- VOC Emissions : ASTM D5116 Rate: < 0.01 mg/m²/hr (7 days)

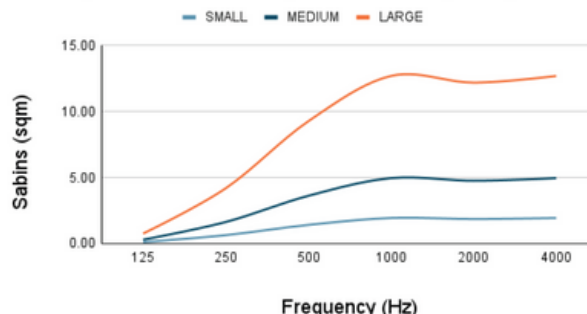
ACOUSTIC PROPERTIES

- AS ISO 354-2006 (R2016) : Measures sound absorption in a reverberation room
- AS ISO 11654-2002 : Rating of sound absorption—Materials and systems
- ASTM C423-17 : Standard Test Method for Sound Absorption Coefficients
- ASTM E795-16 : Practices for Mounting Test Specimens During SA Tests
- ISO 20189 : Screens, furniture and single objects intended for interior use

Equivalent sound absorption area in sq.ft per object



Equivalent sound absorption area in sq.m per object



Imperial Sabins

Frequency (Hz)	Sound Absorption Coefficient	20" Diameter	37" Diameter
125	0.06	1.26	3.21
250	0.33	6.90	17.63
500	0.73	15.27	38.99
1000	1	20.92	53.42
2000	0.96	20.08	51.28

Metric Sabins

Frequency	Sound Absorption	20" Diameter	37" Diameter
125	0.06	0.12	0.30
250	0.33	0.64	1.64
500	0.73	1.42	3.62
1000	1	1.94	4.96
2000	0.96	1.87	4.76
4000	1	1.94	4.96

The Sabin data shown above is in accordance with the latest International Standards for the rating of sound absorption and reduction. This is different from the classic methodology, which includes the calculation of the Noise Reduction Coefficient (NRC), the Sound Absorption Average(SAA), the Weighted Sound Absorption Coefficient (aw) and the Sound Absorption Class (SAC).



HOW TO SPECIFY

ARC	AEC						
Collection	Product	Size / Diameter	Felt Finish Code	Stem Length (in)	Light Engine	CCT & CRI	Nbr of Side Walls (Optional)
ARC	AEC	20	XX	XXX	STD	27KS	XX
Architectural	ECHO	20" Diameter	Felt Code		E26 LED Bulb	2700K/80CRI	
		37			LED	30KS	
		37" Diameter			COB LED Light	3000K/80CRI	
		XX				35KS	
		Custom				3500K/80CRI	
						40KS	
						4000K/80CRI	
						50KS	
						5000K/80CRI	
						Replace S with H for 90CRI	

- Please specify if 0-10V 10% dimming is required, Remote driver (Extra \$)
- Stem and canopy will always be supplied in Matt White unless specified otherwise.
- Product comes in flatpack packaging, specify if an assembled product is required (Extra \$)
- Non standard Side wall number can be applied upon request, minimum achievable side walls per configuration is already the standard

TERMS & NOTICE

Kendila reserves the right to change the specification, material and colors at any time without notice. Standard warranty terms and conditions apply.

All dimensions and values on specification sheet are nominal.

- K-SSV01-ARC-ECHO-EN : October 2024

COMPLIANCE & WARRANTY

