



HELM AC (LX-HH)

TYPE: LX-HH-

KEY FEATURES

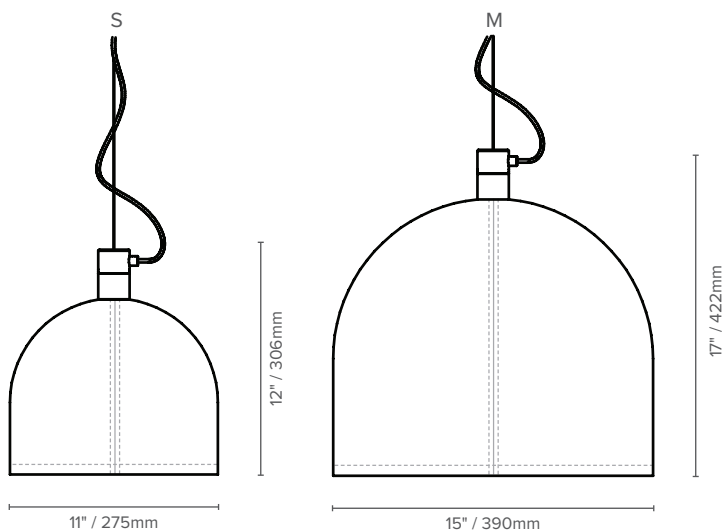
- High-performance lumen output
- A minimalistic design that blends seamlessly into any space
- Thermo-formed felt shell manufactured from recycled plastics
- Hand-upholstered exterior from rapidly renewable and biodegradable wool
- UGR<19
- Highly effective noise absorption
- 3 sizes and 77 wool colors
- 9' / 2.740mm length of black woven power cable per fixture
- IES / LDT photometric files available
- E27/E26 lamp holder option

OPTIONAL EXTRAS

Additional options available upon request:

- POE
- Bluetooth controller (US & EU)
- Tunable White output
- White canopy and power cord
- BABA Act Certificate

SIZE, OUTPUT AND WEIGHT

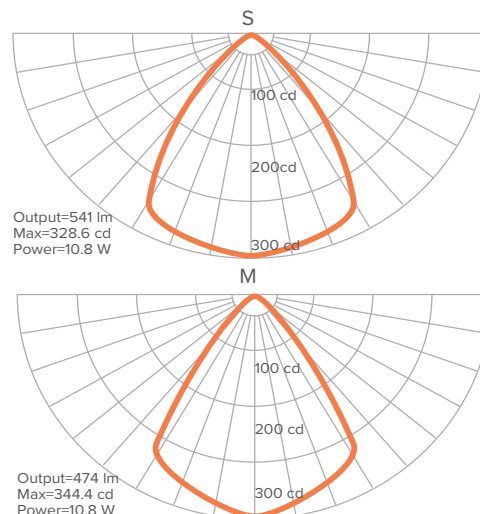


	S	M
Delivered Lumen Output	541 lm	474 lm
Wattage	10.8 W	
Efficacy	50 lm/W	43.8 lm/W
CRI	90+	
UGR	<12.7	<8.8
Beam Angle	80°	72°
CCT	3000, 3500, 4000 K	



standard interior in grey

LUMINOUS INTENSITY DISTRIBUTION



ORDER CODE

EXAMPLE: LX - HH - M - 1N - 40 - G - RD

(Luxbox Helm AC, Size M (15" x 17" / 390mm x 422mm), Wool option 1N, 4000K, Global 220-240V 1% dimming DSI/DALI, Remote driver)

EXAMPLE: LX - HH - M - 1N - E27

(Luxbox Helm AC, Size M (15"x17" / 390x422mm), Wool option 1N, with an E27 lamp holder)

LX - HH									
PRODUCT CODE	SIZE		SHADE COLOR	COLOR TEMP		DRIVER / DIMMING		DRIVER TYPE	
HH	S	11" x 12" (275 x 306mm)	Use color codes as shown on pg. 2	30	3000K (LED+Glass Diffuser)	UNV	0 - 10V - 1% dimming (120-277V) (North America)	CD	Canopy concealed driver (UNV/North America only)
	M	35		3500K (LED+Glass Diffuser)	G		1% dimming DSI/DALI (220 - 240V)**		RD
		40		4000K (LED+Glass Diffuser)					
				*E26		E26 Lamp holder - 120V AC (North America)			
	*E27	E27 Lamp holder - 220-240V AC (Global)							

* Please note the globe or driver will not be supplied with the E26/E27 option for this fixture. | ** Global (G) dimming type is available with Remote driver (RD) only

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WOOL UPHOLSTERED



NOTE: All seams in contrast stitching.

FELT FINISH

This version doesn't include any upholstery or stitching. To specify this option use color code SG (Silver Gray). In this instance, the inside of the shade will be in the same color/finish as the outside. See comparison between Wool Upholstered and Felt Finish below for reference.

NOTE: We used Wool Option 3S as an example. This would apply to all Wool options available.

FELT FINISH

INSIDE



SG

OUTSIDE



SG

WOOL UPHOLSTERED

INSIDE



SG

OUTSIDE

3S



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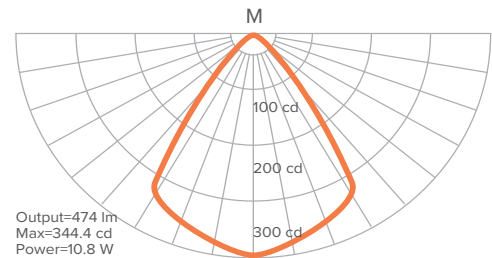
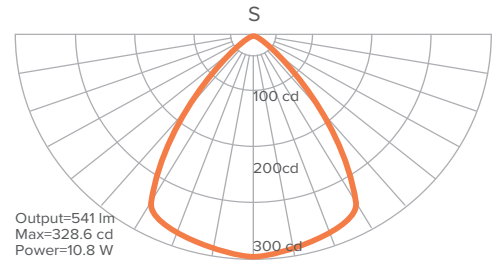
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PHOTOMETRICS

LIGHT SOURCE SPECIFICATIONS

	S	M
Delivered Lumen Output	541 lm	474 lm
Wattage	10.8 W	
Efficacy	50 lm/W	43.8 lm/W
CRI	90+	
UGR	<12.7	<8.8
Beam Angle	80°	72°
CCT	3000, 3500, 4000 K	

LUMINOUS INTENSITY DISTRIBUTION



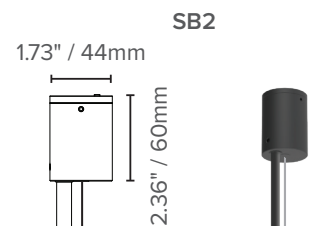
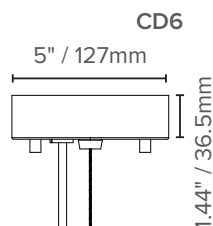
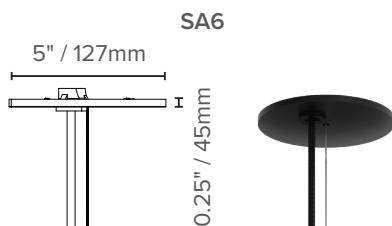
DRIVER INFORMATION

		WATTAGE	MAX VOLTAGE (V)	COMPLIANCE
UNIVERSAL (UNV) 0-10V - 10% dimming 110 - 277VAC (North America)	S / M	14.5 W	22-42VDC	
GLOBAL (G) 0-10V - 1% dimming 220 - 240VAC DSI DALI	S / M	14.5 W	22-42VDC	

CANOPY INFORMATION

Please note power cord and canopy will always be supplied in black unless specified otherwise.

	UNV (North America)	Global
	RD	RD
S / M	SA6	SB2



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MATERIAL SPECIFICATIONS

COLOR FASTNESS TO LIGHT:	ISO 105-B02:1994 Rating: 6-7
FIRE TEST:	AS 1530.3 / ISO 9705: Group 1 / GB8624 B1 / ASTM E-84-14 (Class A, FSI:20 - SDI:450) / BS EN13501-1:2007+A1:2009 (B-s1, d0)
ENVIRONMENTAL:	PET: GreenTag Certification / GreenRate: Level A
THERMAL TRANSITION:	ASTM C518-2010. R- Value = 0.30 m ² K/W
SOUND ABSORPTION:	AS ISO 354 – 2006 / Noise reduction coefficient (NRC) = 0.85
VOC EMISSIONS:	ASTM D5116 Rate: < 0.01 mg/m ² /hr (7 days)

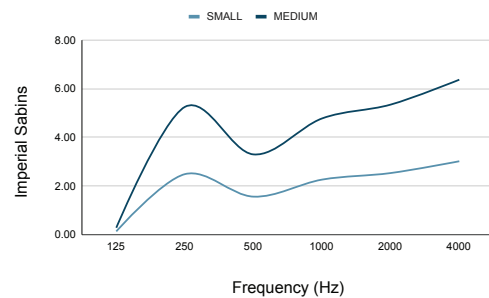
Please note some of these certificates will apply to specific colors.

PRODUCT ACOUSTIC PROPERTIES

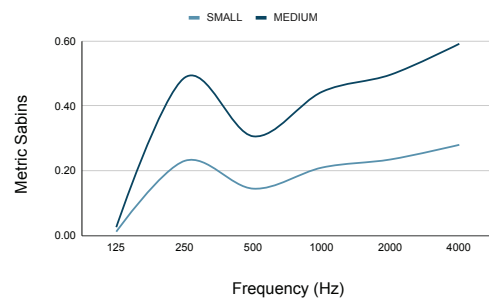
Testing and post analysis procedures were carried out in accordance with the references detailed below:

AS ISO 354-2006 (R2016)	Acoustics—Measurement of 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 and Sound Absorption Coefficients by the Reverberation Room Method
ASTM E795-16	Standard Practices for Mounting Test Specimens During Sound Absorption Tests
ISO 20189	Screens, furniture and single objects intended for interior use – Rating of sound absorption and sound reduction of elements based on laboratory measurements.

SABINS (FT ²)	Frequency (Hz)	Sound Absorption Coefficient	S	M
	125	0.16	0.62	1.31
	250	0.64	2.49	5.25
	500	0.40	1.56	3.30
	1000	0.58	2.26	4.78
	2000	0.65	2.53	5.34
	4000	0.78	3.02	6.37



SABINS (M ²)	Frequency (Hz)	Sound Absorption Coefficient	S	M
	125	0.16	0.06	0.12
	250	0.64	0.23	0.49
	500	0.40	0.15	0.31
	1000	0.58	0.21	0.44
	2000	0.65	0.24	0.50
	4000	0.78	0.28	0.59



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 (α_w) and the Sound Absorption Class (SAC). However, to make it easier to compare against other products, we are including that information on the table on the right, which was calculated using the Horizontal Floor Area method. Fully detailed test reports are available upon request.

NRC	0.55
SAA	0.61
α_w	0.60

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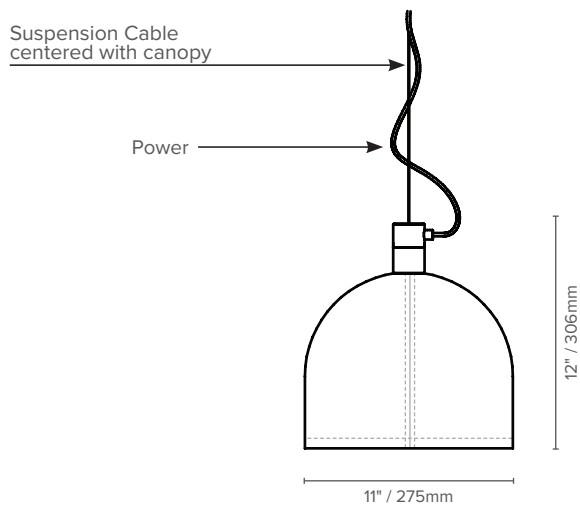
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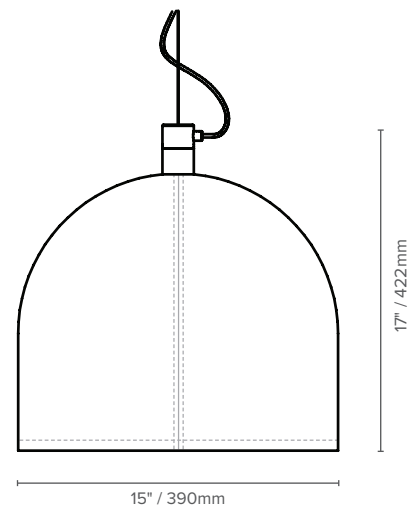
PRODUCT DIMENSIONS

SIDE VIEWS

S



M



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