



# HELM AC (LX-HH)

TYPE:

## KEY FEATURES

- Internal and external noise absorbing materials to help shush open spaces
- 2 sizes and 77 wool colors
- Standard interior in grey
- High performance dimmable LED light source (Direct) with glass diffuser
- E27/E26 lamp holder option
- Height adjustable 9' / 3m suspension cables and Black woven power cord
- IES photometric files available

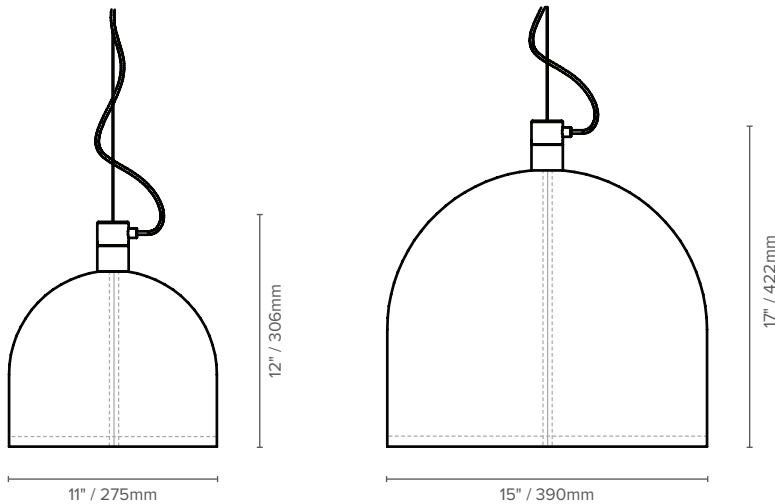
## OPTIONAL EXTRAS

- Additional options available upon request
- POE
  - Bluetooth controller (US & EU only)
  - Tunable White output
  - White canopy and power cord
  - Contrast stitching

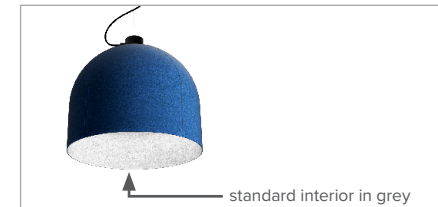
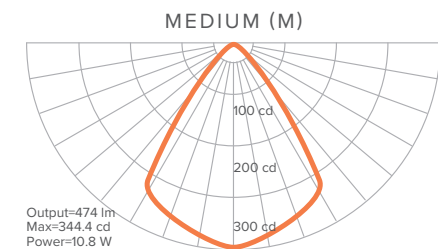
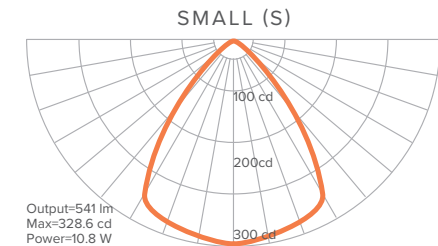
## SIZE AND OUTPUT

SMALL (S)

MEDIUM (M)



## LUMINOUS INTENSITY DISTRIBUTION



	SMALL	MEDIUM
Delivered Lumen Output	541 lm	474 lm
Wattage	10.8 W	10.8 W
Efficacy	50 lm/W	43.8 lm/W
UGR	<12.7	<8.8
CRI	90+	
CCT	3000, 3500, 4000 K	

## ORDER CODE

**EXAMPLE LED: LX - HH - M - 1Y - 35 - UNV - RD**

(Luxxbox Helm AC, Medium (15"x17" / 390x422mm), in 1Y fabric, LED with 3500K CCT, Universal 0-10V 10% dimming (120-277V), Remote Driver)

**EXAMPLE E26/27: LX - HH - M - 1Y - E26**

(Luxxbox Helm AC, Medium (15"x17" / 390x422mm), in 1Y fabric, with an E26 lamp holder)

LX - HH	SIZE	COLOR	OUTPUT	REGION / DIMMING	DRIVER TYPE
HH	S	Use color codes as shown	30	UNV 0 - 10V - 10% dimming (120-277V) (North America only) G 1% dimming DSI/DALI (220 - 240V)**	CD Canopy concealed driver (UNV/North America only) RD Remote driver (UNV or G)
	M		35		
			40		
			E26 Edison 26mm (North America)		
	E27 Edison 27mm				

\* E27 / E26 lampholder (10W max, LED only). Please note the light 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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TYPE:

## WOOL UPHOLSTERED

For any of the options below, the interior will always be in Felt Gray. See comparison between Wool Upholstered and Felt Finish at the bottom of the page for reference.



## 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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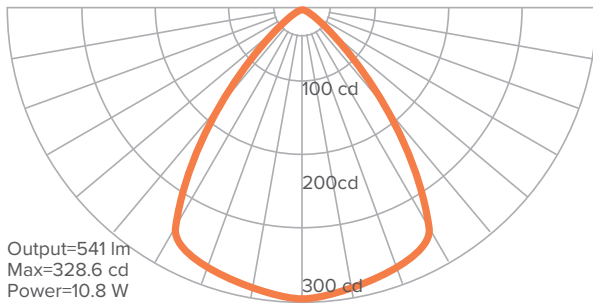
TYPE:

## PHOTOMETRICS

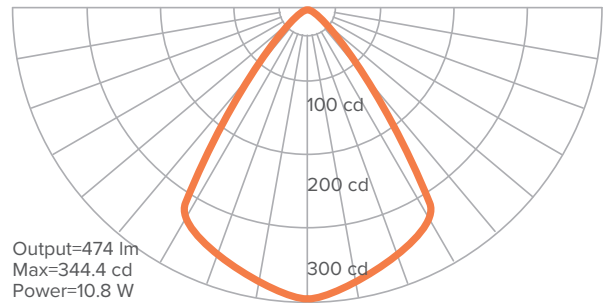
### LIGHT SOURCE SPECIFICATIONS

	SMALL	MEDIUM
Delivered Lumen Output	541 lm	474 lm
Wattage	10.8 W	10.8 W
Efficacy	50 lm/W	43.8 lm/W
UGR	<12.7	<8.8
CRI	90+	
CCT	3000, 3500, 4000 K	

### LUMINOUS INTENSITY DISTRIBUTION



SMALL (S)



MEDIUM (M)

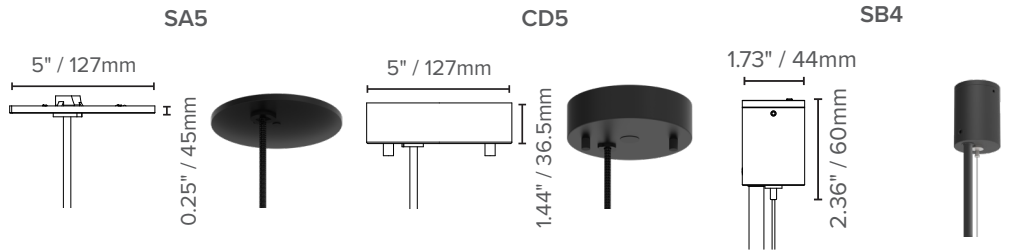
## DRIVER INFORMATION

DRIVER TYPE	SIZE	WATTS	OUTPUT	COMPLIANCE
10% dimming (110 - 277V)	SMALL / MEDIUM	14.5W	22-42VDC	
1% dimming (DALI) (220 - 240V)	SMALL / MEDIUM	14.5W	22-42VDC	

## CANOPY INFORMATION

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

	UNV (North America)		Global
	RD	CD	RD
SMALL	SA5	CD5	SB4
MEDIUM	SA5	CD5	SB4



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TYPE:

## MATERIAL SPECIFICATIONS

MATERIAL:	WOOL	PET
COMPOSITION:	100% Virgin Wool (Camira Blazer Wool)	100% polyester fiber (98% post-consumer recycled + 2% masterbatch)
COLOR FASTNESS TO LIGHT:	4-6 (ISO 105 - B02)	ISO 105-B02-1994 Rating: 6-7
FIRE TEST:	AS1530 Part 3, AS3837, ISO5660, BS EN 1021-1&2 Cigarette and Match, BS 7176 Low Hazard, UNI 9175 Classe 1	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:	Renewable, Compostable, certified to EU Ecolabel & Indoor Advantage™ Gold	Global Recycled Standard 4.0, GreenTag Certification, GreenRate (Level A)
SOUND ABSORPTION:	BS EN ISO 10534-2: 2001 / Sound Absorption Coefficient	AS ISO 354 – 2006 / Noise reduction coefficient (NRC) = 0.85
THERMAL TRANSITION:	ASTM C518-2010. R- Value = 0.30 m <sup>2</sup> K/W	
VOC EMISSIONS:	ASTM D5116 Rate: < 0.01 mg/m <sup>2</sup> /hr (7 days)	

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

## PRODUCT ACOUSTIC PROPERTIES

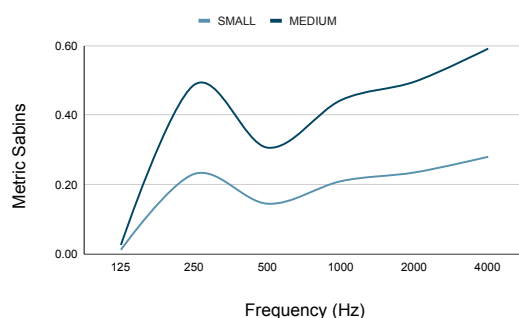
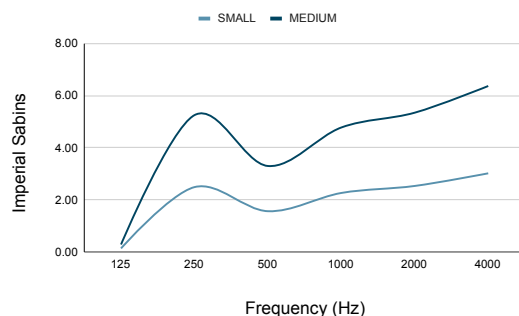
Testing and post analysis procedures were carried out in accordance with the references detailed below:

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.

Below you'll find the data for both sizes of this product in Imperial and Metric units. Please note we only tested the Medium size of this product. The data for the Small size has been extrapolated from the results obtained in the testing of the Medium size pendant.

IMPERIAL SABINS	Frequency (Hz)	Sound Absorption Coefficient	SMALL (S)	MEDIUM (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

METRIC SABINS	Frequency (Hz)	Sound Absorption Coefficient	SMALL (S)	MEDIUM (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 (**aw**) 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 Largest Single Face method. Fully detailed test reports are available upon request.

NRC	0.6
SAA	0.58
aw	0.60
SAC	C

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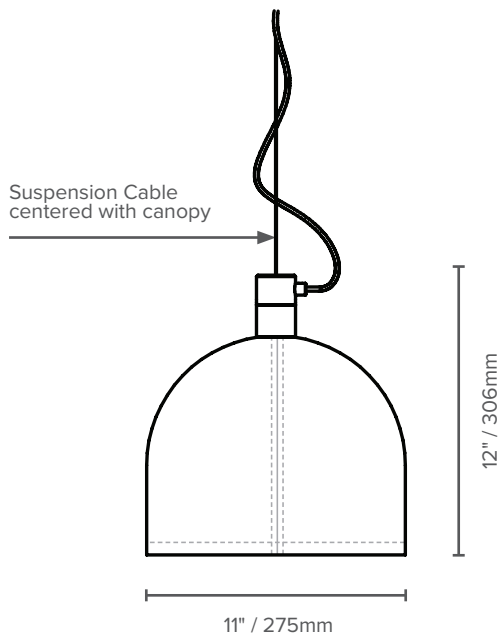


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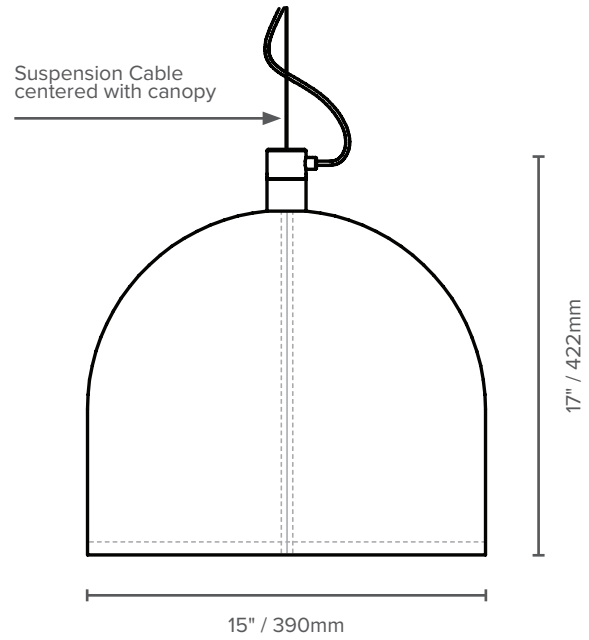
TYPE:

## PRODUCT DIMENSIONS

SMALL (S)



MEDIUM (M)



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