Breeze akoestische lamp

meinema
interieur | ontwerp | uitvoering
Info@meinema.nl
0031 - 20 311 8396

Breeze 800

Breeze 1000

Breeze

Breeze 800

Material:
PET Felt (polyethylene terephthalate)
Fireclass: EN13501-1 Class B
Produced in The Netherlands

Fixture:
2m transparent cable
3 metal wires with adjustable griplock
White ceiling cap

Lighting properties:

Integrated LED
40W | 4277lm

Dimmable
Not dimmable | Dali

CCT 3000K | 4000K

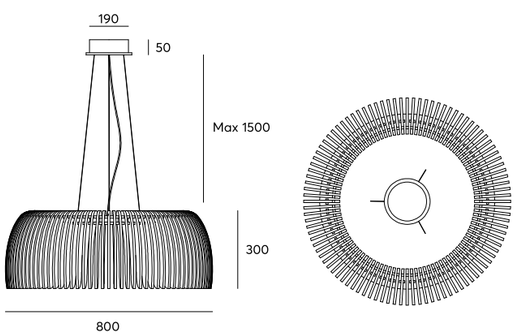
IP20

Acoustic properties:

1,75 m² of acoustic absorption material of aw 0,45

Diffusion due to the 'lamella' design

Measurements:



Total weight gross | net: 11,3 | 10,2kg

Parcel size: 800x800x400mm

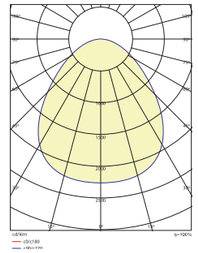
Mounting:

Colors:

Light source specifications:

LED power:	40W
Connection voltage:	220-240V AC
Luminous Flux:	4277lm
Frequency:	47-63Hz
Driver:	Included | Integrated
Control/Dimmable:	Non dim | Dali
Power factor:	106lm/W
Optics | Beam of light:	Acrylic prismatic Lens | 90°
CCT Color temperature:	3000K|4000K
CRI:	Ra >90
UGR:	<19
Operating temperature:	-20 ~ +45

Photometrics:
Lumen intensity distribution



Acoustic specifications:

The acoustic design principle.

Breeze is designed to catch sound directly from the space where sound is created. Such as meeting rooms or dining tables.
Due to its 100 acoustic lamella structure, soundwaves will be absorbed and diffused

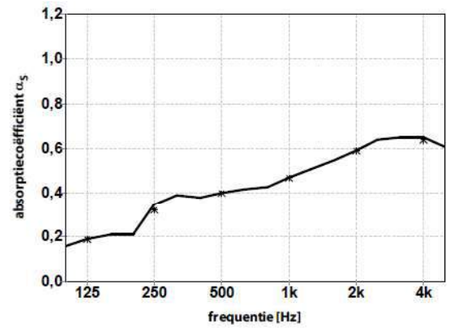
The LED element, will reflect the soundwaves

Calculated acoustic surface area: 1,75 m²

aw (ISO 11654) = 0,45

SAA (ASTM - C423) = 0,45

Measurement of 9mm free hanging PET Felt
sound absorption calculation in a reverberation room



	0,16	0,21	0,38	0,43	0,55	0,65
1/3 oct.	0,19	0,35	0,40	0,47	0,59	0,65
	0,21	0,39	0,42	0,51	0,64	0,61
1/1 oct.	**0,19**	**0,32**	**0,40**	**0,47**	**0,59**	**0,64**

Breeze 1000

Material:
PET Felt (polyethylene terephthalate)
Fireclass: EN13501-1 Class B
Produced in The Netherlands

Fixture:
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3 metal wires with adjustable griplock
White ceiling cap

Lighting properties:

Integrated LED
62W | 7510lm

Dimmable
Dali/push

CCT 3000K | 4000K

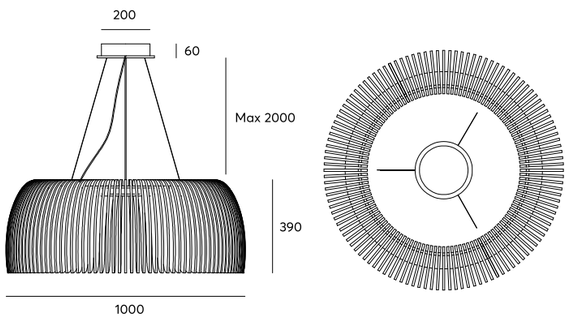
IP20

Acoustic properties:

3,45 m² of acoustic absorption material of aw 0,45

Diffusion due to the 'lamella' design

Measurements:



Total weight gross | net: 14,6 | 12,8kg

Parcel size: 1000x1000x400mm

Mounting:

Breeze

Colors:

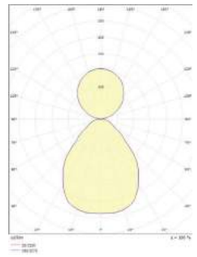
13_Black | 03_Charcoal | 36_Dim Grey | 11_Fog Grey | 07_Ghost White | 19_Midnight | 26_Ocean | 30_Cool Grey | **41_Mint Pastel**

17_Forest | 40_Faded Jade | 06_Olive | 39_Warm Grey | 04_Bisque | 35_Ochre | 45_Chilli | 09_Lavender | 31_Rosé

Light source specifications:

LED power:	62W
Connection voltage:	220-240V AC
Luminous Flux:	7510lm
Frequency:	47-63Hz
Driver:	Included | Integrated
Control/Dimmable:	Dali
Power factor:	121lm/W
Optics | Beam of light:	Acrylic prismatic Lens | 90°
CCT Color temperature:	3000K|4000K
CRI:	Ra >80
UGR:	<19
Operating temperature:	-20 ~ +45

Photometrics:
Lumen intensity distribution



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Due to its 120 acoustic lamella structure, soundwaves will be absorbed and diffused

The LED element, will reflect the soundwaves

Calculated acoustic surface area: 3,45 m²

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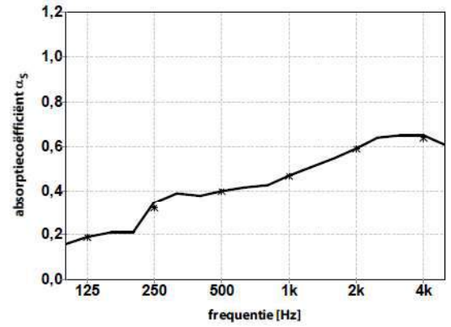
Measurement of 9mm free hanging PET Felt
sound absorption calculation in a reverberation room



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