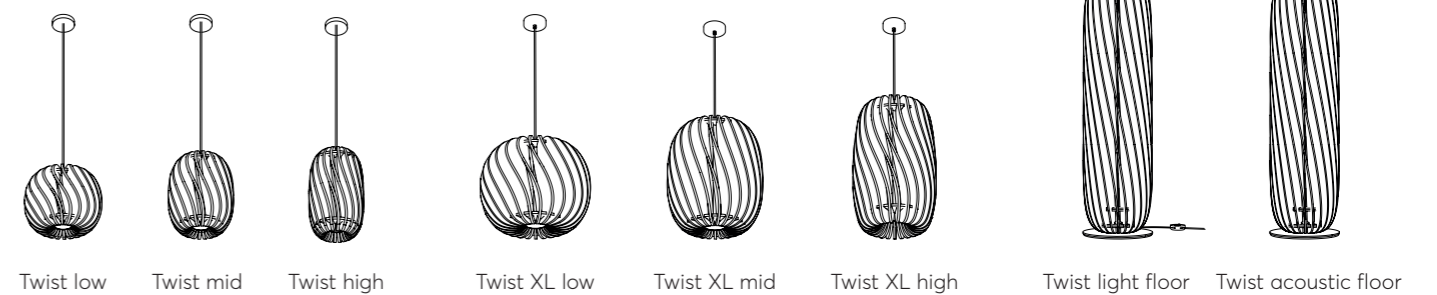




Twist

Twist is a soundabsorbing tornado. The direct downlight radiates a high light output from its acoustic body. Due to the massiveness and curled shape of the lamp, Twist scores high in its absorption and diffusion value.





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

Fixture:
 1,5m black textile cable
 Black ceiling cap

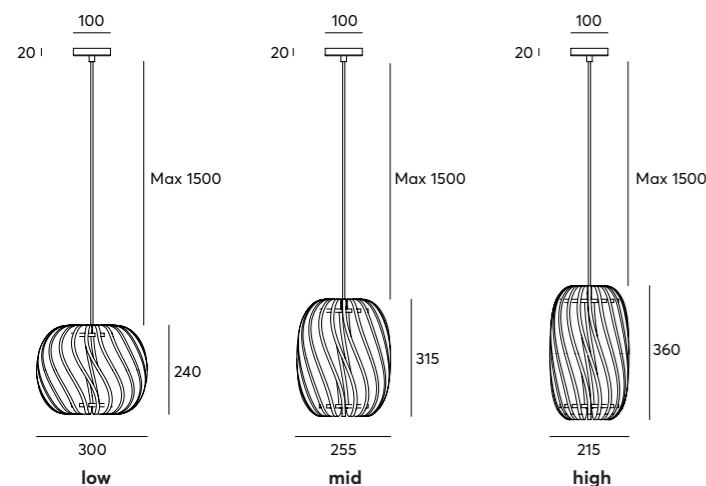
Lighting properties:

Integrated LED
 9W | 500lm
 Dimmable
 Trailing edge (RC)
 (Dali Phase cut dim Add On)
 CCT 2700 | 3000K | 4000K
 IP20

Acoustic properties:

0,42 m² of acoustic absorption
 material of aw 0,45
 Diffusion due to the 'tornado' design

Measurements:



Total weight gross | net: 1,9kg | 1,2kg

Parcel size: 300x300x450mm



Colors:

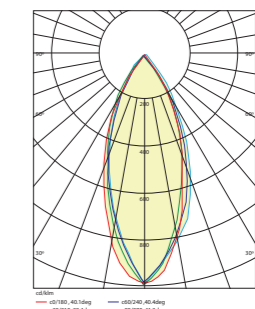


Light source specifications:



LED power:	6W
Connection voltage:	220-240V AC
Luminous Flux:	400lm
Frequency:	47-63Hz
Driver:	Included Integrated
Control Dimmable:	Trailing Edge
Power factor:	66lm/W
Beam of light:	40°
CCT Color temperature:	2700K 3000K 4000K
CRI:	Ra >80
UGR:	<17
Operating temperature:	-20 ~ +45

Photometrics:
 Lumen intensity distribution



Acoustic specifications:

The acoustic design principle.

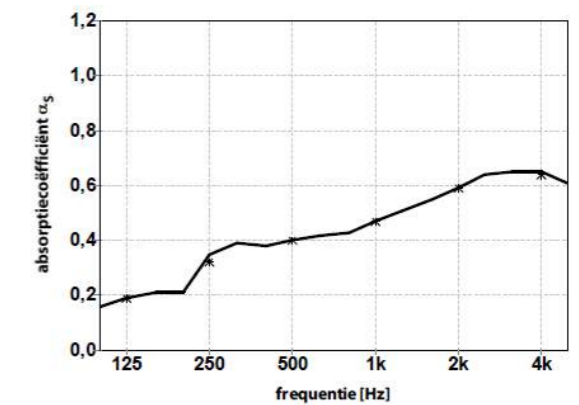
Twist is designed to function as an acoustic spot light. Twist can be combined in multiple shapes and clustered with the big brother "Twist XL". This way more sound absorbing mass makes more acoustic impact.

Calculated acoustic surface area: 0,42 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



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

Fixture:
 1,5m black textile cable
 Black ceiling cap

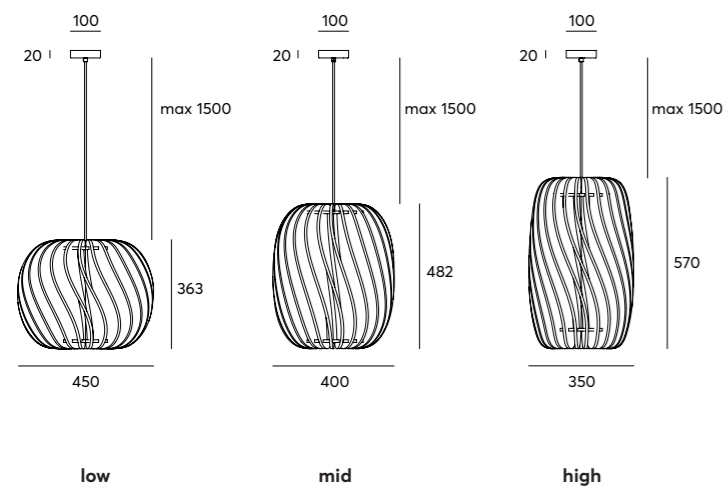
Lighting properties:

Integrated LED
 9W | 500lm
 Dimmable
 Trailing edge (RC)
 (Dali Phase cut dim Add On)
 CCT 2700 | 3000K | 4000K
 IP20

Acoustic properties:

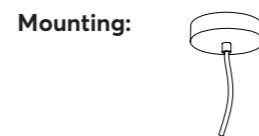
1,2 m² of acoustic absorption
 material of aw 0,45
 Diffusion due to the 'tornado' design

Measurements:



Total weight gross | net: 3,1kg | 2,4kg

Parcel size: 480x480x600mm



Colors:

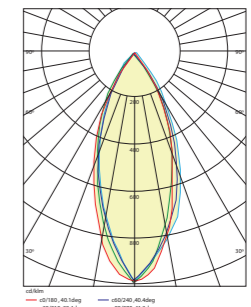


Light source specifications:



LED power:	9W
Connection voltage:	220-240V AC
Luminous Flux:	500lm
Frequency:	47-63Hz
Driver:	Included Integrated
Control Dimmable:	Trailing Edge
Power factor:	60lm/W
Beam of light:	40°
CCT Color temperature:	2700K 3000K 4000K
CRI:	Ra >80
UGR:	<17
Operating temperature:	-20 ~ +45

Photometrics:
 Lumen intensity distribution



Acoustic specifications:

The acoustic design principle

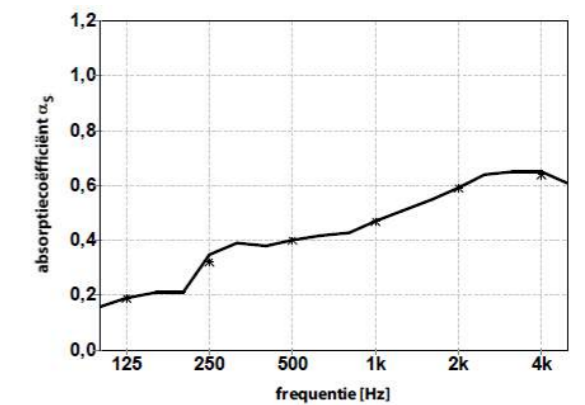
Twist is designed to function as an acoustic spot light. Twist can be combined in multiple shapes and clustered with the small brother "Twist". This way more sound absorbing mass makes more acoustic impact.

Calculated acoustic surface area: 1,2 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





Twist light Floor





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

Fixture:
2m black textile cable with floor switch and europlug
With metal inside and base plate

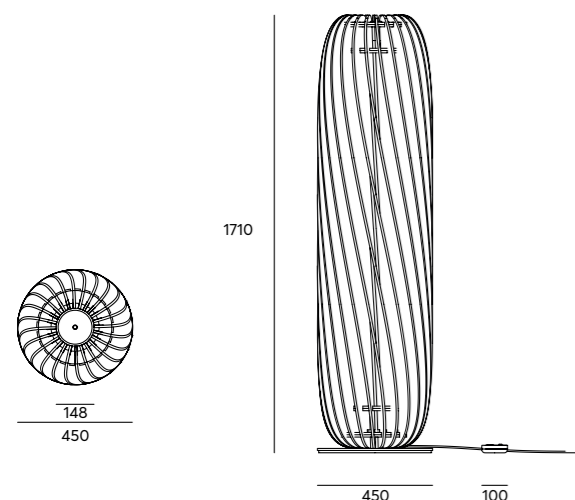
Lighting properties:

-  Integrated LED
30W | 3115lm
-  Dimmable
Floor dimmer included
-  CCT 3000K | 4000K
-  IP20

Acoustic properties:

-  5,54 m² of acoustic absorption
material of aw 0,45
-  Diffusion due to the 'tornado' design

Measurements:



Total weight gross | net: 27,2kg | 25,7kg

Parcel size: 480x480x1750mm

Mounting: Free standing with Europlug

Colors:

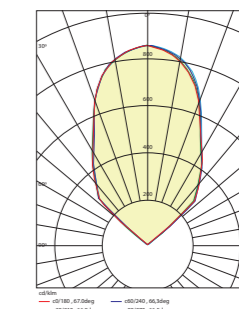


Light source specifications:



LED power:	30W
Connection voltage:	220-240V AC
Luminous Flux:	3115lm
Frequency:	47-63Hz
Driver:	Included Integrated
Control Dimmable:	Trailing Edge
Power factor:	104lm/W
Beam of light:	60°
CCT Color temperature:	3000K 4000K
CRI:	Ra >80
UGR:	<16
Operating temperature:	-20 ~ +45

Photometrics: Lumen intensity distribution



Acoustic specifications:

The acoustic design principle.

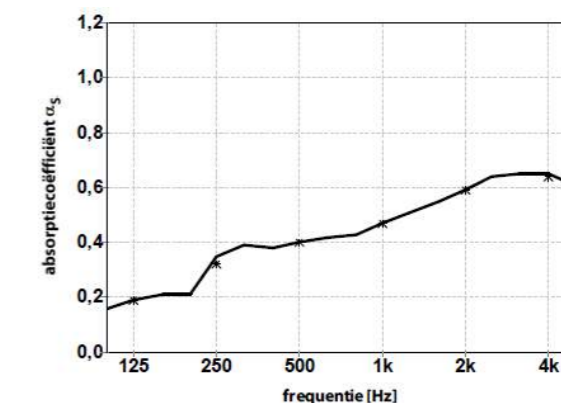
Twist floor is an acoustic standing light. When placed in larger open spaces where soundwaves can travel freely, Twist floor reduces the reverberation time. Place Twist floor in corners or nearby hard materials in noisy places. Twist floor works well as a bass absorber.

Calculated acoustic surface area: 5,54 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

Twist acoustic floor



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

Fixture:
 Metal inside and base plate

Acoustic properties:

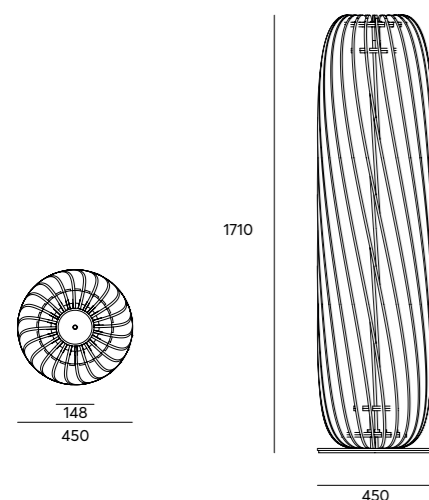


5,54 m² of acoustic absorption material of aw 0,45



Diffusion due to the 'tornado' design

Measurements:



Total weight gross | net: 26,7kg | 25,1kg

Parcel size: 480x480x1750mm

Mounting: Free standing with Europlug

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

Acoustic specifications:

The acoustic design principle.

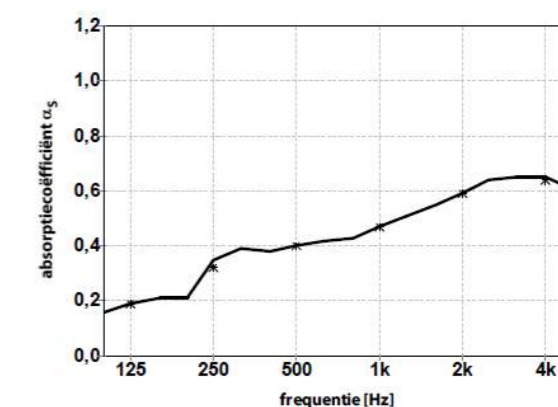
Twist floor is an acoustic standing light. When placed in larger open spaces where soundwaves can travel freely, Twist floor reduces the reverberation time. Place Twist floor in corners or nearby hard materials in noisy places. Twist floor works well as a bass absorber.

Calculated acoustic surface area: 5,54 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



	125	160	200	250	315	400	500	630	800	1k	1250	1600	2k	2500	3150	4k
1/3 oct.	0.16	0.19	0.21	0.35	0.39	0.40	0.42	0.47	0.51	0.55	0.59	0.64	0.65	0.65	0.61	0.61
1/1 oct.	0.19	0.32	0.40	0.47	0.59	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64