

Eave[®] FocusLite[™]

Technical Datasheet



Eave[®] FocusLite[™] 2.0

Level Dependent Ear Defender with Integrated Fit-Testing

Product Description

The Eave[®] FocusLite[™] 2.0 is an electronic level-dependent ear defender with integrated fit-testing developed for use in noisy environments where you need to protect your hearing while still being able to hear your surroundings.

The FocusLite[™] 2.0 is compatible with Peak[™], Eave's Site Noise Mapping, and Personnel Management web platform. When used in conjunction with Peak[™], the FocusLite[™] 2.0 enables the use of the Eave SureFit[™] technology, which provides automated Fit-Testing, Personal Attenuation Rating Assessment, Wear Rate Monitoring, Noise Exposure Monitoring, and Noise Dosimetry.

Versions

Headband
Helmet Mounted
Neckband

Technical Specifications

SNR 29dB
IP65 certified
Lightweight 312g
USB C charging port
Voice and LED power indicator
Max temperature for use +55°C
Replaceable ear cushions and foam
LimitMax[™] technology limits volume output to 82dB
Size adjustable for small, medium and large head sizes
Single button operation ON/OFF and 3 x volume settings
14 hour rechargeable Li-Ion battery (2 hours fast charge)
4 x MEMs microphones for dosimetry and noise level monitoring



HeerThrough[™] -
Prioritises speech sounds
and provides 360-degree
situational awareness.



LimitMax[™] -
Environmental sounds
are safely limited to
82dB at the ear



SureFit[™] -
Automated Fit-Testing, Personal
Attenuation Rating Assessment, Wear
Rate Monitoring, Noise Exposure
Monitoring and Noise Dosimetry.

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Standards and Approval

The FocusLite™ 2.0 has been tested and approved in accordance with: EN 352-1:2020, EN 352-3:2020, EN 352-4:2020. It thereby fulfils the requirements for CE marking and UKCA marking. Notified Body Examination performed by and certificate issued by: PZT GmbH, Wilhelmshaven, Germany. Notified Body #1974

EN352-1 Sound Attenuation Data

SNR = 29dB

H = 34dB, M = 26dB, L = 18dB

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	16.5	13.5	19.5	27.3	28.9	36.6	44.0	43.9
Standard Deviation (dB)	4.3	3.4	2.1	1.9	2.7	3.3	3.4	4.0
Assumed Protection Value (dB)	12.2	10.1	17.4	25.4	26.2	33.3	40.6	39.9

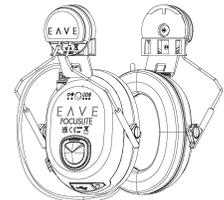


EN352-3 Sound Attenuation Data

SNR = 29dB

H = 34dB, M = 26dB, L = 19dB

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	16.3	15.4	19.6	26.3	28.3	37.1	47.2	43.7
Standard Deviation (dB)	3.6	4.4	2.1	2.4	2.4	3.9	3.4	4.7
Assumed Protection Value (dB)	12.7	11.0	17.5	23.9	25.9	33.2	43.8	39.0



EN352-4 Level Dependent Criterion Level

H = 117 dB(A), M = 106 dB(A), L = 92 dB(A)

Materials

Helmet Mount: Stainless steel wire, Acetal, Polyamide

Headband: Flame Retardant Faux Leather, PVC, EVA Foam, Stainless steel wire

Ear Cup: ABS, TPV

USB Cover: TPV

Button: TPV

Replaceable Ear Cushion: Polyether, PVC

LED Indicator: PC

Microphone Cover: PU Foam

Warranty

Eave warrants that all of its products and accessories will be free of defects in workmanship and materials under the terms of the limited warranty for the period of 12 months from the date of purchase. The warranty does not cover any damage caused by neglected maintenance or careless handling. For more information on maintenance, please see the user manual.

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