



PRODUCT NUMBER: 1010924
Leightning L3s Headband Earmuff

[Learn more about our products at howardleight.com](http://howardleight.com)

>

[Learn more about hearing conservation at hearforever.org](http://hearforever.org) >



Overview

Reference Number

1010924

Product Type

Hearing Protection

Range

Earmuffs

Line

Noise Blocking Earmuffs

Brand

Howard Leight by Honeywell

Brand formerly known as

BILSOM

Industry

- Industry
- Administration
- Agriculture
- Army - Defence
- Automotive and Part Manufacturer
- Aviation
- Building and Construction
- Catering
- Chemical Industries
- Energy or Electricity
- Fire Protection brigades
- Fishing
- Food Industries
- Foundry
- Glass Industries
- Green Spaces
- Homeland defense
- Industrial Cleaning
- Iron and steel industry
- Laboratory
- Logistics
- Maintenance
- Medical and Pharmaceutical
- Metal steel
- Mining and Quarrying
- Offshore
- Paper Industries
- Petro-chemical
- Printing Industries
- Services
- Ship Building
- Telecoms
- Textile Industries
- Transportation
- Utilities
- Water treatment
- Welding
- Wood Industries

Product Use

Noise Blocking Earmuff

Features & Benefits

Feature

AIR FLOW CONTROL TECHNOLOGY Bilsom's patented Air Flow Control™ technology delivers optimal attenuation across all frequencies, without increasing earcup size or weight. A patented baseplate chamber and high-tech non-woven layer manage the flow of air inside the earmuff to control how sound reaches the ear. The result is better, more consistent overall attenuation for virtually all industrial noise environments. **STEEL WIRE CONSTRUCTION** Robust steel headband withstands demanding use, especially in tough environments. **SNAP-IN EAR CUSHIONS** Snap-in ear cushions make

replacement quick and easy. PADDED FOAM HEADBAND delivers long-wearing comfort with minimal pressure on the head.

Benefit

When you're in a tough industrial environment and need to block noise, Bilsom's Leightning series' steel wire construction provides high performance and robust durability. Leightning stands up to daily use and abuse without compromising comfort. Bilsom has optimized the Leightning series to deliver the highest level of comfort available, featuring an exclusive padded foam headband and super soft ear cushions that eliminate that "squeezing pressure" on the head.

Technical Description

SNR (dB)

34

H (dB)

33

M (dB)

32

L (dB)

27

Attenuation Data

Frequency (Hz) Frequenz (Hz) Fréquence (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB) Mittlere Dämmung (dB) Atténuation moyenne (dB)	23.6	24.6	27.8	32.6	37.4	35.2	38.8	35.8
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	6.4	3.6	2.0	2.0	3.3	3.2	3.1	3.3
Assumed Protection (dB) Angenommener (dB) Protection supposée (dB)	17.2	21.0	25.8	30.6	34.1	32.0	35.7	32.5

Earmuff Construction

Metal

Other Material

Steel wire, PUR-E, PVC, Textile, PC/ABT, ABS, PP

Dielectric

No

Color

Black

Batteries Needed

None

Weight (grs)

302

Headband Style

Over-Head

Sound Amplification

No

AM/FM Radio

No

Automatic Shut-Off Function

No

Audio Input Jack

No

Hi-Visibility

No

Certifications

 E.C. Declaration of Conformity

EC Category PPE

2

Quality Assurance

ISO 9001 / 2000

EC Certificate Number

EC1294

EC Attestation

 EC Attestation

EC Attestation Number

041108

Maintenance

Life Cycle

Cushions should be replaced periodically to retain maximum attenuation. Use the following as a guideline for replacement of ear cushions and insert foam. General use and wear - Ear cushions and foam inserts should be replaced at least every 6 months. Heavy use or wear in humid/extreme climates - Ear cushions and foam inserts should be replaced at least every 3 months. Cracking or leakage is visible - replace ear cushions and foam inserts immediately.

Storage Information

When not in use, the earmuffs should be stored in a clean dry container or locker. Do not use solvents or petroleum-based products. Do not immerse the earmuffs in water.

Care Instructions

Earmuffs are an important safety product and should be inspected regularly. Its use, care and maintenance are critical to its effective performance. Earmuffs and in particular ear cushions may deteriorate with use and should be examined at frequent intervals for cracking and leakage. If the ear cushions become hard, damaged or deteriorated, they should be replaced promptly using recommended Hygiene Kits. Earmuffs should be maintained by regular cleaning. Use a mild disinfectant solution. A gentle wipe is all that is required.

Parts & Accessories

Accessories

Hygiene Kit - Packed in a plastic bag, including two ear cushions and two foam pads. Ref. # 1012000 for L3, L3H, L3N

Beltclip - For carrying purpose. Old Ref. # 1000252 New Ref. # 1016730

Cool II Pads - Sweat absorbing pads. Ref. # 1000365 5-pair, Ref. # 1000364 100-pair

Optisorb - cotton sleeve slides over earcup. Ref. # 3302101

Polar Hood - Ref. # 1016870 Lg/XLg; Ref. # 1016871 Sm/Med

Packaging

EAN Code

7312550109243

EC TYPE-EXAMINATION CERTIFICATE: 1294

Product description: -

Hearing Protection - Ear-Muffs

Product identification: -

Howard Leight Lightning L3s
Howard Leight Lightning L3s HI-VISIBILITY
Howard Leight Worksafe No Noise 3

Manufacturer: -

Sperian Hearing Protection LLC
7828 Waterville Road
San Diego
CA 92154
USA

When assessed and examined against harmonised standard EN352-1:2002 are found to be in conformity with Council Directive 89/686/EEC and associated amendments, relating to personal protective equipment.

Authorised EU Representative: -

Sperian Protection Europe
Immeuble Edison - ZI Paris Nord II
33 Rue des Vanesses, BP55288
95958 Roissy CDG Cedex
France

Signed



Date: 4th January 2005

K J Warren, Manager, Certification Services

For and on behalf of INSPEC International Ltd.
56 Leslie Hough Way, Salford, Gt Manchester M6 6AJ
England (Notified Body No: 0194)

certificate invalid
if not embossed

For terms and conditions of issue, see page 2

Terms and Conditions

Reference Documents: -

- | | | | |
|------|--------------------------|---|--|
| i) | Test Reports | - | INSPEC 04.11.08 |
| ii) | Technical File | - | TF/1294 |
| iii) | Test and Inspection Plan | - | CE Product Certification, Test and Inspection Plan |

Conditions attached to the issue of this certificate:

- i) Marking and instructions have been assessed in the English language only. It is the Manufacturers/Authorised Representatives responsibility to obtain and supply language versions acceptable to the country where the product is to be sold.
- ii) Any changes to the product, technical file or quality manual/quality plan shall be immediately notified to INSPEC.
- iii) The Manufacturer/Authorised Representative shall comply at all times with INSPEC's Regulations governing CE Product Certification.
- iv) This Certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.



CERTIFICATION INDEX

Item	Status	Issued	Amendment
Page 1 of 2	Withdrawn	04/01/05	1 st issued
Page 2 of 2	Withdrawn	04/01/05	1 st issued
Schedule ONE	Withdrawn	04/01/05	1 st issued
Certificate, pages 1 – 4	Withdrawn	29/09/06	Add Worksafe No Noise 3
Certificate, pages 1 – 4	Valid	21/10/08	Name change to Howard Leight by Sperian



CERTIFICATION SCHEDULE

Model: Howard Leight Leightning L3s,
Howard Leight Leightning L3s HI-VISIBILITY
Howard Leight Worksafe No Noise 3

Description: Over-the-head ear-muff

Size Range: S / M / L

Attenuation Data

Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
Mean att. (dB)	23.6	24.6	27.38	32.6	37.4	35.2	38.8	35.8
Std. Dev. (dB)	6.4	3.6	2.0	2.0	3.3	3.2	3.1	3.3
APV (dB)	17.2	21.0	25.8	30.6	34.1	32.0	35.7	32.5
	H = 33dB		M = 32dB		L = 27dB		SNR = 34dB	





E.C. Declaration of Conformity

The manufacturer or its legal representative supplier in the European Community:

Honeywell Safety Products Europe

Declares that the Personal Protective Equipment described here after conforms to the provisions of the European Council Directive 89/686/CEE:

Designation: Lightning L3s Headband Earmuff

Reference: 1010924

Standard(s): EN-352-1:2002

This PPE is the object of the below EC examination certificate n°:

EC1294

Delivered by:

INSPEC

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Salford

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Greater Manchester

United Kingdom

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Drawn up in Sweden, on the 10/06/2015

By:

Division: Hearing Protection

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