

**PRODUCT NUMBER: 1013047**  
**Laser Lite LS-400 Refill**

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

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



**Overview**

**Reference Number**

1013047

**Product Type**

Hearing Protection

**Range**

Earplugs

**Line**

Disposable Earplugs

**Brand**

Howard Leight by Honeywell

**Industry**

- Industry
- Administration
- Agriculture
- Army - Defence
- ATEX environment
- 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**

Laser Lite LS-400 Dispenser Refill, Disposable

**Features & Benefits**

**Feature**

VIBRANT COLOURS Makes protection fun – and highly visible. SELF-ADJUSTING FOAM Polyurethane foam adjusts to fit virtually every wearer. CONTOURED T-SHAPE Aids in easy insertion, removal from ear canal.

**Benefit**

The bright idea in hearing protection, Laser Lite’s low-pressure foam expands gently inside the ear canal for comfortable long-term wear, while its contoured T-shape delivers easy handling. Its high visibility magenta and yellow colors make

compliance checks quick and easy. Plus, Laser Lite is available with special packaging and dispenser options, ideal for process industries with low tolerances for packaging waste.

## Technical Description

**SNR (dB)**

35

**H (dB)**

34

**M (dB)**

32

**L (dB)**

31

**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)	33.4	34.1	35.5	37.6	34.9	35.7	42.5	44.1
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	4.6	4.7	4.6	4.1	5.0	2.8	2.9	4.2
Assumed Protection (dB) Angenommener (dB) Protection supposé (dB)	28.8	29.4	30.9	33.5	29.9	32.9	39.6	39.9

**Size**

Fits All

**Color**

Yellow and Magenta

**Shape**

t

**Corded**

No

**Weight (grs)**

0.48

## Certifications

 E.C. Declaration of Conformity

**EC Category PPE**

2

**Quality Assurance**

ISO 9001 / 2000

**EC Certificate Number**

951095

**EC Attestation**

 EC Attestation

**EC Attestation Number**

9503632 & 200822449

## Literature & Documents

### PIC SKU - Pictures

<http://www.honeywellsafety.com/assets/0/324/500/51887/b0b16555aedd42f89c634480a0c67b17.jpg>

## Additional Information

### User Manual

Instruction Manual - Laser Lite (global)

## Maintenance

### Life Cycle

These plugs must be disposed of and replaced after each wearing.

### Storage Information

All earplugs should be stored before and between usages in a way that protects them from dirt, grease, and other contaminants.

### Care Instructions

Disposable earplugs are made of either TPE (Thermoplastic elastomers) or polyurethane foam. Washing and cleaning of disposable earplugs are not recommended. These plugs must be disposed of and replaced after each wearing. Excessive moisture reduces the attenuation and slows down the foam recovery which may lead to improper fit.

## Packaging

### EAN Code

033552014324

Bescheinigung  
Nr. **BGIA 951095**  
vom **28.07.2008**

Institut für Arbeitsschutz der  
Deutschen Gesetzlichen Unfallversicherung  
Prüf- und Zertifizierungsstelle im BG-PRÜFZERT

## EG-Baumusterprüfbescheinigung

Name und Anschrift des  
Bescheinigungsinhabers:  
(Auftraggeber) Sperian Hearing Protection, LLC  
7828 Waterville Road  
San Diego, CA 92154, USA

Name und Anschrift des  
Herstellers: Sperian Hearing Protection, LLC  
7828 Waterville Road  
San Diego, CA 92154, USA

Produktbezeichnung: Gehörschutzstöpsel "Howard Leight Laser Lite" mit (LL-30) und ohne (LL-1)  
Verbindungsschnur

Typ: Howard Leight Laser Lite

Bestimmungsgemäße  
Verwendung: Vor Gebrauch zu formender Gehörschutzstöpsel zum einfachen Gebrauch / Persönliche  
Schutzausrüstung nach Art. 8 (2) der EG-Richtlinie 89/686/EWG (Kategorie II)

Prüfgrundlage: - Grundlegende Anforderungen für Gesundheitsschutz und Sicherheit nach Anhang II der  
EG-Richtlinie 89/686/EWG  
- EN 352-2:2002  
- EN 13819-1:2002  
- EN 13819-2:2002

Zugehöriger Prüfbericht: 95 03632 vom 28.07.1995 und  
2008 22449 vom 28.07.2008

Bemerkungen: Dieses Zertifikat ersetzt das Zertifikat mit der gleichen Nummer ausgestellt am 28.06.1995.

Das geprüfte Baumuster entspricht den einschlägigen Bestimmungen der Richtlinie 89/686/EWG (**Persönliche Schutzausrüstungen**), geändert durch die Richtlinien 93/68/EWG, 93/95/EWG und 96/58/EG.

Weiteres über die Gültigkeit, eine Gültigkeitsverlängerung und andere Bedingungen regelt die Prüf- und Zertifizierungsordnung vom April 2004.

  
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Leiter der Zertifizierungsstelle  
(Dr. rer. nat. Peter Paszkiewicz)

  
.....

Fachzertifiziererin  
(Dr. rer. nat. Sandra Dantscher)

European notified body  
Identification number 0121

**BGIA**



Certificate  
No. **BGIA 951095**  
Date of issue: **2008-07-28**

Institut für Arbeitsschutz der  
Deutschen Gesetzlichen Unfallversicherung  
Prüf- und Zertifizierungsstelle im BG-PRÜFZERT

**Translation**  
In any case, the  
German original shall  
prevail

## EC-Type Test Certificate

Name and address of the  
holder of the certificate:  
(customer) Sperian Hearing Protection, LLC  
7828 Waterville Road  
San Diego, CA 92154, USA

Name and address of the  
manufacturer: Sperian Hearing Protection, LLC  
7828 Waterville Road  
San Diego, CA 92154, USA

Product designation: Ear-plug "Howard Leight Laser Lite" LL-1 (uncorded) and LL-30 (corded)

Type: Howard Leight Laser Lite

Intended purpose: Disposable ear-plug (shape before use) / personal protective equipment according to  
article 8 (2) of the EC-directive 89/686/EEC (category II)


Testing based on: - Basic requirements for health and safety in accordance with Annex II of the EC-  
directive 89/686/EEC  
- EN 352-2:2002  
- EN 13819-1:2002  
- EN 13819-2:2002

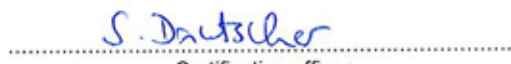
Test report: 95 03632 as of 1995-06-28 and  
2008 22449 as of 2008-07-28

Remarks: This certificate replaces the certificate with the same number issued 1995-06-28.

The type tested complies with the provisions laid down in the directive 89/686/EEC (Personal Protective  
Equipment), amended by the directives 93/68/EEC, 93/95/EEC und 96/58/EC.

Further conditions are laid down in the Rules of Procedure for Testing and Certification of April 2004.

  
Head of certification body  
(Dr. rer. nat. Peter Paszkiewicz)

  
Certification officer  
(Dr. rer. nat. Sandra Dantscher)

Postal address: • 53757 Sankt Augustin • Office: Alte Heerstraße 111 • 53757 Sankt Augustin  
Phone: +49 (0) 2241 231-02 • Fax: +49 (0) 2241 231-2234 • E-Mail bgia@dguv.de • www.dguv.de/bgia



## 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: Laser Lite LS-400 Refill

Reference: 1013047

Standard(s): EN 352-2:1993, EN-24869-1:1993

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

951095

**Delivered by:**

B.G.I.A.

Alte Heerstrasse 111

53754

Stankt Augustin

Germany

Drawn up in Germany, on the 14/07/2016

**By:**

**Division:** Hearing Protection

ZI Paris Nord II 33, rue des Vanesses BP 50288 95958 Roissy CDG France

Tel: +33 (0) 49 90 79 79 Fax: +33 (0)1 49 90 79 80

[www.honeywellsafety.com](http://www.honeywellsafety.com)



