

LiteScout®

Innovation in the stimulation and early stimulus of partially sighted and blind people

LiteScout® is designed as a rugged and portable alternative to the lightbox and combines all requirements for the visual stimulation of partially sighted and blind people. The homogenous, non-dazzling and flicker-free light emission is characterized by strong contrasts, exact outlines and precise structures. The licensed combination of light and magnetism in one device offers the user a wide range of applications.

Initial talks with the "Blindeninstitutsstiftung München" (Foundation for the Institute of the Blind in Munich), the VBS (Association of Pedagogues for the Blind and Partially Sighted) and the VzFB gegr. 1876 e.V. (Registered charitable institution for furthering the education of the Blind, founded in 1876) led to the concept and development of the *LiteScout®*-system, licensed in 2003.

The basic idea was to design a rugged and portable alternative to the conventional lightbox. The ideal material for these very specific applications was found in *Plastolight®* and perfectly integrated into a new product: *LiteScout®*.

Who and what is *Plastolight®*?

Plastolight® is our company's name and the brand name for licensed electroluminescent products (info@plastolight.com). *LiteScout®* is an example of our systems solutions for most modern electroluminescent-



LiteScout®-Pro in black non-glossy acrylic with a magnetic learning game. With a thickness of only 8 mm and a weight below 2 kg, completely new options for use are applicable. The chosen size is compatible to existing learning-games. Innovative, partially magnetic learning materials will be shortly available and offer the full size of learning functionality.

technology. Company-services include consulting, conception of light systems and -planning as well as prototyping and serial manufacturing.

In the physical sense *Plastolight®* is a Lambert radiator and is characterized by diffuse radiation. The luminous surface of *Plastolight®* radiates a homogenous, non-dazzling and flicker-free cold light with intense color rendering. With extremely low thickness of material (less than 1 mm) resulting in a low weight of 1g/cm², *Plastolight®* is the perfect light material for applications that are critical in weight and installation depth.

What is *LiteScout®*?

LiteScout® is a supportive learning aid for the stimulation and early sti-

mulus of partially sighted and blind people. The format of the *LiteScout®-Pro*'s luminous surface is compatible to the conventional lightbox, so that already existing learning games (e.g. Level I-III) can easily be used with *LiteScout®-Pro*. The *LiteScout®-Basic* version also offers a smaller luminous surface in DIN-A4-format.

In addition to its optical characteristics and infinitely adjustable levels of brightness, *LiteScout®* offers magnetic attributes. By using magnetic learning aids attention spans and learning success will be profoundly raised. Research has shown that children spend much more time playing with magnetic items than with non-magnetic ones.

Educational materials

In order to implement the full range of possibilities that *LiteScout*® offers, learning materials are presently being developed in cooperation with the **VzFB**. Building upon the standard materials currently in use, we aim to develop our products in a completely new direction. For example, we will have “logical blocks” made out of light-conducting, fluorescent acryl as well as magnetic films and a variety of magnetic tokens. In addition, we will offer accessories such as colored plastic films, magnets, a stylish carrying bag made out of black, heavy-duty nylon, and much more.

Optical Characteristics:

- homogenous luminous area
- non-dazzling and flicker-free light
- visible from long distances
- strong contrasts
- exact outlines and intense color rendering
- infinitely adjustable levels of brightness

Mechanical Characteristics:

- magnetic luminous surface
- gummed anti-skid luminous area
- portable (extremely flat and light)
- no heat development
- use of rugged, non-fragile materials
- TÜV-licensed (CE/GS)
- ecologically sound materials that are safe for your health
- solid construction with non-skid surface

Electrical Characteristics:

- long life cycle
- no sudden failures such as occur with standard light bulbs or tubes
- less electrical power consumption (10 - 20 watt, depending on size)

Areas of Application:

For visual training and concept formation with light, colors and contrast in cooperation with forms and sizes



LiteScout® is offered in two sizes. Version „Pro“ e.g. for use in schools and early stimulus instituts. Version „Basic“ e.g. for use at home. The size is accordingly smaller, other features are identical.

LiteScout®-Pro

Size: 638 x 8 x 405 mm
 Material: acrylic, black, non-glossy surface
 Light area: 538 x 305 mm
 Light color: white
 Weight: < 2 kg

LiteScout®-Basic

Size: 377 x 8 x 290 mm
 Material: acrylic, black, non-glossy surface
 Light area : 297 x 210 mm
 Light color : white
 Weight: < 1 kg

Order-form:

Herewith I / we order

_____ samples *LiteScout*®-Pro
 one sample for 780,00 € plus tax
 (Status: August 2003)

Institut / School _____

Surname and First Name _____

Address _____

Postcode, City _____

Country _____

Date and Signature _____



Verein zur Förderung
 der Blindenbildung
 gegr. 1876 e.V.

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