



# Perfectly Designed for the Human Eye

**OTT-LITE Technology**<sup>®</sup> presents **a breakthrough in indoor lighting**  
– VisionSaver Plus<sup>™</sup> High Definition Lighting Technology<sup>™</sup> (HDLT)

**HDLT improves image and detail resolution** with a balance of wavelengths that enhance vision and peak at the optimal level of comfort of the human eye.



HIGH DEFINITION  
LIGHTING TECHNOLOGY<sup>™</sup>

## Who said this is the perfect light for the Human Eye?

OTT-LITE<sup>®</sup> VisionSaver Plus<sup>™</sup> meets criteria identified by scientists in academic studies and published in the Journal of the Illuminating Engineering Society

## Who did the testing?

Ocean Optics Laboratories, a global leader in optical sensing technologies and whose spectrometers have been used on the Rocky 7 Mars rover

- They conducted a blind test of an OTT-LITE<sup>®</sup> VisionSaver Plus<sup>™</sup> tube against standard lighting and (so-called) “full-spectrum” lighting
- The OTT-LITE<sup>®</sup> VisionSaver Plus<sup>™</sup> lighting source was the **ONLY light to meet the criteria** as defined in university studies



# The PROBLEM with Traditional Lighting

- To see with better visual acuity for clarity, and improve the depth of field, a small pupil size is necessary
- The traditional way – turn up the brightness
- To turn up the brightness, high levels of photopic lumens are used
- Pupil size decreases as photopic lumens increase
- Therefore – better visual acuity

## The Drawbacks to Brightness

- The eye squints to protect itself from the intensity of the light and the glare.
  - can result in eyestrain and associated headaches
- The more intense the light, the more energy is used and heat generated.
  - creates an uncomfortable, unpleasant reading and working environment
- If the brightness is turned down to reduce glare, the eye will strain in order to read under the lower lighting conditions

## Brighter is Not Better – The OTT-LITE® VisionSaver Plus™ SOLUTION

### Make the pupil size smaller without the brightness and glare

*University studies found a new way to approach this problem:*

- Stimulate the eye using a higher ratio of scotopic lumens to photopic lumens
- Scotopic lumens are generally associated with night vision and stimulate the rods in the eye
- Rods are photoreceptors in the eye which are also responsible for opening and closing the pupil

**The result** – light that is rich in scotopic lumens can stimulate the rods which will reduce the pupil size and, therefore, help people see with better visual acuity – WITHOUT the brightness and glare

# Why OTT-LITE® VisionSaver Plus™ Lighting?

*A Science-Based Natural Daylight Product Formulated To Help People Do What They Do Better.*



HIGH DEFINITION  
LIGHTING TECHNOLOGY™

OTT-LITE® VisionSaver Plus™ High Definition Lighting Technology™ is scientifically formulated to provide a soothing illumination that makes reading and computer work easier and more comfortable than ever before. It's the perfect blend of science and nature bringing the best of natural daylight indoors.

Uneven, low contrast and distorted incandescent light can make reading a tiresome chore. It can be even more frustrating for people over 40, who are experiencing the common problem of diminishing close up vision.

Only OTT-LITE® VisionSaver Plus™ products allow you to read and see details as clearly indoors as you do outside under natural light without the heat or glare of ordinary lights.

- The Original: Genuine OTT-LITE® Product - No other like it
- Great for reading
  - Low glare for reduced eyestrain - read comfortably and longer
  - See details and text more clearly - increased contrast for better detail definition
- Work more productively
  - Low in heat for a more relaxed, comfortable environment
- Feel great indoors all year long
  - Clean, crisp, soothing, color-balanced illumination is like nutrients for the eyes
- Energy efficient
  - Bulbs are rated to last up to 10,000 hours, nearly 12x longer than standard bulbs



BLI Lighting Specialists - [www.budgetlighting.com](http://www.budgetlighting.com) - 800-245-5874