



## LuxIQ™ New Diagnostic System

***Now you can measure and prescribe the right task lighting.***

The LuxIQ™ is the first-of-a-kind device to provide clinicians, researchers and educators with a scientific tool to measure lighting needs for near tasks. While bright light is known to be important for functional vision, it is challenging to measure and prescribe. With the LuxIQ you can quickly quantify near vision performance over a broad range of light levels, color temperatures, and colors.



*LuxIQ diagnostic tool*



*Useful over eye charts, newspapers*



*White or multi-color modes*

Simply place the LuxIQ calibrated light source over reading material at a person's working distance. Move its sliders to vary the lux (brightness) and color (°K or nm). The lightweight, portable device enables lighting assessments in an office, home, school or research lab. With its iPad app LightChooser™, you can recommend commercially available optimum task lighting in < than 5 minutes.

### ***Difficulty with reading or working? Lighting is a low-cost intervention.***

Published studies show that bright light of 2,000-5,000 lux may be needed to maximize acuity. A typical desk lamp provides only 800 lux; an exam room 600 lux. Most offices, homes and schools need additional light for reading and working. The question is what to recommend or prescribe. The LuxIQ™ makes it practical to vary intensity from 0 to 5000 lux, and color temperature from 2,700 to 6,500°K—without swapping hot bulbs or changing fixtures. Use it to:

- Determine lighting needs in offices or homes without trial and error
- Conduct a wide variety of clinical and research studies
- Prescribe optimum lamps and/or light bulbs
- Determine lighting color effects
- Chart patient lighting changes over time to observe disease progression



## Recommended Exam Sequence

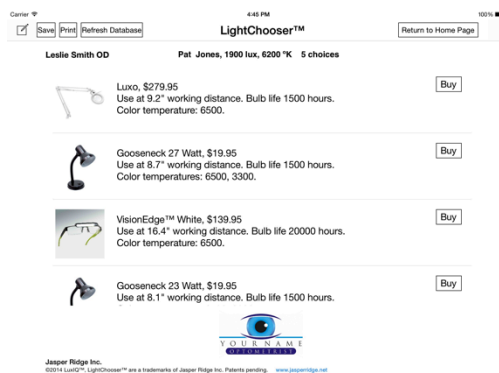
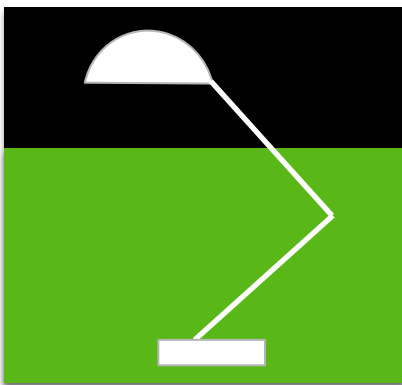
To assess reading performance at various levels of illuminance and color temperature, switch on LuxIQ and place it over reading material, such as eye charts and newspapers.

### Using white light

1. Select lux intensity using slider.
2. Adjust color temperature using slider.
3. Record the preferred intensity (lux) and color temperature (°K).

### Using colored light

For some colored light reduces eyestrain during long duration, near tasks. To examine patient vision with colored light, press the switch on the left to use the full spectrum of green to red light.



LightChooser™ App for iPad

Converts measurements to prescription

## Finally a scientific basis to discuss and recommend task lighting.

The LuxIQ combines illuminance, color and lighting distribution to identify individually optimized task lighting and enable recommendations in less than 5 minutes. Patents pending.

### Specifications

|                    |                                     |
|--------------------|-------------------------------------|
| Intensity range:   | 0-5,000 Lux                         |
| Color temperature: | 2700-6500°K (white)                 |
| Color:             | 525 nm (green) to 625 nm (red)      |
| Physical:          | 9" L x 7.5" W x 3" H; 1.75 lbs.     |
| Power:             | Rechargeable battery, 5 volt charge |

### Warranty and service

Jasper Ridge warrants [redacted] products in material or workmanship for 1 year from shipment and agrees to repair or replace. Warranty excludes normal wear and tear, misuse, abuse and shipping costs.

[Wilt u meer informatie, neem dan contact met ons op.](#)

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