

## LuxIQ™ Light Exam System

### *New lighting exam technology is a clinic changer*

The LuxIQ™ is the first exam tool to provide calibrated assessments and recommendations of task lighting. While bright light is known to be important for functional vision, it is challenging to measure or prescribe. With the LuxIQ you can quickly quantify near-vision performance over a broad range of light levels and temperatures, and then prescribe specific bulbs or lamps.



New service for your practice



LuxIQ™ exam over eye chart



Convenient LuxIQ™ Soft Tote

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

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

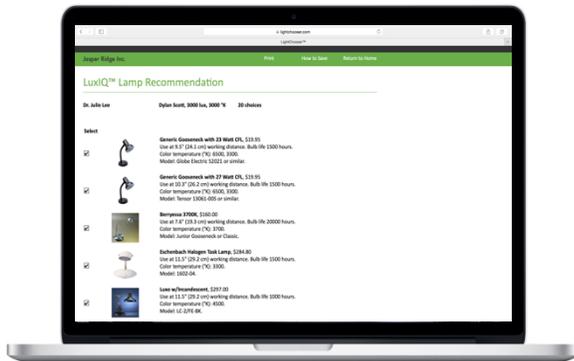
Published studies show that many need bright light of 2000-5000 lux to maximize acuity. A typical desk lamp provides only 800 lux; an exam room 600 lux. Many people need additional light to work. Some with dry eye syndrome (DES) or traumatic brain injury (TBI) are light sensitive and need less. Now you can give concrete recommendations to optimize acuity and minimize strain. The LuxIQ™ makes it practical to vary intensity from 0 to 5000 lux, and temperature from 2700 to 6500°K. Use it to:

- Determine task lighting needs without trial and error
- Prescribe optimum lamps and/or light bulbs
- Educate patients in lighting concepts
- Conduct a wide variety of clinical and research studies
- Chart patient lighting changes over time to observe disease progression
- Quantify light sensitivity for dry eye sensitivity and traumatic brain injury

## 5-Minute Lighting Exam

To assess acuity performance at various levels of illuminance and color temperature, switch on the LuxIQ and place it over reading material, such as eye charts and newspapers. In *White Mode*, examine the patient with intense, cool to warm light. Switch to *Color Mode* to use the spectrum of bright green to red light. For some, proper light and tint reduce eyestrain and further increase acuity.

1. Select intensity using **Lux** slider, and keep constant.
2. Adjust color temperature at selected intensity using **Temperature** slider.
3. Record the preferred intensity (lux) and color temperature (°K).
4. Use the LightChooser™ web app or Light Bulb Calculator to recommend specific lamps or bulbs.



LightChooser™ web app on PCs or phone

LUMENS TO REACH A LUX LEVEL 6 to 32 inches from desk																															
Lux	6	8	10	12	14	16	18	20	22	24	26	28	30	32																	
250	46	83	129	186	253	330	418	516	625	743	872	1012	1161	1321																	
500	93	165	258	372	506	661	836	1032	1249	1486	1745	2023	2323	2643																	
750	139	248	387	557	759	991	1254	1548	1874	2230	2617	3035	3484	3964																	
1000	186	330	516	743	1012	1321	1672	2065	2498	2973	3489	4046	4645	5285																	
1250	232	413	645	929	1265	1652	2090	2581	3123	3716	4361	5058	5806	6606																	
1500	279	495	774	1115	1517	1982	2508	3097	3747	4459	5234	6070	6968	7928																	
1750	325	578	903	1301	1770	2312	2926	3613	4372	5203	6106	7081	8129	9249																	
2000	372	661	1032	1486	2023	2643	3345	4129	4996	5946	6978	8093	9290	10570																	
2250	418	743	1161	1672	2276	2973	3763	4645	5621	6689	7850	9104	10452	11892																	
2500	465	826	1290	1858	2529	3303	4181	5161	6245	7432	8723	10116	11613	13213																	
2750	511	908	1419	2044	2782	3634	4599	5677	6870	8175	9595	11128	12774	14534																	
3000	557	991	1548	2230	3035	3964	5017	6194	7494	8919	10467	12139	13935	15855																	
3250	604	1074	1677	2415	3288	4294	5435	6710	8119	9662	11339	13151	15097	17177																	
3500	650	1156	1806	2601	3541	4625	5853	7226	8743	10405	12212	14163	16258	18498																	
3750	697	1239	1935	2787	3794	4955	6271	7742	9368	11148	13084	15174	17419	19819																	
4000	743	1321	2065	2973	4046	5285	6689	8258	9992	11892	13956	16186	18581	21141																	
4250	790	1404	2194	3159	4299	5615	7107	8774	10617	12635	14828	17197	19742	22462																	
4500	836	1486	2323	3345	4552	5946	7525	9290	11241	13378	15701	18209	20903	23783																	
4750	883	1569	2452	3530	4805	6276	7943	9806	11866	14121	16573	19221	22064	25104																	
5000	929	1652	2581	3716	5058	6606	8361	10323	12490	14864	17445	20232	23226	26426																	

Light Bulb Calculator

### Specifications

Intensity range: 0-5000 Lux  
 Color temperature: 2700-6500°K  
 Color: Green to red  
 Physical: 8.63" L x 7.75" W x 2" H, and 1.75 lbs.  
 Power: Rechargeable battery, 5 volt charger

### Warranty and service

Jasper Ridge warrants the LuxIQ™ for defects in material or workmanship for 1 year from shipment and agrees to repair or replace. Use the LuxIQ only with the AC adapter labelled Jasper Ridge as others may damage the unit. Warranty excludes normal wear and tear, misuse, abuse and shipping costs.

### Confidentiality

The LuxIQ and LightChooser web app do not collect or save patient information, nor is the information visible to Jasper Ridge. All patient information is confidential.

## Now 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 evidence-based recommendations in less than 5 minutes.