

O.R. LIGHTING

SIMEON BUSINESSLINE LIGHTS

Great lights, great value

Technology • Durability • Security

- **Technology:** Patented reflector technology delivers uniform light intensity, a large depth of focus and an outstanding level of shadow-free illumination.
- **Durability:** Glass front face will not cloud over time. Aluminum housing - rugged construction provides superior heat transfer for LED longevity - 60,000+ hours.



Security: 10 year warranty!*

The ideal OR lights - Virtually shadow-free illumination in multiple head configurations. Feature rich and competitively priced, BusinessLine lights deliver the performance surgeons demand with long term reliability and low life cost.

Used individually or combined in dual and triple axis configurations, the BusinessLine is an excellent choice for both new installations and replacement/upgrades. One product family can cover all OR lighting applications.

The BusinessLine Series consists of the 700, 500 and the 450 heads; three models tailored to address light selection based on illumination and head size. Common features include excellent deep cavity illumination and focusable field size with superb rendering indexes – all achieved through our patented Sim.LED modules. Light are available in both single color – SC – which illuminates the surgical field in bright white light and multi color – MC – with variable color temperature configurations as well as Sim.CAM upgrades for on axis visualization.

Sim. LED 700
160,000 LUX
Single or Multi-color



The Sim.LED 700 – our largest light head offers the highest light output of the series with 160,000 lux.

Sim. LED 500
140,000 LUX
Single or Multi-color



The Sim.LED 500 - cost effective without compromising performance. Illumination intensities of up to 140,000 lux. A multi-purpose OR light for any application.

Sim. LED 450
120,000 LUX
Single or Multi-color



The Sim.LED 450 – great value - provides ideal illumination when ceiling space is a concern, or a larger light head is simply not required. Can be combined with a Sim.LED 700 or a Sim.LED 500 head on a dual axis system or triple axis system as a smaller satellite light.

Options

Wireless HD Camera
4K Wired Camera
Mobile Solutions
Complete OR
Configurations



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Image Diagnostics, Inc.

Since 1986, IDI has been a manufacturer of innovative products for surgical, interventional and diagnostic imaging. Our product focus is in electro-mechanical solutions for fluoroscopic and digital and radiographic applications. IDI is committed to delivering superior product design, value and customer support in every product we build. Image Diagnostics is partners with SIMEON Medical, a market leader in Surgical lighting based in Tuttlingen, Germany. *Please reference IDI Warranty Document D400-0102

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Simeon Medical BusinessLine Lighting Specifications

Image Diagnostics Inc. is the exclusive distributor of Simeon surgical lights in the United States







	Sim. LED 700 SC 	Sim. LED 700 MC 	Sim. LED 500 SC 	Sim. LED 500 MC 	Sim. LED 450 SC 	Sim. LED 450 MC 
Clinical Application	Premium light for OR procedures and exams <ul style="list-style-type: none"> • Major examination light • Combine on dual axis with monitor 					
Central illumination intensity at a distance of 1 meter [lx]	160,000	160,000	140,000	140,000	120,000	120,000
Dimmability from/to [lx]	48,000 – 160,000	48,000 – 160,000	42,000 – 140,000	42,000 – 140,000	36,000 – 120,000	36,000 – 120,000
Color temperature [K]	4,500	3,500 – 5,500	4,500	3,500 – 5,500	4,500	3,500-5500
Focusable field size d10 at a distance of 1 meter [mm]	180 - 300	180 - 300	180 - 290	180 - 290	160 - 250	160 - 250
Electronic field adjustment	yes	yes	yes	yes	yes	yes
Color rendering index Ra in every color temperature setting	96	96	96	96	96	96
Red rendering index R9	96	94	96	94	96	96
"Skin color" rendering index R13	98	98	98	98	98	98
Illumination depth without refocusing (L1+ L2) at 20 % [mm]	875	915	930	945	975	975
Illumination depth without refocusing (L1+ L2) at 60 % [mm]	420	450	460	495	470	470
Light head weight [kg]	18	18	15	15	13	13
Light head power consumption [W]	62	66	53	62	45	45
LED life time [h]	> 60,000	> 60,000	> 60,000	> 60,000	> 60,000	> 60,000
Temperature increase at head height	< 1 °C	< 1 °C	< 1 °C	< 1 °C	< 1 °C	< 1 °C
Light-emitting surface	3320 cm ²	3320 cm ²	2,360 cm ²	2,360 cm ²	1,650 cm ²	1,650 cm ²
Sim. CAM	optional	optional	optional	optional	optional	optional
Approval	CE	CE	CE	CE	CE	CE
Tolerance ±10%						

Image Diagnostics, Inc. 310 Authority Drive Fitchburg, MA 01420 USA (877) 304-5434 imagediagnostics.com

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