

# Helux Pro Surgical Light

## Data Sheet



**Baxter**

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### FEATURES

Adaptive Light Control Plus (ALC plus)	x
Sterile Light Control (SLC)	x
Automatic Light Condition and Shadow Management	x
Adjustable Color Temperature and Pattern Size	x
Preparation for 4K camera	x

### REGISTRATION DATA

Classification (MDR)	I
Classification (FDA)	2 (510 (k) exempt)
Mark of Conformity	CE, UL

### DEPTH OF ILLUMINATION<sup>1</sup>

EN ISO 60601-2-41 2 <sup>nd</sup> Edition: Depth of Illumination (L1 + L2) at 20% Ec / 2 <sup>nd</sup> Edition (cm) <sup>1</sup>	193 (76") with ALC plus
EN ISO 60601-2-41 3 <sup>rd</sup> Edition: Depth of Illumination (L1 + L2) at 60% Ec / 3 <sup>rd</sup> Edition (cm) <sup>2</sup>	117 (46") with ALC plus
Average Service Life of the LEDs (h)	>60,000

1. For illumination of 160,000 lux at a distance of 1.0 m

2. Values are subject to a general industry tolerance of  $\pm 10\%$ .

Subject to changes.

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### LIGHTING DATA

Illumination Level at 0.8 m (Lux)	160,000
Illumination Level at 1.0 m (Lux)	160,000
Illumination Level at 1.3 m (Lux)	160,000
Is there an automatic adjustment of illumination level when adjusting pattern size?	yes
Is there an automatic adjustment of illumination level when adjusting the working distance?	yes
Is there an automatic adjustment of illumination level when adjusting color temperature?	yes
Dimmable from / to	100 - 30%; < 10% endo
Pattern Size (d10) at 1.0 m (cm)	ca. 16 - 25 (6.3" - 9.8")
Pattern Size	ca. 16 - 30 (6.3" - 11.8")
d50 / d10 ratio	≥ 0.5
Color Temperature (K)	3,500 / 4,000 / 4,500 / 5,000
Color Rendering Index Ra	max. 97
Color Rendering Index R9	max. 98
Color Rendering Index R13	max. 98
Irradiance (W/m <sup>2</sup> ) <sup>1</sup>	ca. 615
Irradiance / Intensity Ratio (mW/m <sup>2</sup> lx)	ca. 3.84

1. In a distance of 1.3 m at 160,000 lux.  
Subject to changes.

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### REMAINING ILLUMINATION WITH SHADOW MANAGEMENT<sup>1</sup>

	Small Pattern	
Remaining Illumination with 1 Mask (Lux)	92%	147,200
Remaining Illumination with 2 Masks (Lux)	68%	108,800
Remaining Illumination with Tube (Lux)	98%	156,800
Remaining Illumination with Tube and 1 Mask (Lux)	91%	145,600
Remaining Illumination with Tube and 2 Masks (Lux)	66%	105,600

### ELECTRICAL DATA

Power Pack Supply Voltage	100 - 240 V AC 50/60 Hz
Power Pack Supply Voltage DC-DC Box	22 - 32 V DC 22 - 28 V AC 50/60 Hz
Maximum Power Consumption (Total System) (VA)	< 160
Voltage at Ceiling Mounting Point (V)	48

### MECHANICAL DATA

Light Emitting Surface (cm <sup>2</sup> )	1,949 (302 in <sup>2</sup> )
Laminar Flow Surface (cm <sup>2</sup> )	3,617 (561 in <sup>2</sup> )
Area of Light Head Opening (cm <sup>2</sup> )	200 (31 in <sup>2</sup> )
Light Head Size (mm)	742 (29")
Weight of Light Head (incl. cardanic) (kg)	16.3 (35.9 lb)
Weight of Light Head (incl. cardanic and 4K Camera) (kg)	17.0 (37.5 lb)

*Subject to changes.*

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### CONTROL UNITS

Wall Control	
Dimensions (L x W x H)	Flush: 258 x 184 x 63 mm (10.2" x 7.2" x 2.5") Surface: 263 x 188 x 64 mm (10.3" x 7.4" x 2.5")
Power Supply	Powered by Control Board Plate, Input 48 V DC
Wall Cut Out for Flush Version (L x W x H)	240 x 166 mm 9.4" x 6.5"
Corner radius in glass panel	10 mm
Protection Class	IP54

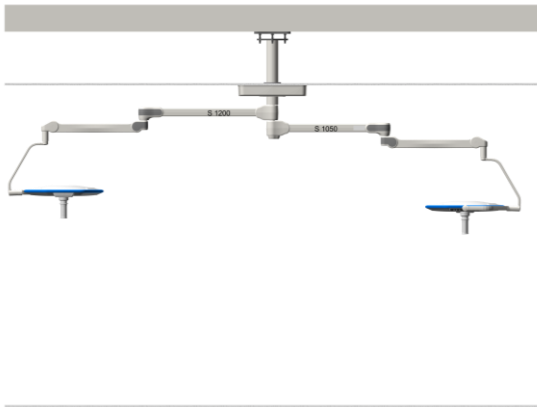
*Subject to changes.*

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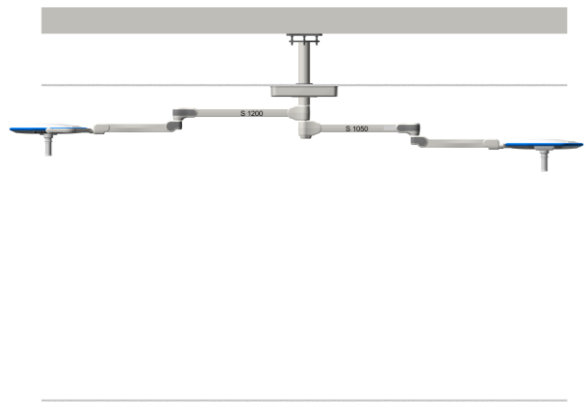
## Data Sheet

### Helux Pro Ceiling<sup>1</sup> Duo with two Light Heads

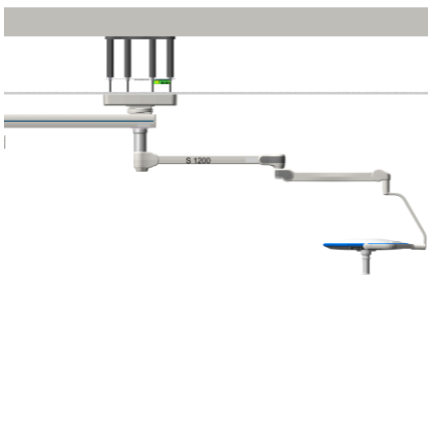
STANDARD ROOM HEIGHT



LOW CEILING ROOM HEIGHT



### Helux Pro Pendant<sup>2</sup>



1. Several ceiling tubes and arm lengths available; 1-4 arms central axis, combination of light heads with monitors holders, X-Ray shields
2. Central axis with pendant (top joint or mid joint) available

For more information, please contact your local distributor or Baxter sales representative.

**[hillrom.com](http://hillrom.com)**

The Helux Pro Surgical Light is intended to be used by clinicians and medically qualified personnel. This medical device is a regulated healthcare product which, pursuant to such regulation bears a CE mark. Baxter recommends that you carefully read the detailed instructions for safe and proper use included in the documents accompanying the medical devices. The personnel of healthcare establishments are responsible for the proper use and maintenance of these medical devices. Baxter reserves the right to make changes without notice in design, specifications and models. The only warranty Baxter makes is the express written warranty extended on the sale or rental of its products.  
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