

Polaris® 100/200 Simply good light!

The Polaris® 100/200 illumination systems provide cool light with natural colors and rich-contrast for thousands of hours of carefree, cost efficient operation.



LED TECHNOLOGY

LEDs are highly efficient light sources for clinical applications. Dräger has now combined the advantages of this innovative light source with a new, extremely compact, lightweight yet robust design that includes individual lens reflectors for enhanced output and shadow control. Even the little heat produced by the LEDs is regulated and dissipated by an integrated Thermal Management System. With an average operational lifetime of 30,000 hours, this LED technology is reliable and affordable.

The Polaris 100

The highly compact Polaris 100 features 48 LEDs with an output range of 40,000 to 120,000 lux. A special mode provides ambient light from a single LED to support minimal invasive procedures. The sleek yet very sturdy light head weighs just 28 lbs (13 kg) and makes positioning extremely easy and comfortable. Without any moving parts in the light head, this system requires almost no maintenance.

The Polaris 200

Without changing the external dimensions or design, the Polaris 200 gives you an additional 18 LEDs for a total of 66. This translates to a maximum output of 160,000 lux. The light intensity can be easily dimmed down to 40,000 lux.



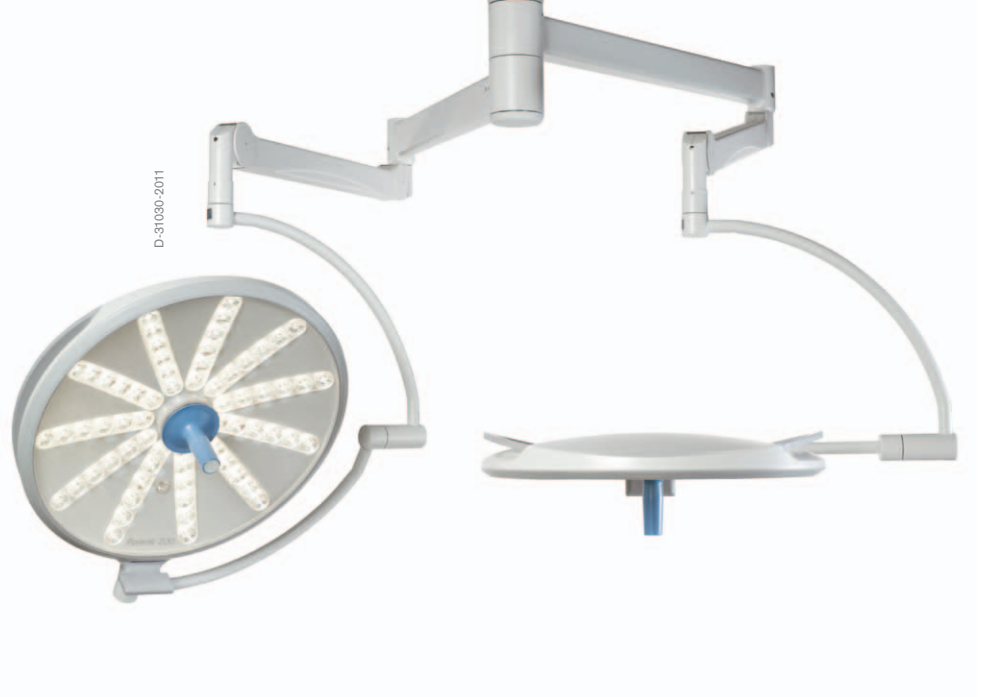
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Dräger Polaris® 100



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Dräger Polaris® 200



Your choice of configurations

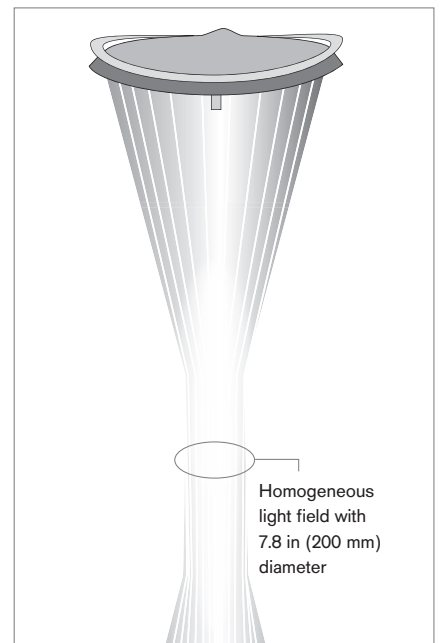
The Polaris 100/200 lights offer everything you need for reliable, quality illumination in your procedure and dedicated endoscopy rooms. The cardanic and suspension systems for both the Polaris 100/200 light heads were designed for maximum mobility and let you combine both light heads and flat panel displays.

COMPACT DESIGN, SIMPLE OPERATION

The straightforward design philosophy of the Polaris 100/200 makes installation and maintenance very easy. The classic round design includes integrated handles for nonsterile personnel and touch panel controls for easy handling and operation. Sterile personnel can position the Polaris 100/200 easily with the central sterile handle. Each of the four clearly marked control buttons performs a single function, and an optional, wall-mounted control panel is also available. The smooth, seamless casing makes cleaning quick and simple, while its lightweight construction ensures practically effortless positioning.

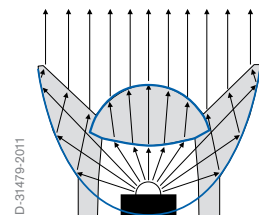
THE POLARIS 100/200: SIMPLY GOOD LIGHT

The Polaris 100/200 illumination system is an economical, high-performance solution for your daily routine. This workhorse is designed for years of carefree operation and minimal maintenance.



Individual lens reflector system

The individual illumination field is achieved by combining a unique LED beam geometry with the adapted reflector characteristics of the integrated parabolic mirror.



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Innovative and robust
Dräger has combined innovative LED light source with lightweight yet robust design.



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Central handle
Sterile personnel can position the Polaris lights easily.



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Easy control
Each of the four buttons of the light control panel or wall mounted panel are clearly marked and user-friendly.



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Design
The round design includes integrated handles for nonsterile personnel.



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The right light for your procedure
The Polaris system features a light intensity from 40 klux to 120 or 160 klux and a special mode for ambient light of 300 lux.



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Usability
The Polaris system meets your needs for ease of use and ergonomics.



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TECHNICAL DATA

DRÄGER POLARIS® 100/200

	Polaris® 100	Polaris® 200
Diameter of light heads	2 ft (620 mm)	2 ft (620 mm)
Illuminance in 39 in (1 m) distance at 5,600 K	40,000 lux to 120,000 lux	40,000 lux to 160,000 lux
Light field diameter	7.8 in (200 mm)	7.8 in (200 mm)
Color temperature	5,000 K	5,000 K
Color rendering-index Ra	95	95
Depth of illumination ((L1 + L2 (20 %))	51 in (1,300 mm)	51 in (1,300 mm)
Light source	48 LED	66 LED
Lifetime LED ¹ [hr]	approx. 30,000 hr	approx. 30,000 hr
Power supply / power consumption (typ. ²)	at 100 – 240 V (AC) 140 VA at 24 V (AC) 100 VA at 24 V (DC) 80 W	at 100 – 240 V (AC) 170 VA at 24 V (AC) 130 VA at 24 V (DC) 100 W

¹ All LEDs loose 20 % of their intensity during this time.

² At maximum illumination.

CORPORATE HEADQUARTERS

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The quality management system at Draeger Medical Systems, Inc. is certified according to ISO 13485, ISO 9001 and Annex II.3 of Directive 93/42/EEC (Medical devices).