

## Dräger Polaris® 50 – LED Minor Surgical Light

The Polaris® 50 is ideal for everyday hospital life, which is becoming more and more challenging. Whether it is in the examination room, in intensive care or in the OR-induction room – the Polaris® 50 always provides high-contrast, colour-stable light. In addition, the treatment light is flexible to handle and easy to use so that you can make the right decisions more quickly.

The Polaris 50 meets the highest requirements for high-quality lighting in medical locations. LEDs of the newest generation generate a light intensity of up to 60,000 lux. With a colour temperature of 4,500 K in the neutral white range, the Polaris gives you a colour-true view of the treatment area. The colour rendering index of  $R_a = 95$  and  $R_9 = 90$  also guarantees high visibility of details. Colour nuances in the illuminated tissue therefore appear natural and rich in contrast so that you can easily focus on your work.

The Polaris 50 is a powerful solution for everyday use. Thanks to its low maintenance requirements and high reliability, the light system guarantees many years of operation at minimal costs. For example: The LEDs reduce the heat intensity at the light head and thus increase its efficiency.

They consume only a fraction of the energy consumed by conventional halogen bulbs. The installed high-performance LEDs have a service life of up to 30,000 hours, enabling significant cost reductions.

“Versatile in its function and area of application” – this is the motto of the Polaris 50 minor surgical light. You decide where and how you want to use the light: as a stand-alone ceiling, wall or mobile version or in combination with Dräger supply units at a central mounting. The numerous combination options enable you to save space and design workplaces from the treatment room via the OR to the intensive care unit exactly for their specific purpose.



D-58467-2012



D-58467-2012

High-performance LED module



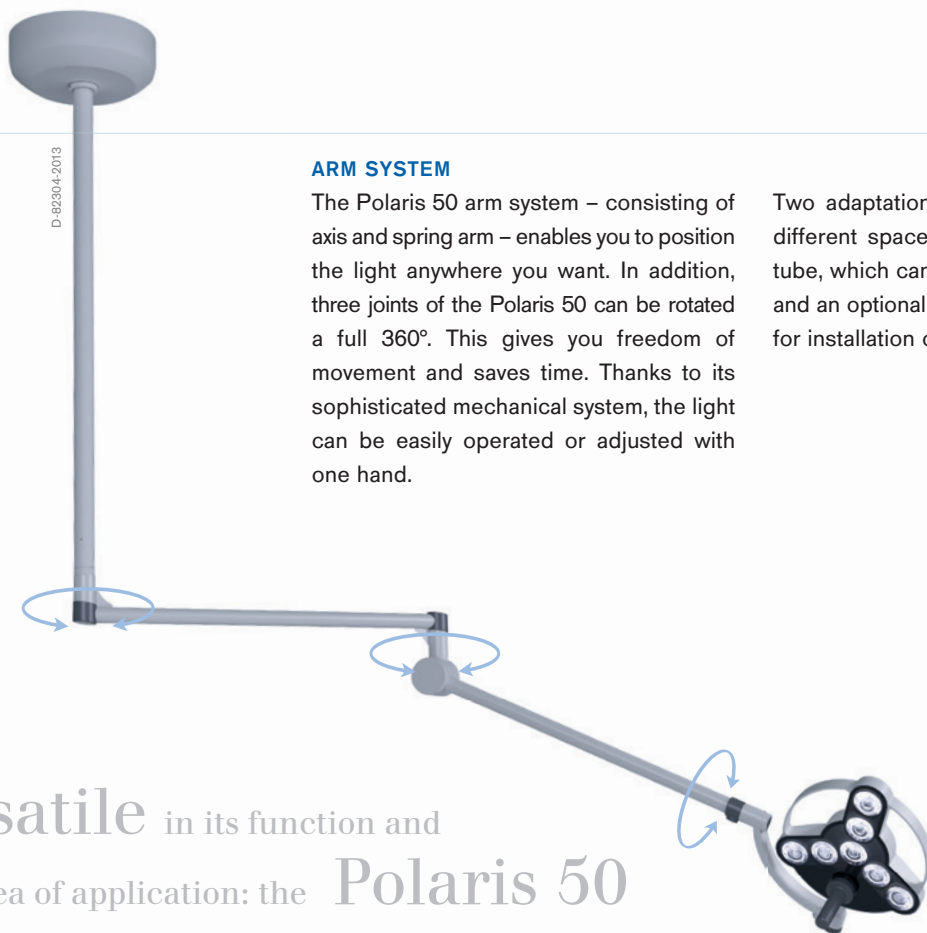
D-58449-2012

One-hand operation



D-58464-2012

Sterilisable handle



D-82304-2013

#### ARM SYSTEM

The Polaris 50 arm system – consisting of axis and spring arm – enables you to position the light anywhere you want. In addition, three joints of the Polaris 50 can be rotated a full 360°. This gives you freedom of movement and saves time. Thanks to its sophisticated mechanical system, the light can be easily operated or adjusted with one hand.

Two adaptation options are available for different space requirements: the ceiling tube, which can be individually shortened, and an optional suspended ceiling adapter for installation on suspended ceilings.

## Versatile in its function and area of application: the Polaris 50 LED treatment light

#### FUNCTIONAL DESIGN

The functional design of the Polaris 50 convinces with its compact form and robust components. It enables quick and efficient cleaning. The handle can be removed and sterilised. Individual components and the LED module itself can be professionally serviced by a Dräger service technician if required.

The light intensity is continuously adjustable via a dimming wheel which can be easily operated with one hand without accidentally changing the position of the light.

#### COMBINATION OPTIONS



D-82304-2013

Polaris® 50 Ceiling



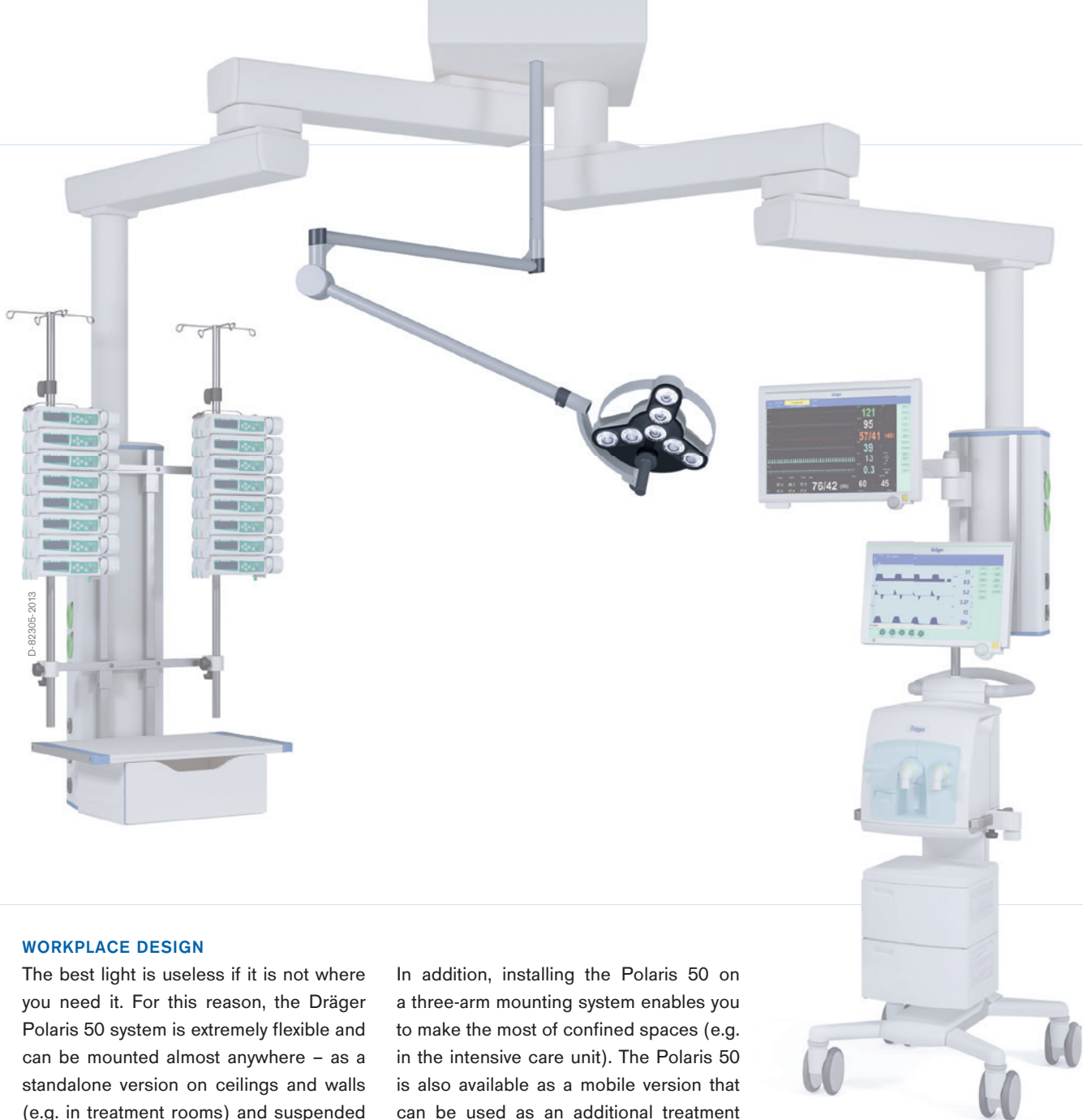
D-82301-2013

Polaris® 50 Wall



D-82303-2013

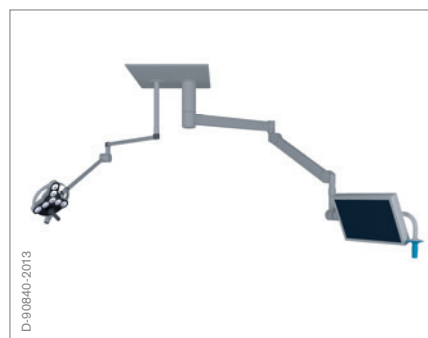
Polaris® 50 Mobile



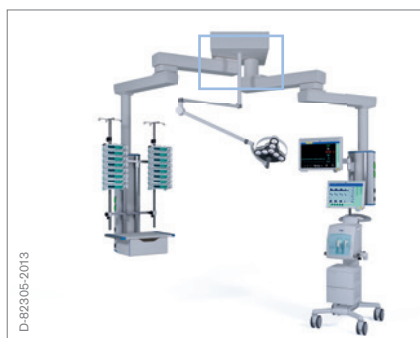
## WORKPLACE DESIGN

The best light is useless if it is not where you need it. For this reason, the Dräger Polaris 50 system is extremely flexible and can be mounted almost anywhere – as a standalone version on ceilings and walls (e.g. in treatment rooms) and suspended in combination with Dräger supply units (e.g. in the recovery room). Combination with a display (e.g. for emergency rooms) is also possible.

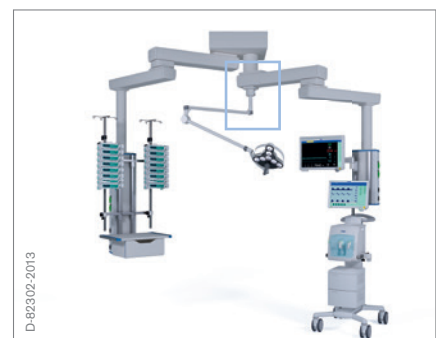
In addition, installing the Polaris 50 on a three-arm mounting system enables you to make the most of confined spaces (e.g. in the intensive care unit). The Polaris 50 is also available as a mobile version that can be used as an additional treatment light in general rooms, the OR section or operating rooms. The trolley of the mobile light is equipped with practical locking brakes and hooks for the power cable.



Polaris® 50 CSU on two-arm mounting system in combination with a display



Polaris® 50 CSU on three-arm mounting system, combined with two supply units



Polaris® 50 CSU under CSU support arm with two supply units

## TECHNICAL DATA\*

Illumination intensity (1 m distance)	60,000 lux
Brightness adjustment	Continuous, 20 – 100 %
Light field diameter d10 at 1.0 m	16 cm
Light field diameter d50 at 1.0 m	8.5 cm
Colour temperature	4,500 K
Colour rendering index Ra	95
Colour rendering index R9	90
Depth of illumination L1+L2 (in accordance with 60601-2-41)	> 120 cm
Power supply	100 – 240 V (AC)
Frequency	50 – 60 Hz
Power consumption	30 W (42 – 52 VA)
Bulbs	7 LEDs
Bulb life time	30,000 hours
Max. total illumination intensity	200 W/m <sup>2</sup>
Classification	Protection class I
Degree of protection	IP20, IP43
Light head diameter	33 cm
Total weight of light and axis system:	
Polaris® 50 Ceiling	13 kg
Polaris® 50 Wall	13 kg
Polaris® 50 Mobile	20 kg
Polaris® 50 CSU	10 kg
Accessories	Sterilisable handle Suspended ceiling adapter

\* Light-technical values are subject to a -10 % / +20 % tolerance

### CORPORATE HEADQUARTERS

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### Manufacturer:

Derungs Licht AG  
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The quality management system of  
Derungs is certified according to  
ISO 9001.

The product has been assessed in  
accordance with Annex VII of  
Directive 93/42/EEC.

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