Photo-Therapy 4000

Bilirubintherapy in a new light. With its high reliability and low running costs, the Photo-Therapy 4000 is recommended as a highly effective piece of pediatric equipment for use in the breakdown of high concentrations of bilirubin

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PHOTO-THERAPY 4000 FEATURES

– equal light distribution
– high intensity
– quiet, no noise of a fan
– white light for diagnosis
– small dimensions

Light helps to break down the substance bilirubin. The liver of a newborn often has a low detoxitation capacity. Treatment to reduce bilirubin is usually required if a newborn icterus occurs in the first day of life.

Photo-Therapy has proven to be a reliable method in the treatment of high bilirubin levels. Light transforms the bilirubin into a water soluble state by a photochemical reaction. This transformation enables precipitation by the gall bladder and kidneys.

The blue part of the spectrum, with an absorption peak of 460 nm is particularly effective for the disintegration of bilirubin. The Dräger “blue” fluorescent lights emit rays precisely in this range and are, therefore, ideally suited to the treatment. With its high reliability and low running costs, the Photo-Therapy 4000 is recommended as an effective piece of pediatric equipment for use in the breakdown of high concentrations of bilirubin.

PRODUCT ADVANTAGES

– Small dimensions
– Low weight
– High intensity
– Quiet, no noise of a fan
– Additional white light for diagnosis. Blue and white light can be switched on separately or together
– For enhanced intensity a replacement of the 2 »white« light tubes with 2 »blue« light tubes is possible
– Stand: for the functional placement of Photo-Therapy 4000 we offer a stand on castors

TECHNICAL SPECIFICATIONS DRÄGER PHOTO-THERAPY 4000

Enim ad minim veniam	
4 fluorescent tubes “blue” light	
2 fluorescent tubes “blue” light	
Power supply	120 watts

Radiant intensity in a distance of 40 cm/16 inches (US)	
With 4 blue fluorescent lights	EBi = 1.6 ±0.3 mW/cm2
With 6 blue fluorescent lights	EBi = 2.3 ±0.4 mW/cm2

Counter for operationg hours integrated	
Dimensions (L x W x H)	54 x 28.5 x 13.5 cm 21 x 11 x 5 inches (US)
Weight	110–127 V: 7.2 kg/16 lbs. 230 V: 5.6 kg/12 lbs.
Recommended bulb exchange of »blue« light tubes	every 1000 hours

ORDER INFORMATION DRÄGER PHOTO-THERAPY 4000

Name	**Order-No.**
Photo-Therapy 4000	2M 22 310 2M 21 700 (US)
Stand on castors	2M 21 190
Fluorescent light “blue”	2M 21 010
Fluorescent light “white”	2M 21 009

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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).