

D^{med}® **saturn** LED
LED TREATMENT LIGHTS



PRODUCT INFORMATION

PRODUCT ADVANTAGES

D^{med}® **saturn** LED - The polyvalent light. Variable lighting and excellent light quality:
A light for a wide variety of treatments.



Variable lighted area

The lighted area can be adjusted individually, allowing the practitioner to adapt precisely the light to the size of the area to be treated:
the work area can be seen entirely at a glance thanks to the extended lighted area, and the light can then be focused again for an accurate diagnosis.

Stepless and quick adjustment of the lighted area, thanks to a rotary knob.

- Lighted area at 1 m: Ø 14-32 cm



Light intensity / Illumination regulation

The setting of the light intensity by means of a dimming function allows the physician a time-saving, flexible and individual adjustment of the illumination.

Individually adjustable for any treatment situation: the setting depends on the luminosity of the object to be examined and on its brightness.

The light is glare-free from every angle of view. Any direct glare is prevented. There are no disturbing reflections on the area to be treated.

- 6 Dimming levels between 10 % - 100 %



Modifiable light colour (Colour temperature / Kelvin)

The light can be adapted to the various seeing tasks.

Selection of the optimal treatment light in function of the skin, the tissue or the wound type thanks to 3 colour levels.



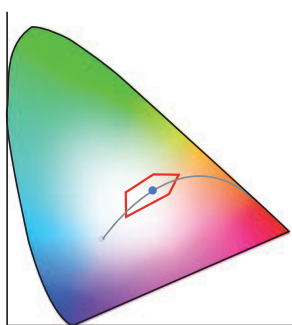
N (neutral white) / 4500 K
Ideal for general treatments






W (warm white) / 3700 K
Ideal for differentiating the condition of the surface of the skin



C (cold white) / 5000 K
Ideal for distinguishing single blood vessels



-  Black Body Curve
-  EN 60601-2-41
-  ● ● ● optimal light colour temperature

Colour rendering

Accurate colour rendering of the locally lighted body of the patient – no colour contaminations. $R_a = 93$

This means, for the practitioner, a more detailed recognition of the slightest colour nuances of the tissue. The lighted area appears natural and contrasted. The light is markedly more comfortable to the eye, and all colours are rendered with an absolute accuracy.



No heat radiation

LED light contains almost no infrared radiation, so that the light does not generate heat. Both the practitioner and the patient do not feel any hot spot on the body (due to the light source) – the treated area does not heat up.

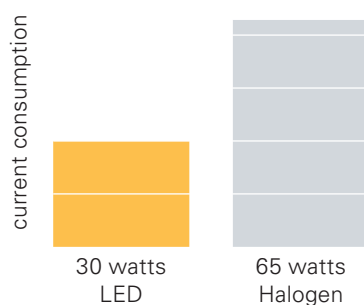
Easier working: the humid tissue does not dry out during the treatment.



Optimal working conditions

Often, the luminaire is located close to the head of the physician. Thanks to the cold light, the working conditions are optimal, and do not cause fatigue or headaches because of the heat. The light does not affect the performance of the physician.

Since there is no important generation of heat, no cooling fan is required. This ensures a silent working environment.



Improved energy efficiency

Notable energy savings thanks to the most up-to-date LED technology: high illuminance with only 30 watts.

With its low requirements, the simple setting of the light intensity ensures a minimised current consumption.

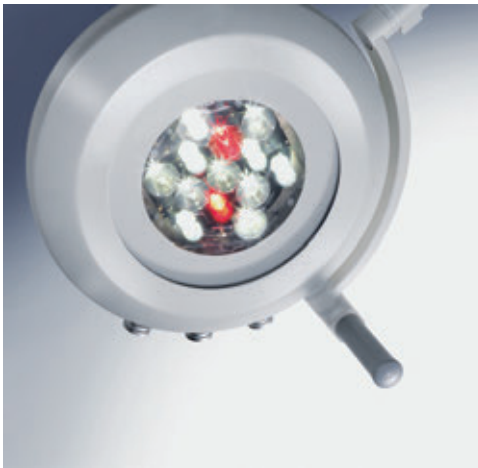
Divergence loss is avoided: LEDs have an oriented light beam. And in addition, the light is focussed by the optics.



Maintenance

The high lifetime of the LEDs ensures an almost maintenance-free operation. No light source replacement is required for the whole service life.

A closed design and the smooth surfaces guarantee a quick cleaning and disinfection. Furthermore, this design prevents the penetration of dust, dirt and liquids. The handle can be sterilised.



Minimised operating costs

The absence of maintenance work reduces the maintenance costs: no wear parts, no light source replacement.

Universal 100-240 volts transformer: can be used in all countries (specialised commerce).



Comfortable operation

3 rotary knobs are located in the head of the luminaire and can thus be reached from the work place.

Mobile and universal use

Roller stand: the mobile luminaire suits a polyvalent use in the most various medical areas.

Ceiling suspension and wall mounting: the possibility of mounting the luminaire on the ceiling or on a wall allows a universal use of the D^{med}® **saturn** LED, particularly in rooms requiring a high level of freedom of movement.



Safety / Standards

EN 60601

Medical electric equipment. This is the basic standard defining the design and safety requirements for medical electrical equipment.

EN 60601-1

General requirements, safety requirements.

EN 60601-2-41

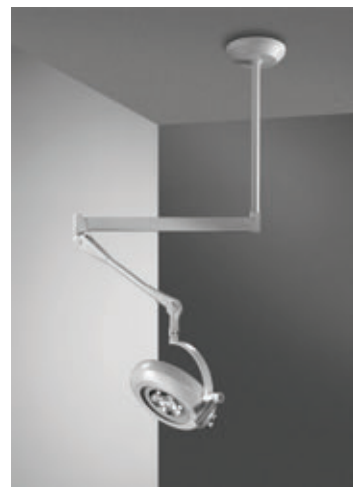
Safety of operation, treatment and examination lights.

Dmed® saturn LED 30 C

TECHNICAL DATA

TREATMENT LIGHTS

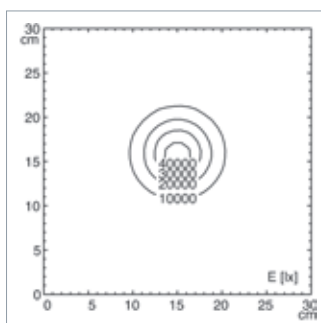
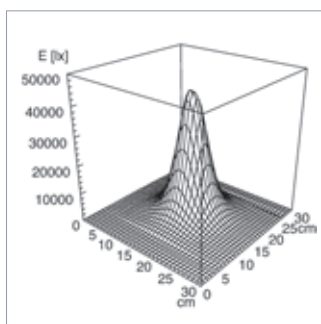
FITTED WITH	1 x LED lamp
LUMINOUS POWER	55 000 Lux / 1,0 m
ILLUMINANCEFIELD 1,0 M	Ø 14-32 cm
COLOUR TEMPERATURE	approx. 3700 K / 4500 K / 5000 K
WORK EQUIPMENT	electronic converter
CONNECTED LOAD	100-240 V; 50/60 Hz
MAINS LEAD	appr. 3 m; special plug
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 25.0 kg
POWER CONSUMPTION	approx. 30 W
USAGE	1 rotary knob with 3 levels (colour temperature), 2 rotary knobs (dimming and focusing)
TECHNOLOGY	single-pole secondary
BALANCE OF ARTICULATION JOINTS	spring (weight compensation)
CLASS OF PROTECTION	I
NORMS	EN 60601-1, EN 60601-2-41
SPECIAL FEATURES	3 color shades, 6 dimming levels, maintenance free, sterilisable grip, variable illumination field size
FASTENING	ceiling mount, intermediate ceiling adapter (on request), when mounting ceiling tube could be cut to length 30-120 cm
ORDER NUMBER	D15.071.000 - pure white - appr. 3 m; special plug



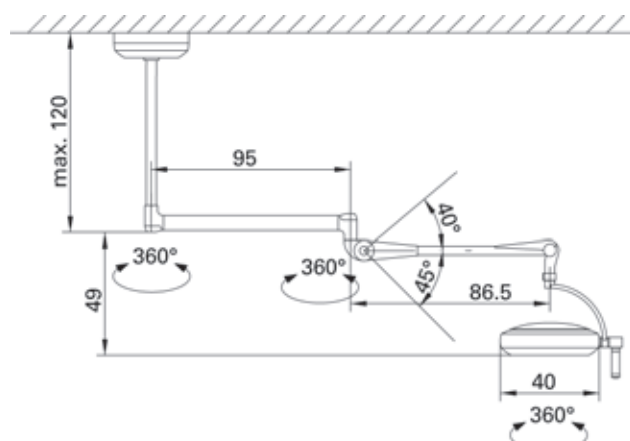
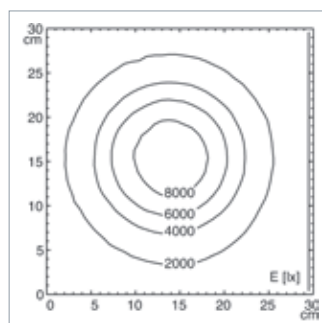
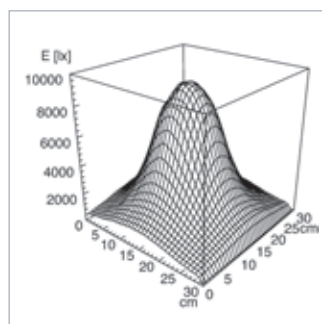
LIGHT DISTRIBUTION

TECHNICAL DRAWING

illuminancefield 14 cm



illuminancefield 32 cm



Dmed® saturn LED 30 W

TECHNICAL DATA

TREATMENT LIGHTS

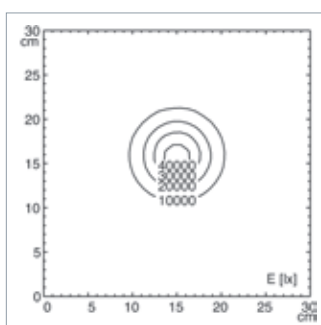
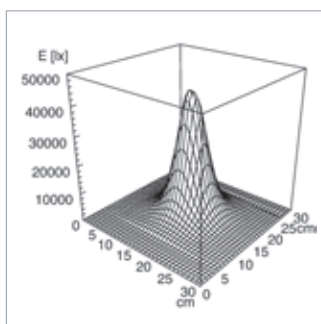
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LUMINOUS POWER	55 000 Lux / 1,0 m
ILLUMINANCEFIELD 1,0 M	Ø 14-32 cm
COLOUR TEMPERATURE	approx. 3700 K / 4500 K / 5000 K
WORK EQUIPMENT	electronic converter
CONNECTED LOAD	100-240 V; 50/60 Hz
MAINS LEAD	appr. 3 m; special plug
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 18.0 kg
POWER CONSUMPTION	approx. 30 W
USAGE	1 rotary knob with 3 levels (colour temperature), 2 rotary knobs (dimming and focusing)
TECHNOLOGY	single-pole secondary
BALANCE OF ARTICULATION JOINTS	spring (weight compensation)
CLASS OF PROTECTION	I
NORMS	EN 60601-1, EN 60601-2-41
SPECIAL FEATURES	3 color shades, 6 dimming levels, maintenance free, sterilisable grip, variable illumination field size
FASTENING	wall mount
ORDER NUMBER	D15.133.000 - pure white - appr. 3 m; special plug



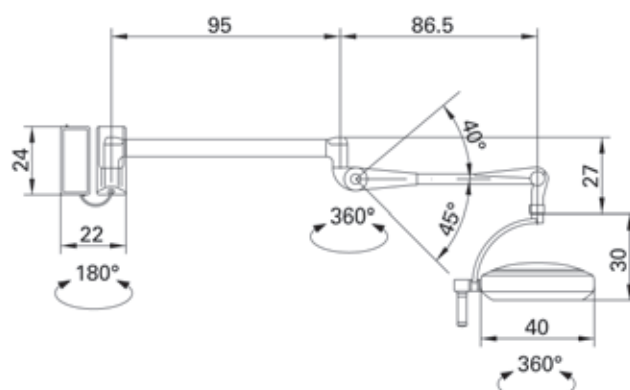
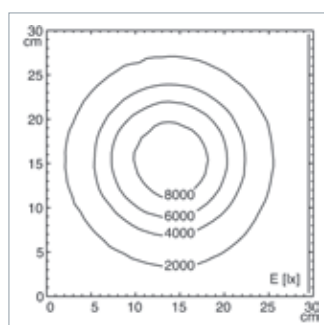
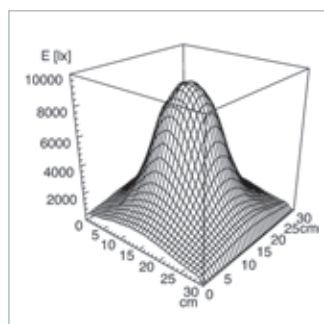
LIGHT DISTRIBUTION

TECHNICAL DRAWING

illuminancefield 14 cm



illuminancefield 32 cm



Dmed® saturn LED 30 F

TECHNICAL DATA

TREATMENT LIGHTS

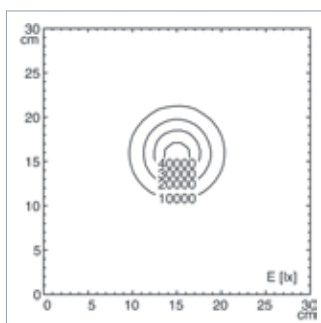
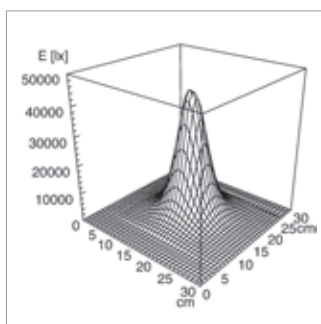
FITTED WITH	1 x LED lamp
LUMINOUS POWER	55 000 Lux / 1,0 m
ILLUMINANCEFIELD 1,0 M	Ø 14-32 cm
COLOUR TEMPERATURE	approx. 3700 K / 4500 K / 5000 K
WORK EQUIPMENT	electronic converter
CONNECTED LOAD	100-240 V; 50/60 Hz
MAINS LEAD	approx. 3 m
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 34.0 kg
POWER CONSUMPTION	approx. 30 W
USAGE	1 rotary knob with 3 levels (colour temperature), 2 rotary knobs (dimming and focusing)
TECHNOLOGY	single-pole secondary
BALANCE OF ARTICULATION JOINTS	spring (weight compensation)
CLASS OF PROTECTION	I
NORMS	EN 60601-1, EN 60601-2-41
SPECIAL FEATURES	3 color shades, 6 dimming levels, maintenance free, sterilisable grip, variable illumination field size
FASTENING	roller stand
ORDER NUMBER	D15.111.000 - pure white - Schuko D15.112.000 - pure white - CH D15.113.000 - pure white - UK



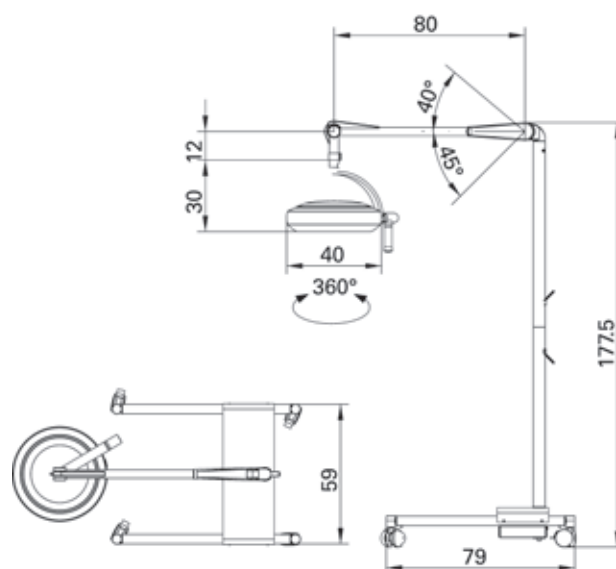
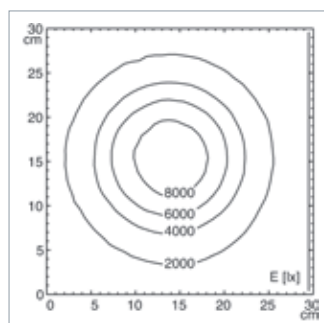
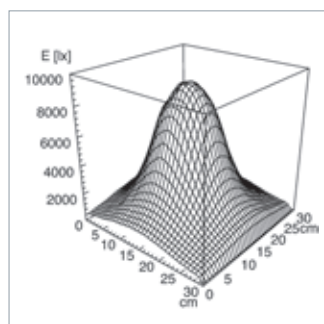
LIGHT DISTRIBUTION

TECHNICAL DRAWING

illuminancefield 14 cm



illuminancefield 32 cm



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