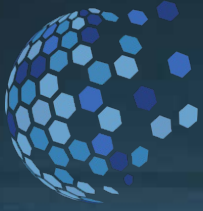




**DEWIMED**<sup>®</sup>  
SMART INNOVATION



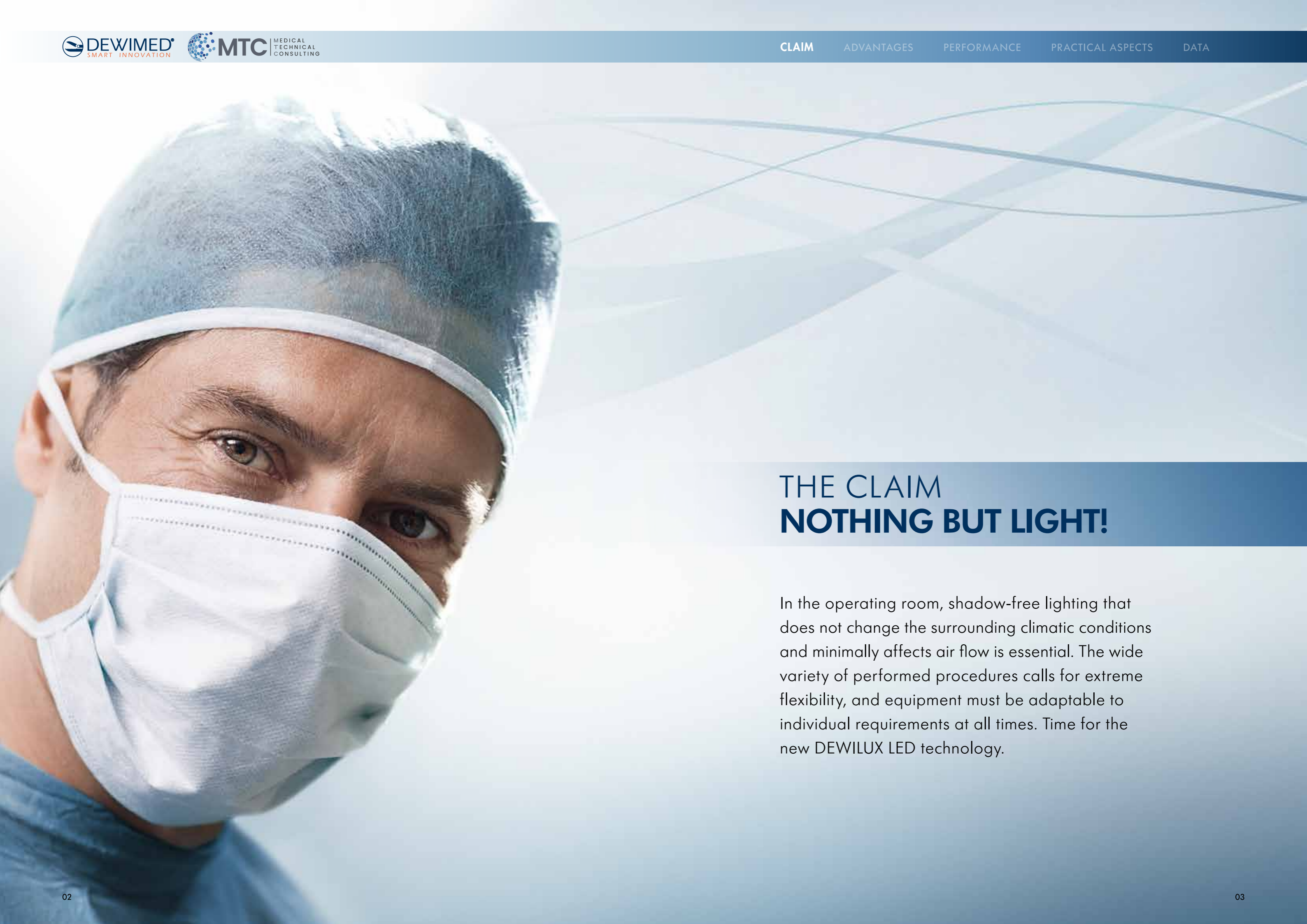
**MTC**

MEDICAL  
TECHNICAL  
CONSULTING



ICE COLD AND EFFICIENT  
**A NEW GENERATION OF  
SURGICAL LIGHTS.**

**DEWILUX 160/130LED**



## THE CLAIM **NOTHING BUT LIGHT!**

In the operating room, shadow-free lighting that does not change the surrounding climatic conditions and minimally affects air flow is essential. The wide variety of performed procedures calls for extreme flexibility, and equipment must be adaptable to individual requirements at all times. Time for the new DEWILUX LED technology.

**Absolutely hygienic**

The completely closed system with smooth surfaces can be easily sterilized using all cleaning agents and disinfectants authorized for use in operating rooms.

## ADVANTAGES **MORE THAN LIGHT!**

DEWILUX LED is a new generation of surgical lights. The latest LED technology with user-relevant features can be configured to suit individual requirements and offers the perfect lighting solution.

### **MADE IN GERMANY**

PREMIUM QUALITY MADE FROM ALUMINUM AND CRYSTAL GLASS FOR EXTRAORDINARY DURABILITY

### **ICE COLD LIGHT THROUGH ADVANCED TECHNOLOGY**

MINIMAL THERMAL IMPACT THANKS TO STATE-OF-THE-ART TECHNOLOGY AND UNIQUE DESIGN

### **UNMATCHED AMBIENT LIGHTING**

WITH 20 DIFFERENT COLOR VARIATIONS FOR MINIMALLY INVASIVE PROCEDURES AND APPROPRIATE AMBIENT LIGHTING

# PERFORMANCE INNOVATIVE TECHNOLOGY

The new DEWILUX LED lights generate ice cold light and provide a homogeneous, 360° field of illumination. The light intensity and light field can be adjusted using 9 and 5 different settings, respectively, shadow-free and without altering temperature or air flow, which may affect surgery. With the unique ambient light that features a color spectrum encompassing 20 different tones, you can control lighting conditions to ensure that minimal contrasts are evident and maximum visibility is guaranteed in a wide variety of procedures.

The DEWILUX system allows the gapless positioning of lights as well as the integration and straightforward positioning of all essential devices such as monitors, cameras and other equipment. The outer casing of our surgical lights is made exclusively from aluminum and crystal glass, thus ensuring extreme durability and optimal hygiene in conjunction with the closed housing.

- ICE COLD, SHADOW-FREE LIGHTING
- UNMATCHED AMBIENT LIGHTING FOR IMPROVED DETAIL RECOGNITION
- MINIMAL EFFECT ON LAMINAR FLOW THANKS TO HANDLE-FREE HOUSING
- ABSOLUTELY HYGIENIC THANKS TO CLOSED SYSTEM
- MADE TO LAST WITH LED LIFETIME OF 50,000 H
- EXTREMELY ENVIRONMENTALLY FRIENDLY WITH 40 TO 50 WATT P/H
- RECTANGULAR FOR GAPLESS POSITIONING



### Unmatched ambient lighting

20 color variations for better detail recognition. For instance, a broad green spectrum is available for endoscopy procedures that may involve bleeding.



### Optimal LED-reflector combination

The shape and arrangement of the reflectors, in perfect interplay with 2 bright LEDs each, provide a homogeneous 360° field of illumination.



### Individualized and intuitive operation

The ambient light control automatically deactivates the LED reflectors – no need for manual switching.



### Can be used anywhere

The mobile light is optionally battery-operated and guarantees 7 hours of constant light.

### State-of-the-art LED technology

Well-engineered light diodes combined with optimal reflector arrangement provide optimal light coverage.



## PRACTICAL ASPECTS CUSTOMER-ORIENTED



### Individualized customer configuration

The lighting system can be put together according to special requirements and perfectly tailored to any operating theatre.



### Flexible system

The light, camera and monitor arm with considerable swiveling and tilting range for all commercially available screens can be attached to an individual ceiling suspension and are lightweight and safe to position. 4 arms can be used per ceiling support unit.



### On-site service

High quality ensures the DEWILUX system's durability and long-term performance. Any essential repairs can be carried out on site.



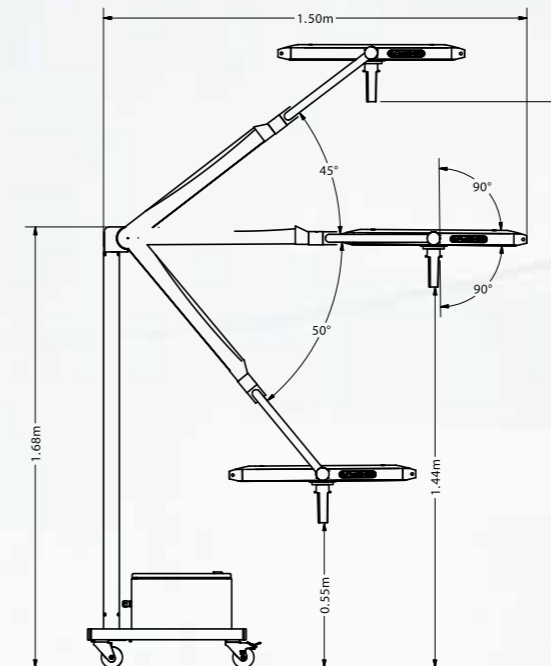
### Low ceiling heights

Space-saving design and an extremely narrow gimbal profile make this system particularly suitable for rooms with low ceilings as well.

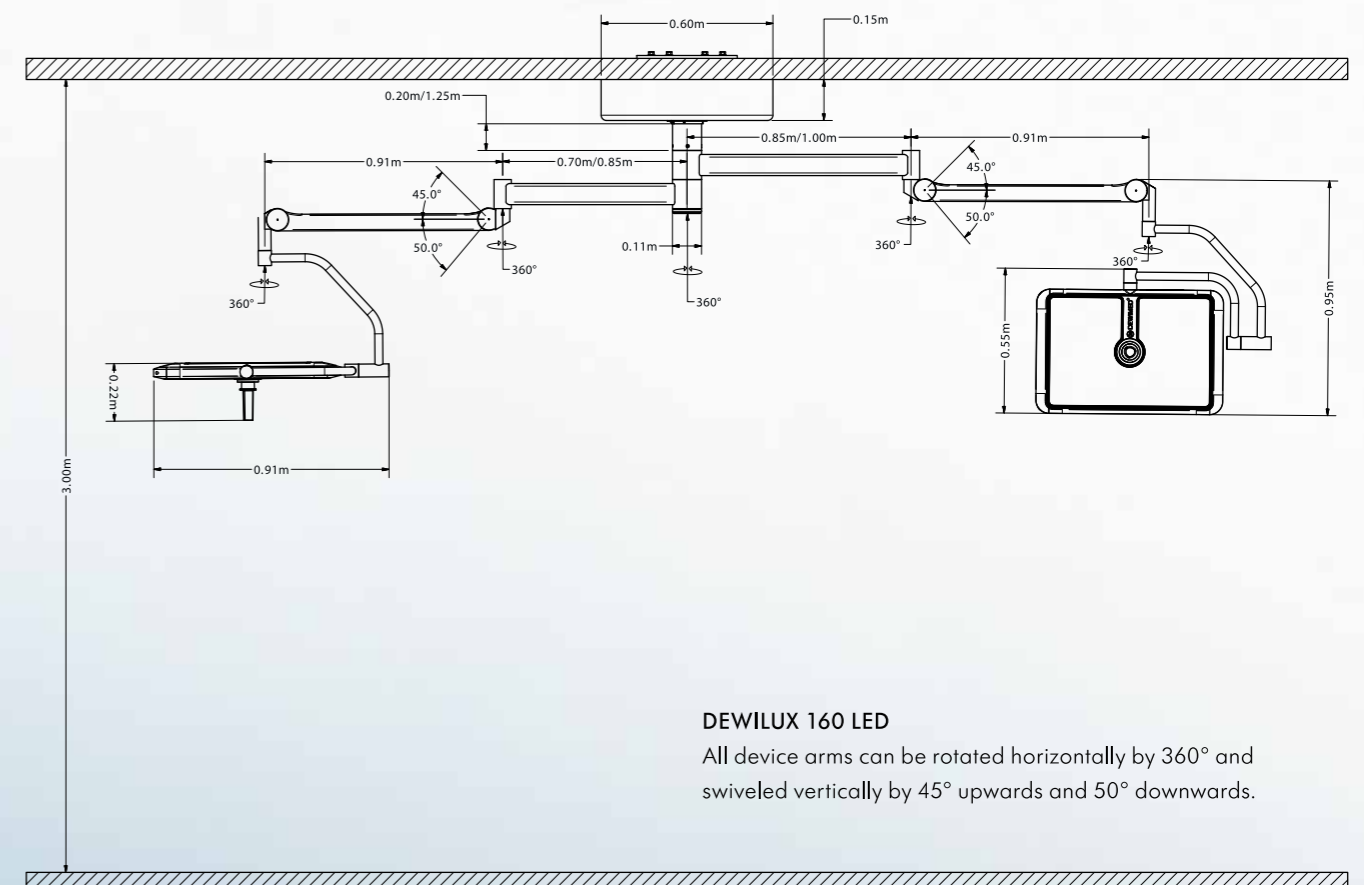
# DATA CONVINCING!

		DEWILUX 160 LED	DEWILUX 130 LED/mobile
<b>General data</b>	Dimensions [l x w x h] [mm]	470 x 707 x 56	470 x 578 x 56
	LED life-span [hours]	>50,000	>50,000
	Rotation [°]	360	360
	Sterilizable handle	Standard	Standard
	IP protection class	42	42
<b>Material</b>	Housing	Aluminum	Aluminum
	Glass	Crystal glass	Crystal glass
	Handle for sterilization handle	Aluminum	Aluminum
	Sterilization handle	Plastic	Plastic
<b>Electricity supply</b>	Nominal voltage [V]	27	27
	Voltage range [V]	18 to 32	18 to 32
	Max. power consumption [A]	3.6	3.2
	Nominal power consumption [A]	2.1	1.7
	Power input [W]	50	40
<b>Technical light properties</b>	Light intensity at a distance of 1 m [lx]	160 000	130 000
	Electronically dimmable [kLx]	40 to 160	40 to 130
	Light field diameter at a distance of 1 m [mm]	150 to 280	150 to 280
	Color rendering index R <sub>a</sub>	96	96
	Temperature rise in head area [°C]	approx. 1	approx. 1
	Color temperature [K]	4900	4900
	Luminous efficacy [lm/W]	290	290
	No. of LEDs	100	76
	Ambient light color variations	20	20
	Light field adjustment	5 steps	5 steps
Light intensity adjustment	9 steps	9 steps	
Depth of illumination L1 + L2	1.000	1.100	

Subject to technical changes



**DEWILUX 130 LED/mobile**  
The height of the mobile light can be adjusted within a range from 2.15 m to 0.55 m.



**DEWILUX 160 LED**  
All device arms can be rotated horizontally by 360° and swiveled vertically by 45° upwards and 50° downwards.



Authorized dealer:



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