

# Mach LED 130 Dental

Treatment light for dentistry  
with LED technology

Technical data LED 130 Dental light system	LED 130 Dental		LED 130 Dental P	
	Dental mode	Exam. light mode	Dental mode	Composite mode
Light intensity Lux	40.000 / 0,7 meters	65.000 / 0,7 meters	40.000 / 0,7 meters	65.000 / 0,7 meters
Colour rendering index R <sub>a</sub> <sup>(1)</sup> at 4300 Kelvin	95	4300	95	N.A. <sup>(2)</sup>
Colour rendering index R <sub>9</sub> at 4300 Kelvin	90	4300	90	N.A. <sup>(2)</sup>
Light field size (in cm)	13 x 8 (oval)	12	13 x 8 (oval)	12
Colour temperature (Kelvin)	4300	4300	4300	N.A. <sup>(2)</sup>
Elektronic light intensity control at the light head	50-100%		50-100%	
Temperature increase in the head area	0,5 °C		0,5 °C	
Total power consumption	16 W	20 W	16 W	20 W
Number of LED's	7	12	7	12
Life-span of the LED's	≥ 40.000 h		≥ 40.000 h	
Light head diameter (in cm)	33		33	

(1) R<sub>a</sub> is an average of R<sub>1</sub> = burnt pink,  
R<sub>2</sub> = mustard yellow, R<sub>3</sub> = yellow green,  
R<sub>4</sub> = light green, R<sub>5</sub> = turquoise blue,  
R<sub>6</sub> = skyviolet, R<sub>7</sub> = violet, R<sub>8</sub> = lilac.  
Maximum value = 100.

(2) Not applicable (see rear page)

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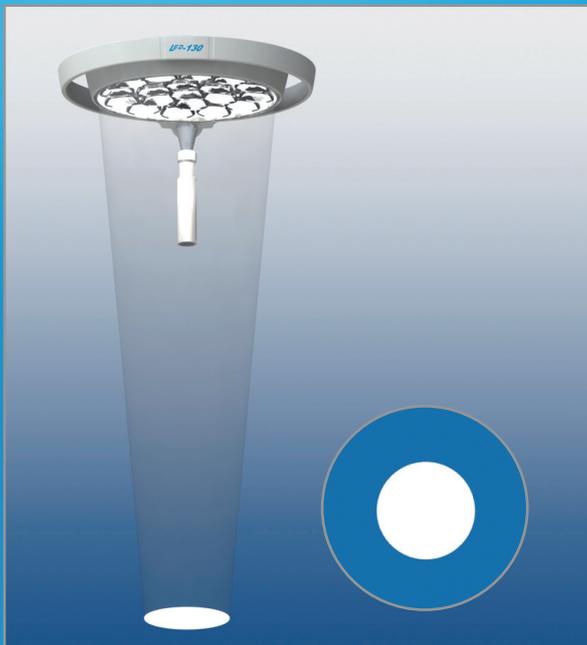
## Dental mode (LED 130 Dental and 130 Dental P)

The dental mode represents the standard configuration of the light.

The light can be used as a treatment light for dentistry. The photometric properties of the dental mode are orientated to the standard DIN EN ISO 9680 (Dentistry-Operating lights).

The dental mode is activated by a left-turn of the handle. The outer LED units turn off and the illuminated central LED unit creates an oval-shaped light field for the glare-free illumination of the oral cavity.

The light intensity of the central unit can be adjusted electronically at the key pad of the light.

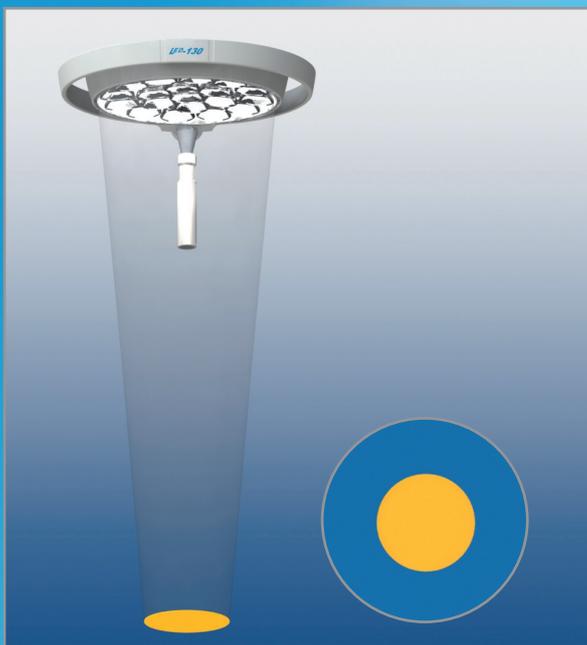


## Examination light mode (LED 130 Dental only)

When necessary the dental mode can be changed into the examination light mode. The light works as a regular examination light.

The examination light mode is activated by a right-turn of the handle. The central LED unit turns off. The outer LED units create a homogeneous, round, white light field.

The light intensity can be adjusted electronically at the key pad of the light.



## Composite mode (LED 130 Dental P only)

When necessary the dental mode can be changed into the composite mode. This operating mode is used to avoid a premature hardening of composite fillings.

The composite mode is activated by a right-turn of the handle. The central LED unit turns off. The outer LED units create a homogeneous, round, orange coloured light field. The light does not contain any UV-content and a minimum of blue colour content, which avoids the premature hardening of the composite fillings.

The light intensity can be adjusted electronically at the key pad of the light.