Dr. Mach
Medical lighting
+Technology

Mach 130

Compact examination light
with the quality of an operating light

EXAMINATION LIGHTS

Mach 130 examination light

Compact examination light with
the light quality of an operating light
for diagnosys and prophylaxis

Mach 130 with ceiling fixation

Mach 130 with wall fixation

Mach 130 mobile with four castors

Mach 130 mobile with five castors and short arm

Performance description

Mach 130

Superior colour rendition

Exact positioning of the light by the handle and a lateral grip bar

Electronic stepless light intensity control by the lampheads' on/off switch (turnable potentiometer)

On/off-switch at the lamphead

On/off-switch + light intensity control

Electronic transformer in the lamphead

Available also with separate transformer but then without light intensity control

Mach 130 F

Additionaly to the advantages of the Mach 130:

Focussinfg of the light field by turning of the handle

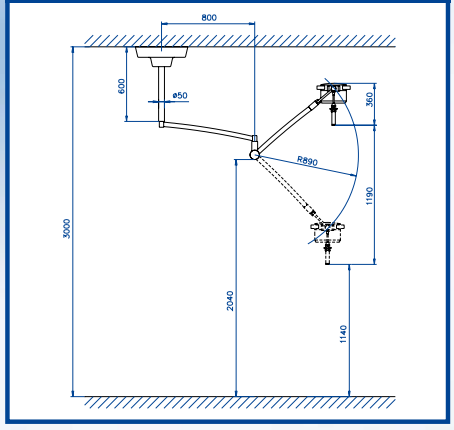
Cool light

Option against surcharge

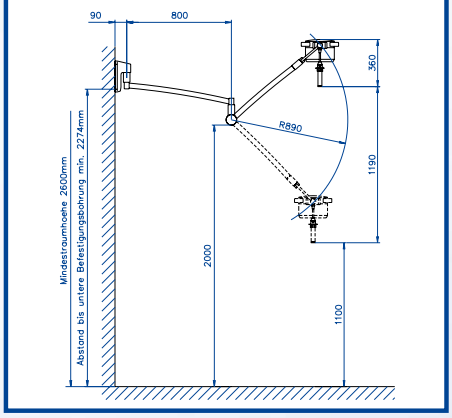
Sterilizable handle (removable)

Sterilizable handle

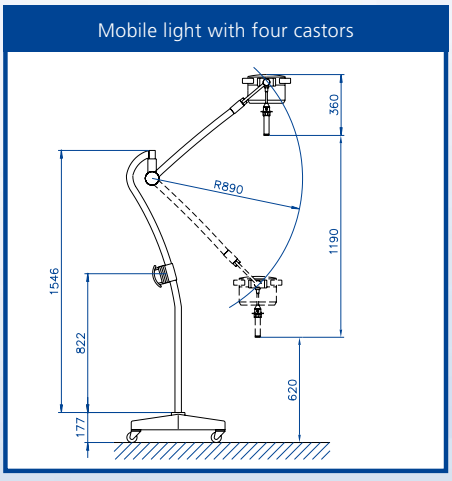
Ceiling fixation



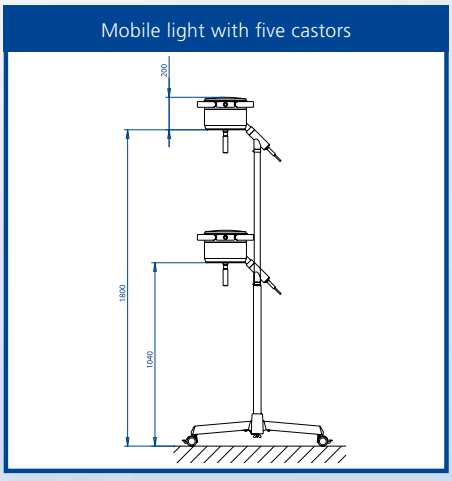
Wall fixation



Mobile light with four castors



Mobile light with five castors



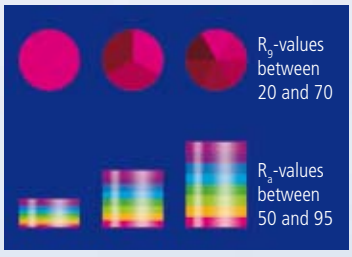
Dimensions in millimeter

Technical data Mach 130 light system	Mach 130 F[1]	Mach 130[2]
Light intensity in Lux at 1 meter distance	50.000	35.000
Colour rendering index R_a[3] at 4300 Kelvin	96	93
Colour rendering index R_9[4] at 4300 Kelvin	≥90	≥80
Focussable light field size (in cm)	14 - 25	17 (fixed focus)
Colour temperature (Kelvin)	4300	4300
Electronic light intensity control at the lamphead	Standard	Standard
Total power consumption	50 W	50 W
Light source Halogen 22,8V / 50W	1	1
Mains connection	230 V / 50 Hz	230 V / 50 Hz
Working distance (in cm)	70 - 140	70 - 140
Lamphead diameter (in cm)	22	22
Height adjustment (in cm)	119	119
Coating	mat silk RAL 9010	mat silk RAL 9010

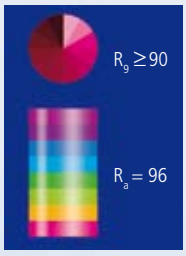
(1) F-models with focussing
(2) models with fixed focus
(3) R_a is an average of R_1 = burnt pink, R_2 = mustard yellow, R_3 = yellow green, R_4 = light green, R_5 = turquoise blue, R_6 = skyviolet, R_7 = violet, R_8 = lilac. Maximum value = 100.
(4) R_9 is the value for the rendering of the colour red. This is not used in calculating the general colour rendering index R_a. The values for conventional operating lights are between 20 and 70. Maximum value = 100. Values of more than 90 allow the surgeon to recognise details better in the wound area.

Advantages

Light quality and optics



Conventional lighting systems



Dr. Mach light system R96

Superior colour rendition

With a previously unattainable colour rendition $R_a = 96$ and $R_9(red) \geq 90$ you easily see the tiniest nuances of colour in tissue. For recognizing the exact colour spectrum of the wound the exact rendition of the red colour range is essential. $R_9(red) \geq 90$ means for the surgeon a visibly better recognition of details. The colour spectrum of the wound is rendered naturally. The OT-light clearly provides welcome relief for your eyes.

Focussing (optional)

By turning the sterilizable handle the bulb is moved inside the reflector up and down. The focussable light beam allows a punctual illumination of deepest wound channels with light intensity and a exact matching of the light field diameter with the size of the wound field.

Additional comfort

Cool light

Coated cold light reflectors reduce in connection with dielectrically coated cold light filters the heat radiation to a minimum. The unwanted infrared radiation of the light source is not reflected by the reflectors but released to the upper side (ceiling). The heat increase under the lamphead is avoided. The surgeons head area remains cool.

Easy maintenance

Without tools and with only a few steps the lamp housings can be opened to have access to all system components. Due to the module technology all components can be easily exchanged. Within 30 seconds you exchange the bulb. The housings are easy to clean.

Mach 130

Dr. Mach GmbH & Co. KG

Flossmannstraße 28 · D-85560 Ebersberg
Phone: +49 (0) 8092 / 2093-0 · Fax: +49 (0) 8092 / 2093-50
www.dr-mach.de · e-mail: info@dr-mach.de