


# ML4 LED

<b>DATA</b>		
Description		ML4 LED
Catalogue Number		see catalogue or price list
Stand / Datum		V02 / 19.09.2014

<b>GENERAL</b>		
Regulation		
Product variants		n/a
Weight		260 gramm, ML4 LED on Headband Professional L
		460 gramm, ML4 LED on Headband Professional L with mPack UNPLUGGED
Dimensions packaging		paperboard box: 405mm x 264mm x 200mm
Material		synthetic material, alumium, glass
REACH/RoHS		REACH & RoHS compliant
Phthalate		Contains no Phthalates
Biocompatibility		The medical device does not have patient contact per intended use. Therefore the ISO 10993 is not applicable.
Latex		Product is Latex free
Surface		Housing made of synthetic material
Environmental conditions operation		Temp.: +10°C to +35°C, relative humidity: 30%-75%, air pressure: 700hPa to 1060hPa
Environmental conditions storage		Temp.: +5°C to +45°C, relative humidity: 45%-80%, air pressure: 500hPa to 1060hPa
Environmental conditions transport		Temp.: -20°C to +50°C, relative humidity: 45%-80%, air pressure: 500hPa to 1060hPa
Durability		5 years warranty
Operating elements		Adjustable spot size control
Power Supply		mPack, mPack UNPLUGGED, EN50, Plug-in transformer
HIBC code:		J-008.31.410-000: +E229J008314010001J
EAN code:		J-008.31.410-000: 4053755179787
Customs code (tariff number)		90189084
UNSPSC-code		42182600 (class); 42182600 (commodity)
Accessories:		attachable yellow filter
Patents:		n/a

<b>MECHANICAL</b>		
Connections:		connection to i-View loupe carrier
Imprints:		"ML4 LED", red imprint „Heine-Logo“, "HEINE made in Germany", "serial number"

<b>CLEANING, STERILIZATION</b>		
		Please also see detailed instructions in the user manual! Wiping with non-agressive cleaning and disinfection solutions - no alcohol for the lens.

<b>LIGHT</b>		
Typ:		LED
Maintanance:		n/a
Voltage:		6-9V DC
Performance:		max. 5W
Power absorption		Max.600 mA
Light controlling:		stepless light control by headband mounted rheostat
Luminous intensity:		≥ 50.000lx
Colour temperature:		Approx. 4500K
Illuminated field:		30-80mm Ø in 420mm working distance
Quality of the illuminated field:		round, homogeneous illumination
medium life expectance:		approx. 50.000h
Operating times:		mPack: 8.5h, mPack UNPLUGGED: 3.5h
Colour rendering:		typ. CRI ≥ 90, R9 ≥ 75
UV radiation:		n/a
Lightening direction:		Vertical adjustable from -20° to ≥ 20° (ocular level)