

Illuminated magnifiers for therapy and cosmetic treatment



Magnification is an important tool for therapists and cosmetologists

Cosmetology is the study and application of beauty treatment. Cosmetic treatment includes a wide range of disciplines, including skin and nail care, epilation, manicure and pedicure. In their work, cosmetologists need first class lighting conditions and the aid of powerful and flexible magnifiers.

Foot therapists, too, require excellent lighting. Foot therapy is a form of medical treatment to remove or reduce hard skin, corns and calluses, and to treat cracks and sores. Proper magnification is essential for the diagnosis and treatment of feet.

The history of our illuminated magnifiers

Our history of lighting for the individual began with the development of the Luxo L-1 task light in 1937. The freedom of movement and the ability to place the light exactly where it was needed, forever changed the way task lights work.

L-1 was designed by Luxo's founder, the industrialist Jac Jacobsen, and is still in production. The lamp arm is balanced by springs that work on the action and reaction principle of human arm muscles. Jac Jacobsen soon realized that his spring balanced arm would carry a variety of different luminaires for various purposes, including illuminated

magnifiers. The decades following World War II saw the development of a range of illuminated magnifiers for industrial applications, therapy and cosmetology, low vision and the healthcare sector.

Modern range of arm-based magnifiers

Naturally, our range of products has been vastly expanded since those early days. However, the philosophy and knowledge from the development of the L-1 is being maintained in our modern products. Today our range of illuminated magnifiers comprises a wide variety of arm technology, with or without visible springs. They all have perfect balance, and careful ergonomics built into them.



This L-1 L magnifier was manufactured in 1955. It is still in daily use. We pioneered the development of illuminated magnifiers for the cosmetology sector.



Perfect balance, maximum flexibility

Our magnifiers are especially designed for maximum horizontal and vertical movement. They provide maximum horizontal reach, and will always stay in the right position without drifting. The arms are balanced by spring systems which ensure smooth and easy positioning.

The ability to place the lens and direct the light exactly where it is needed is a hallmark of our illuminated magnifiers. The flexibility of the lamp head means that it is easy to adjust the magnifier for your personal needs.

Friction free lamp head movements

It is the combination of arm and head movements that determines the degree of flexibility in a magnifier. Our magnifiers are highly flexible, offering a combination of the three all-important head movements:

- Horizontal side-to-side movement (yaw).
- Up and down movement (tilt).
- Rotation around a horizontal axis (roll).

The flexibility of the self-balancing arm and friction free joint between lamp head and arm makes exact positioning easy.



Maximum horizontal and vertical movement.



Friction free joint between lamp head and arm.



The importance of light quality

At Glamox Luxo we know how important light is for the working environment and for the individual's health and wellbeing. Good lighting reduces the risk of health problems, increases safety, and enhances productivity.

For this reason do we place great importance on the light quality of our illuminated magnifiers. They are not just magnifiers with light, but powerful luminaires with excellent light output. The quality and exact positioning of the light sources in relation to the lens allows for virtually shadow-free magnification and excellent colour rendering capabilities.

LED: Light source of the future

During the last few years we have designed, developed and manufactured a new generation of luminaires, using LED instead of traditional light sources. Light Emitting Diodes (LED) are semiconductors that emit light when an electric current passes through them. LEDs can be used on their own, or assembled into modules for added power.

Ergonomic. Energy efficient. Economic.

Our modern LED magnifiers are designed to provide the best possible ergonomics, while saving energy. They use only a fraction of the energy required by luminaires with traditional light sources.

Light emitting diodes have an incredibly long life span. The diodes in our LED magnifiers have a life expectancy of 50,000 hours. That means 25 years or more with normal use.

LFM LED

About magnification

Dictionary

Magnification

The degree to which a viewed object is enlarged. Expressed in percentage or by the symbol X. 100% magnification = 1X magnification, i.e. the object appears to be twice its actual size.

Diopter

Diopter is an optical term referring to the refractive (light bending) capacity of a lens. Each diopter increases magnification by 25%.

Focal length

Focal length is the distance from the centre of the lens to the viewed object when in focus. As magnification increases, the focal length decreases.

Magnification is the process of enlarging something only in appearance, not in physical size.

We offer a range of illuminated magnifiers for different applications. These have lenses of different shapes and sizes, made of a variety of materials including polycarbonate and glass of various qualities. They all provide magnification in accordance with the established standards for lens manufacturing (see our short dictionary). Please refer to the product guide to determine which model is right for your needs.

Using a Luxo magnifier

Our illuminated magnifiers are working tools. They are designed for precision and comfort. We recommend using both eyes whenever possible.

In order to achieve maximum magnification without distortion, the user should position the lens a proper distance from the object, and fairly close to the eyes. Do not lean back away from the lens in order to increase magnification.

Chair height and work surface should be adjusted for good posture.

Choice of magnification

The degree of magnification will vary with the task at hand. With low level magnification an object can be studied without blurring of the object's edges. With increased magnification even small details are clearly visible, but the blurring of the edges increases.



This table provides a complete overview of the total magnification options available by adding secondary lenses to our illuminated magnifiers.

Magnification table

Primary lens diopter	Secondary lens diopter	Total magnification	Magnification %	Focal length
Wave LED, Wave LED ESD				
3.5		1.9X	188 %	285 mm
3.5	4.0	2.9X	288 %	130 mm
3.5	6.0	3.4X	338 %	105 mm
3.5	10.0	4.4X	438 %	75 mm
5.0		2.3X	225 %	200 mm
5.0	4.0	3.3X	325 %	110 mm
5.0	6.0	3.8X	375 %	90 mm
5.0	10.0	4.8X	475 %	50 mm
KFM LED, KFM LED ESD				
3.0		1.8X	175 %	330 mm
3.0	4.0	2.8X	275 %	140 mm
3.0	6.0	3.3X	325 %	110 mm
3.0	10.0	4.3X	425 %	70 mm
5.0		2.3X	225 %	200 mm
5.0	4.0	3.3X	325 %	110 mm
5.0	6.0	3.8X	375 %	90 mm
5.0	10.0	4.8X	475 %	50 mm
LFM LED				
3.0		1.8X	175 %	330 mm
3.0	4.0	2.8X	275 %	140 mm
3.0	6.0	3.3X	325 %	110 mm
3.0	10.0	4.3X	425 %	70 mm
5.0		2.3X	225 %	200 mm
5.0	4.0	3.3X	325 %	110 mm
5.0	6.0	3.8X	375 %	90 mm
5.0	10.0	4.8X	475 %	50 mm
Circus LED, Circus LED Medical				
3.5		1.9X	188 %	285 mm
3.5	4.0	2.9X	288 %	130 mm
3.5	6.0	3.4X	338 %	105 mm
3.5	10.0	4.4X	438 %	75 mm
5.0		2.3X	225 %	200 mm
5.0	4.0	3.3X	325 %	110 mm
5.0	6.0	3.8X	375 %	90 mm
5.0	10.0	4.8X	475 %	50 mm
Magnifique II				
3.5		1.9X	188 %	285 mm
LFM-101				
3.0		1.8X	175 %	330 mm
3.0	4.0	2.8X	275 %	140 mm
3.0	8.0	3.8X	375 %	90 mm



Added magnification with a secondary lens

For additional magnification a secondary suction lens can be attached to the glass lens. Simply wet the secondary lens and stick it onto the larger lens. Secondary lenses are available in 4, 6 and 10 diopter strengths, increasing magnification by 100%, 150% and 250% respectively. For some models we also offer mechanical attachment lenses and swing-away lenses.

Product guide

KFM LED

Advanced multi-purpose LED magnifier

KFM LED has a robust all-metal construction with sleek design, a flexible arm and excellent light output. It is suitable for beauty treatment, therapy, clinics and laboratories, and as a tool for people with impaired vision. The flexibility of the joint between lamp head and arm makes exact positioning easy. The quality and exact positioning of the LEDs allows for virtually shadow-free magnification and excellent colour rendering.

Technical details

Light source: Supplied with 2 semi-circular LED modules with a total energy consumption of only 11W. Correlated colour temperature (CCT) is 4000°K. Colour rendition index (CRI) is 80.

Body material & colour: Steel arm, shade in aluminium. Colour: White or light grey.

Mounting: Standard with table clamp (AH clamp). Other table clamps, integrated table mounts and trolley are available on request.

Optics: Standard with 3 or 5 diopter crown glass lens.

Secondary lenses: For additional magnification a secondary suction lens of 4, 6 or 10 diopters can be attached to the glass lens.

Power supply: Supplied with cable and plug.

Arm technology & movement: Parallel, three-pivot arm. Arm length is 105 cm.

Timer & dimming: The LED modules are dimmable 1–100%. A shut-off function is integrated. The light will automatically shut off after 4 or 9 hours.



Article numbers	
KFLO26034	KFM LED T105 Wh 111 840 3D CLA EU
KFLO26035	KFM LED T105 lg 111 840 3D CLA EU
KFLO26036	KFM LED T105 Wh 111 840 5D CLA EU
KFLO26037	KFM LED T105 lg 111 840 5D CLA EU

KFM LED ESD

LED magnifier with black anti-static coating

KFM LED ESD is especially made for the electronics industry where electrostatic discharges can prove fatal for electronic components. However, its black colour and special coating makes it an excellent choice for many cosmetology applications.

KFM LED has a robust all-metal construction with sleek design, a flexible arm and excellent light output. The flexibility of the joint between lamp head and arm makes exact positioning easy. The quality and exact positioning of the LEDs allows for virtually shadow-free magnification and excellent colour rendering.

Technical details

Light source: Supplied with 2 semi-circular LED modules with a total energy consumption of only 11W. Correlated colour temperature (CCT) is 4000°K. Colour rendition index (CRI) is 80.

Body material & colour: Steel arm, shade in aluminium. Colour: Black.

Mounting: Standard with table clamp (AH clamp). Other table clamps, integrated table mounts and trolley are available on request.

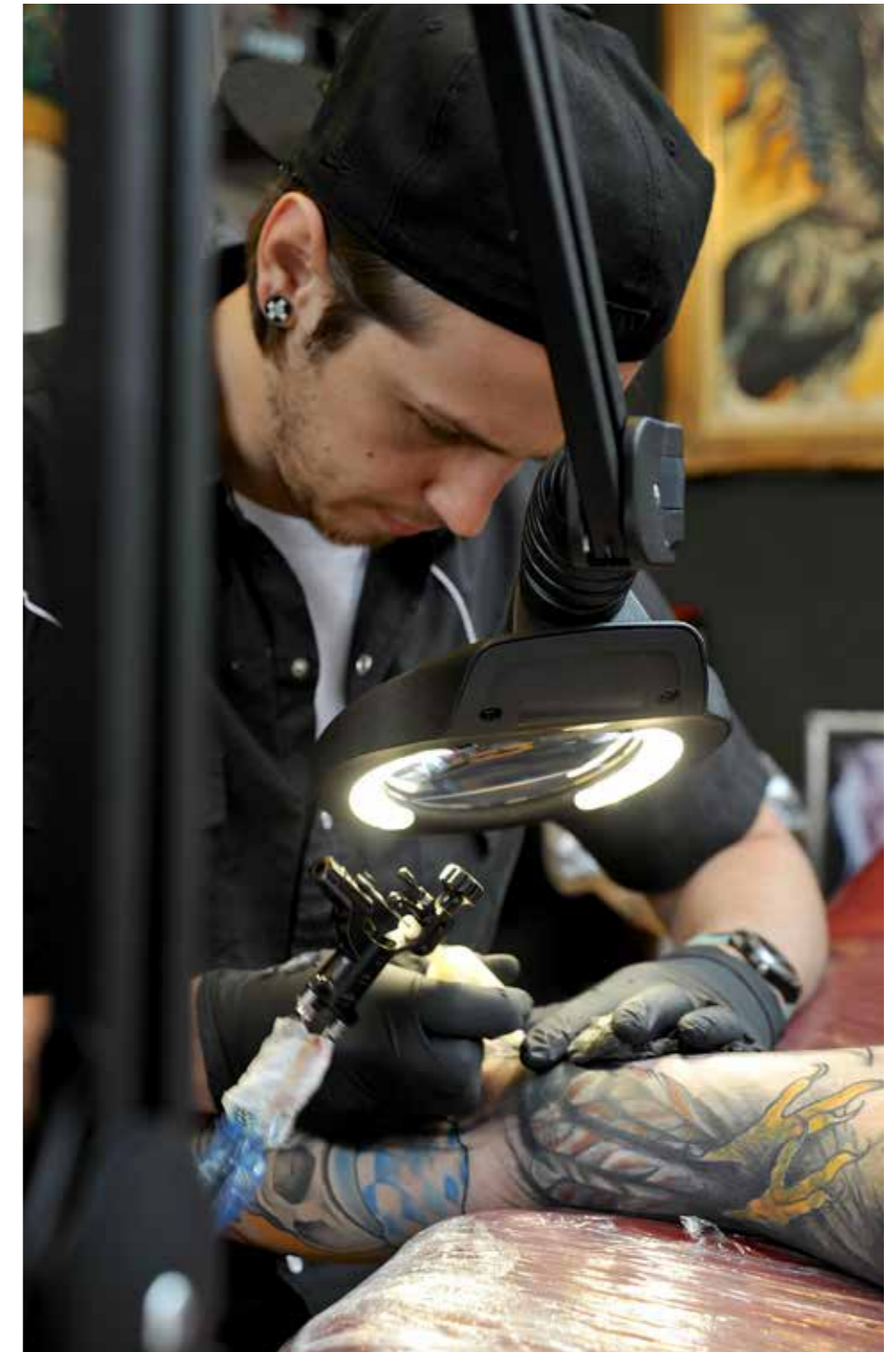
Optics: Standard with 3 or 5 diopter crown glass lens.

Secondary lenses: For additional magnification a secondary suction lens of 4, 6 or 10 diopters can be attached to the glass lens.

Power supply: Supplied with cable and plug.

Arm technology & movement: Parallel, three-pivot arm. Arm length is 105 cm.

Timer & dimming: The LED modules are dimmable 1–100%. A shut-off function is integrated. The light will automatically shut off after 4 or 9 hours.



Article numbers	
KFLO26099	KFM LED T105 Bl 111 840 3D CLA ESD EU
KFLO26050	KFM LED T105 Bl 111 840 5D CLA ESD EU

Product guide

Circus LED

Powerful LED magnifier with huge glass lens

Circus LED is well suited for demanding work in beauty parlours, clinics and laboratories. This powerful LED-magnifier has a large lens, aluminum head and a highly flexible self-balancing arm and shade neck. The large lens permits comfortable viewing with both eyes. Circus LED has a highly flexible shade neck. The shade neck can be positioned horizontally, vertically and laterally making the luminaire very flexible for most examinations. The fully covered spring balanced arm makes it easy to position the luminaire in the correct position and makes cleaning easy.

Technical details

Light source: Supplied with 10 W circular LED module, 750lm out. Correlated colour temperature (CCT) 3000K or 4000K. Colour rendition index (CRI) is 90.

Body material & colour: Steel arm with aluminium head. Shade neck cover in rubber. Colours: white arm and white head, plastic parts in black.

Mounting: Standard with table clamp (AH clamp). Other table clamps, integrated table mounts and trolley are available on request.

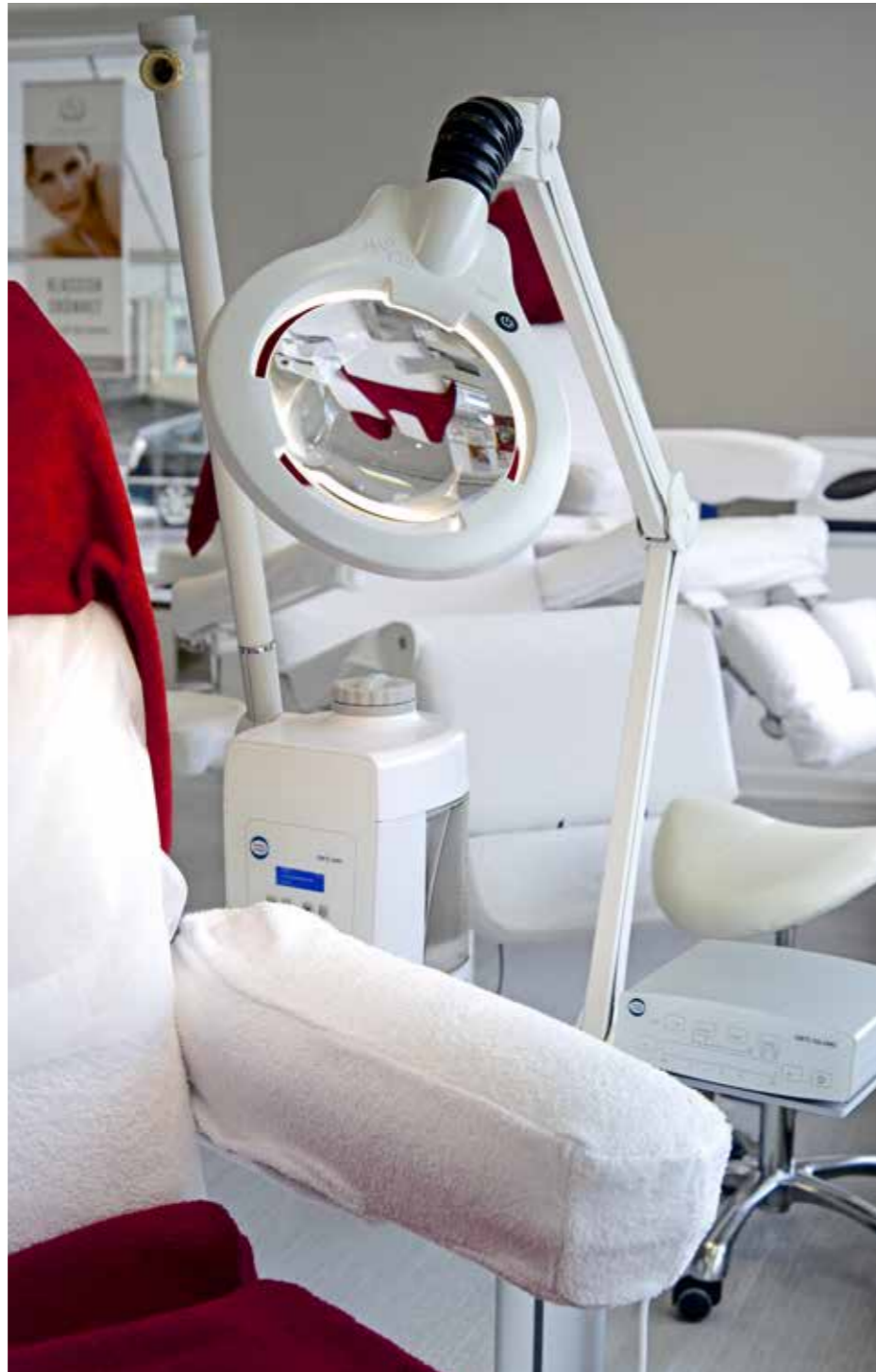
Optics: Standard with 3,5 diopter or 5 diopter crown glass lens. Lens diameter is 165 mm.

Secondary lenses: For additional magnification a secondary lens, 4, 6 or 10 diopters can be attached to the magnifier.

Power supply: Supplied with cable and plug.

Arm technology & movement: Parallel, three-pivot arm. Arm length is 100 cm.

Timer and dimming: The LED modules are dimmable, 10–100%. A shutoff function is integrated. The light will automatically shut off after 9 hours.



Article numbers	
CIL026692	Circus LED T100 Wh 110 830 3,5D CIA EU
CIL026694	Circus LED T100 Wh 110 830 5D CIA EU
CIL026693	Circus LED T100 Wh 110 840 3,5D CIA EU
CIL026695	Circus LED T100 Wh 110 840 5D CIA EU

LFM LED

Lightweight illuminated magnifier

LFM LED is a lightweight magnifier with an all-metal construction, LED light sources, and a flexible spring-balanced arm in the Luxo tradition. It is equally well suited for professional use as for use by the visually impaired and others with a need for precise magnification. The light weight makes it easy to move around.

The ø127 mm glass lens is positioned in the middle of a circle of LED light sources. This is the ideal way of illuminating an object, virtually eliminating shadows. LFM LED is supplied with a 3 or 5 diopter glass lens. A cloth cover is provided to protect the lens from dust and to prevent the luminaire from inadvertently turning into a burning glass.

Technical details

Light source: One LED-module of 7W with a total consumption on 9,5W. Colour temperature 4000K with CRI80.

Body material & colour: Steel arm, shade in aluminium. Colour: White.

Mounting: Standard with table clamp. Other brackets, integrated table mounts and trolley are available on request.

Optics: Standard with 3 or 5 diopter glass lens. Lens diameter: 127mm.

Secondary lenses: For additional magnification a secondary suction lens of 4, 6 or 10 diopters can be attached to the glass lens.

Power supply: Plug-in 24 V power supply.

Arm technology & movement: Parallel, three-pivot arm. Arm length is 100cm.

Dimmer: 3-step dimmer 100-50-0%.



Article numbers	
LFL026102	LFM LED T100Wh107 840 3D CLAEU
LFL026103	LFM LED T100Wh107 840 5D CLAEU

Product guide

Wave LED

Industrial LED magnifier with 3D feature

Wave LED is equipped with two 6 W LED modules, which are lit individually. Wave LED offers shadow-free magnification with light coming from both sides, as well as three-dimensional magnification with light coming from the left or right. With its rectangular lens, Wave LED permits viewing with both eyes, which is useful for many cosmetology purposes. Wave LED has a robust all-metal construction with sleek design, a flexible arm and excellent light output. The flexibility of the joint between lamp head and arm makes exact positioning easy.

Technical details

Light source: Supplied with 2 x integrated LED modules of 6W. Correlated colour temperature (CCT) is 4000°K. Colour rendition index (CRI) is 80.

Body material & colour: Steel arm, shade in aluminium. Colour: White or light grey

Mounting: Standard with table clamp (AH clamp). Other table clamps, integrated table mounts and trolley are available on request.

Optics: Standard with 3.5 or 5 diopter crown glass lens.

Secondary lenses: For additional magnification a secondary suction lens of 4, 6 or 10 diopters can be attached to the glass lens.

Power supply: Supplied with cable and plug.

Arm technology & movement: Parallel, three-pivot arm. Arm length is 105 cm.

Timer and dimming: Wave LED is equipped with step dimming 0-50-100%. A shut-off function is integrated. The light will automatically shut off after 4 or 9 hours.



Article numbers	
WAL025948	Wave LED T105 Wh 206 840 3,5D CIA EU
WAL025949	Wave LED T105 lg 206 840 3,5D CIA EU
WAL025950	Wave LED T105 Wh 206 840 5D CIA EU
WAL025951	Wave LED T105 lg 206 840 5D CIA EU

Wave LED ESD

Rectangular LED magnifier with black antistatic coating

Wave LED ESD is especially made for the electronics industry where electrostatic discharges can prove fatal for electronic components. However, its black colour and special coating makes it an excellent choice for many cosmetology applications.

Wave LED ESD has a robust all-metal construction with sleek design, a flexible arm and excellent light output. The flexibility of the joint between lamp head and arm makes exact positioning easy.

Technical details

Light source: Supplied with 2 x integrated LED modules of 6W. Correlated colour temperature (CCT) is 4000°K. Colour rendition index (CRI) is 80.

Body material & colour: Steel arm, shade in aluminium. Colour: Black.

Mounting: Standard with table clamp (AH clamp). Other table clamps, integrated table mounts and trolley are available on request.

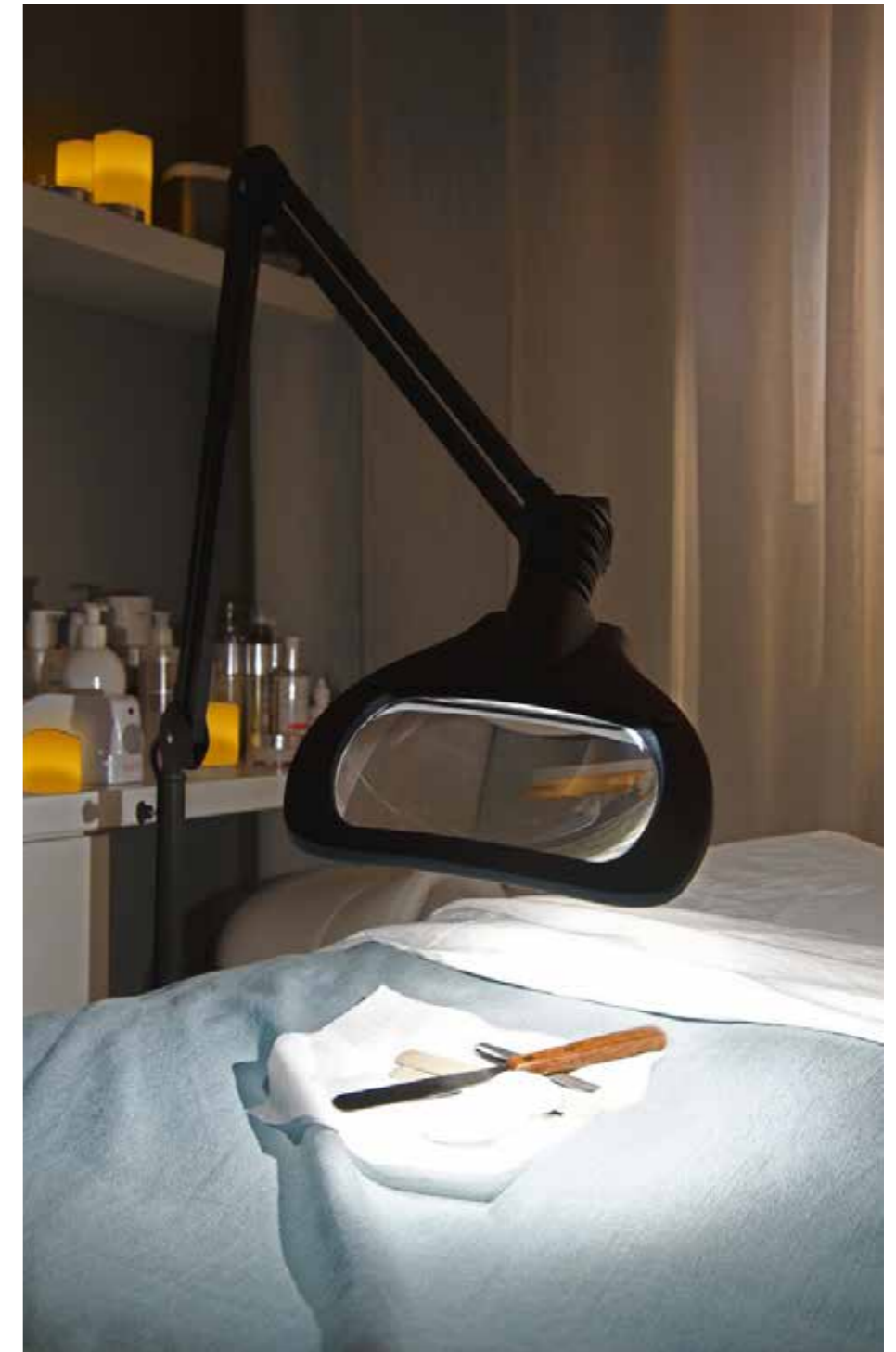
Optics: Standard with 3.5 or 5 diopter crown glass lens.

Secondary lenses: For additional magnification a secondary suction lens of 4, 6 or 10 diopters can be attached to the glass lens.

Power supply: Supplied with cable and plug.

Arm technology & movement: Parallel, three-pivot arm. Arm length is 105 cm.

Timer and dimming: Wave LED is equipped with step dimming 0-50-100%. A shut-off function is integrated. The light will automatically shut off after 4 or 9 hours.



Article numbers	
WAL025964	Wave LED T105 Bl 206 840 3,5D CIA ESD EU
WAL026064	Wave LED T105 Bl 206 840 5D CIA ESD EU

More Luxo magnifiers...

LFM-101

Classic illuminated magnifier

While primarily intended for industrial uses, the LFM-101 adapts equally well for domestic use. The magnifying head is made of ABS polymer, combining a light weight design with high impact strength. Colour: White or grey. Standard version with 3 diopter glass lens.



Article numbers

LFM012279	LFM-101 T105Wh 122840 3D CIA EU
LFM012280	LFM-101 T105lg 122840 3D CIA EU

Magnifique II

Illuminated magnifier for people with impaired vision

Magnifique II comes with a 3.5 diopter glass lens for maximum scratch resistance. The power switch has been designed to give good tactile feedback, making it easy to find and operate. Colour: White.



Article numbers

MAG017684	Magn T105 Wh 111 840 3,5D GL CIA EU
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Circus LED Medical

Illuminated magnifier for the medical sector

This excellent magnifier's light source is a circular LED module with good colour rendering. Circus LED Medical is designed for clinical use in surgeries, consulting rooms and other healthcare facilities. It is approved as a medical device according to IEC 60601-1 and IEC 60601-1-2. Colour: White with black details. Available with 3,5 or 5 diopter crown glass lens.



Article numbers

CIL026772	Circus LED M T100 Wh 110 940 3,5D CIA EU
CIL026773	Circus LED M T100 Wh 110 940 5D CIA EU

Accessories

Our illuminated magnifiers are available for multiple applications, and are designed for table or trolley mounting. Some models may be wall-mounted. We offer a choice of accessories, including additional lenses for increased magnification.

Secondary lenses



Suction lens 4, 6 or 10 diopters
Increases magnification by 100%, 150% or 250%.
For use with Circus LED, Wave LED, Wave LED ESD, KFM LED, KFM LED ESD and LFM LED.

SPD025980	Suction lens, 4 diopters
SPD025979	Suction lens, 6 diopters
SPD026119	Suction lens, 10 diopters

Mounting options



Floor stand (trolley) with extra weight
White painted steel pole and star-shaped base. Kit includes both lockable trolley wheels and floor stand glides.
The extra weight is recommended for all magnifiers.

BRK025205	Floor stand/trolley, white
SPA025674	Extra weight, white



CC surface mounted bracket
Surface mounting bracket. Available in white, black and light grey.

BRK025140	CC surface bracket, white
BRK025141	CC surface bracket, black
BRK025142	CC surface bracket, light grey



BSP wall bracket
The best support for wall mounted luminaires. A 130x130 mm square steel back plate with 4 fixing holes distributes weight evenly across the wall.
Available in white.

BRK024221	BSP wall bracket, white
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TE table bushing
For insertion into horizontal surfaces.
Available in chrome.

BRK700068	TE table bushing
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Extra handle for KFM LED
A handle for KFM LED is available as an accessory. For easier positioning of the shade.

SPD026586	Handle KFM LED, white
SPD026587	Handle KFM LED, light grey
SPD026589	Handle KFM LED, black ESD



Glamox Luxo Lighting

Glamox Luxo Lighting is a leading supplier of lighting solutions to the professional building market, offering complete product ranges for schools, healthcare facilities, commercial and industrial buildings, retail facilities, hotels, restaurants and more.

Our products and solutions are developed and tested by our engineers at our own research and testing facilities, and manufactured and certified in accordance with all relevant quality and environmental standards. They are based on the latest technology and expertise – and generations of experience.



All our products are covered by a five year warranty. More information is available from our web site www.glamox.com/gsx