

Светильники с линзой TEVISIO, MLD, RING LED, SNLQ, SNL/SNLE, RLL

Технические характеристики

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Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

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эл.почта: wne@nt-rt.ru || сайт: <https://waldmann.nt-rt.ru/>

MAGNIFIER LUMINAIRES

Magnifier luminaires are ideal for the precise inspection of parts in research, development and production. The combination of high-quality light and distortion-free magnification ensures premium inspection quality.



TEVISIO		  LED	IP20	120 - 123
RING LED		  LED	IP20	124 - 125
SNL/SNLE		 	IP20	126 - 127
RLL		 	IP20	128 - 129

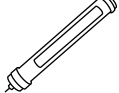
Integrated
machine
luminaires



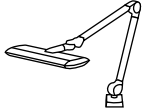
Surface-
mounted
luminaires



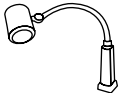
Tube
luminaires



Arm-mounted
luminaires



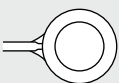
Flexible-tube
luminaires



Pivoting-head
luminaires



Magnifier
luminaires



TEVISIO

THE EFFICIENT NO. 1 IN TERMS OF FLEXIBILITY AND QUALITY VISION.



Whether in labs, the electronic, metal or watch industries – TEVISIO is essential wherever your eyes are put to the test. In manufacture, assembly, quality assurance or analysis, it applies ergonomic perfection to support highly demanding visual tasks.

With highly developed LED technology, innovative arm technology and a field of vision that is ideally geared towards optic distance, the TEVISIO magnifier luminaire combines optimum efficiency and ergonomics at the workplace.

- 48 premium SMD LEDs
- 40 % energy savings
- Up to 6,000 lx at just 14 W
- Maintenance-free: LED life of up to 50,000 h and more
- Continuously dimmable down to 10 %
- Variants with Visualizer function for identifying structures and faults
- Color reproduction level 1A
- 3.5 diopters for approximately double magnification
- Absolutely scratch-proof glass magnifier, optionally nonreflecting
- Wide field of vision with Ø 153 mm for distortion-free vision
- Robust aluminum and high-performance plastic
- Closed joints protect the internal cables
- Enormous operating radius, uniquely flexible head joint
- Balanced arm, easily adjustable, can be precisely fixed if needed
- Also available in ESD design





Integrated
machine
luminaires



Surface-
mounted
luminaires



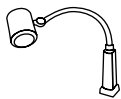
Tube
luminaires



Arm-mounted
luminaires



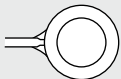
Flexible-tube
luminaires



Pivoting-head
luminaires



Magnifier
luminaires





CONSUMPTION	OPERATING DEVICE	CONNECTED LOAD	SPECIAL FEATURE	E_m/E_{max}^*	MODEL	ORDER NUMBER
14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 484 mm, B = 500 mm	4002/6141 lx ¹	RLLQ 48 R	112 918 000 - 004 908 93
NEW 14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 484 mm, B = 500 mm Nonreflecting lens	4002/6141 lx ¹	RLLQ 48 R	112 918 000 - 005 472 74
14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 484 mm, B = 500 mm Add-on lens 8 dpt	4002/6141 lx ¹	RLLQ 48 R	112 918 001 - 004 991 54
14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 484 mm, B = 500 mm Visualizer	4002/6141 lx ¹	RLLQ 48/2 R	112 918 002 - 005 090 20
NEW 14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 484 mm, B = 500 mm Nonreflecting lens, Visualizer	4002/6141 lx ¹	RLLQ 48/2 R	112 918 000 - 005 472 79
14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 484 mm, B = 500 mm Add-on lens 8 dpt, Visualizer	4002/6141 lx ¹	RLLQ 48/2 R	112 918 003 - 005 090 17
14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 384 mm, B = 400 mm	4002/6141 lx ¹	RLLQ 48 R	112 919 000 - 004 917 86
NEW 14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 384 mm, B = 400 mm Nonreflecting lens	4002/6141 lx ¹	RLLQ 48 R	112 919 000 - 005 489 59
14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 384 mm, B = 400 mm Add-on lens 8 dpt	4002/6141 lx ¹	RLLQ 48 R	112 919 001 - 004 991 59
14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 384 mm, B = 400 mm Visualizer	4002/6141 lx ¹	RLLQ 48/2 R	112 919 002 - 004 991 64
NEW 14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 384 mm, B = 400 mm Nonreflecting lens, Visualizer	4002/6141 lx ¹	RLLQ 48/2 R	112 919 000 - 005 489 62
14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 384 mm, B = 400 mm Add-on lens 8 dpt, Visualizer	4002/6141 lx ¹	RLLQ 48/2 R	112 919 003 - 004 991 70

ESD DESIGN

CONSUMPTION	OPERATING DEVICE	CONNECTED LOAD	SPECIAL FEATURE	E_m/E_{max}^*	MODEL	ORDER NUMBER
NEW 14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 484 mm, B = 500 mm Visualizer	3089/4636 lx ¹	RLLQ 48/2 AR	113 015 000 - 005 61 675
NEW 14 W	Mains plug	100 – 240 V, 50/60 Hz	A = 384 mm, B = 400 mm Visualizer	3089/4636 lx ¹	RLLQ 48/2 AR	113 016 000 - 005 616 85

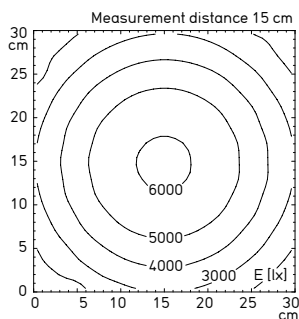
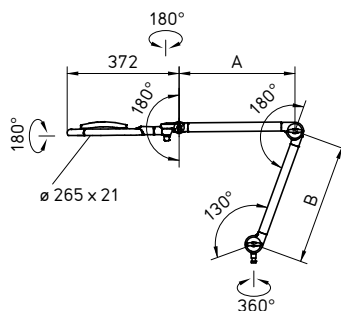
* E_m = Medium illuminance; E_{max} = Maximum illuminance; ¹ Measuring range 30 cm x 30 cm/Measuring distance 15 cm



TEVISIO in ESD design

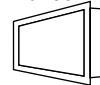
Features at a glance

- 48 x LED
- Color temperature neutral white 4,000 K
- Light control via reflector
- Glass lens Ø 160 mm with 3.5 diopters or 3.5 + 8 diopters (with a bonded, add-on lens)
- Housing made of colorless anodized or black-painted aluminum and black high-performance plastic satined polyamide screen
- Spring-balanced arm with 3D head joint
- Touch panel integrated in the luminaire head for On/Off, dimming and, where applicable, Visualizer function (segment switching)
- System of protection IP 20; class of protection II
- Supplied with 3.5 m mains lead and with mains plug type CEE 7/16 (Euro plug), BS 1363 and NEMA 1-15P
- Various fastenings and add-on magnifier (3.5 diopters) as accessories

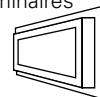


Illuminance 14 W
based on the example without
ESD design

Integrated
machine
luminaires



Surface-
mounted
luminaires



Tube
luminaires



Arm-mounted
luminaires



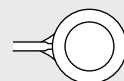
Flexible-tube
luminaires



Pivoting-head
luminaires



Magnifier
luminaires



RING LED

AESTHETICS FOR THE WORKPLACE.



When miniature parts need to be inspected or precisely processed in mechanical engineering, research and development, attention to detail is vital. The RING LED has the perfect lens and the optimum light to meet these requirements: With six LEDs and a lens developed by Waldmann that compactly concentrates the light on the inspection area.

- Extremely efficient thanks to 4 x more light per Watt than conventional fluorescent lamps
- Distortion-free magnification right to the edge
- Intuitive, convenient operation on the luminaire head
- Low space requirements.
- Insensitive to vibrations
- Closed luminaire head as protection against dirt and damage
- Easy and fast to clean
- Maintenance-free: LED life of up to 50,000 hours and more

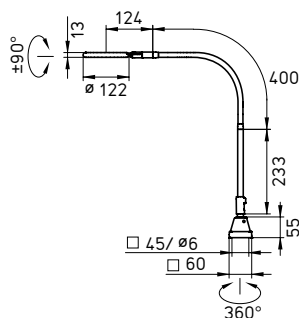
•••
LED



reddot design award
honourable mention 2009

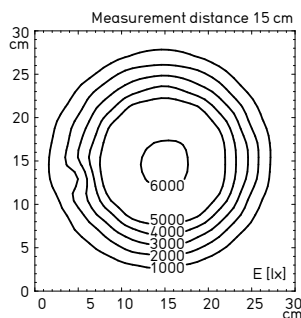


efficient *light*



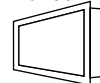
Features at a glance

- 6 x HIGH POWER LED
- Color temperature neutral white 4,000 K
- Light control by integrated optics
- Hard-coated plastic lens Ø 72 mm with 5.3 diopters
- Housing made of anodized aluminum and black plastic acrylic screen
- Head joint for individual adjustments
- Metal flexible tube for at least 20,000 movements
- With sensor switch in the luminaire head
- System of protection IP20; class of protection II
- Supplied with 2 m mains lead and with mains plug type CEE 7/16 (Euro plug), BS 1363 and NEMA 1-15P
- Various fastenings as accessories

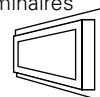


Illuminance 6 W

Integrated machine luminaires



Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



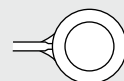
Flexible-tube luminaires



Pivoting-head luminaires



Magnifier luminaires



CONSUMPTION	OPERATING DEVICE	CONNECTED LOAD	SPECIAL FEATURE	E_m/E_{max}^*	MODEL	ORDER NO.
6 W	Mains plug	100 – 240 V, 50/60 Hz	–	2281/6190 lx ¹	RLLQ 6	112 885 000 - 000 249 59

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 30 cm x 30 cm/Measuring distance 15 cm

SNL/SNLE

PRECISION RIGHT DOWN TO THE VERY LAST DETAIL.

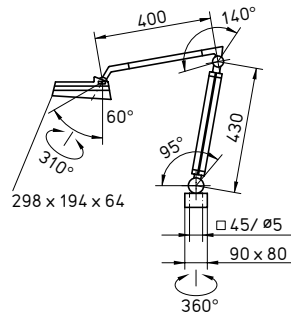


Where there is light, there is also shadow as long as you need an incidence of light with significant shadow to recognize certain details when using the SNL or SNLE. If, however, you need completely shadow-free light for assembly and inspection tasks, that's no problem either: This special magnifier luminaire range changes its lighting character with the flick of a switch.

- Extremely high illuminance
- Change of the lighting character by different settings of the illuminant for shadow-free light or light with shadow to highlight 3D structures
- Wide-range field of inspection
- Flexible luminaire head that is conveniently adjustable in all directions
- Low energy consumption
- Also available in ESD design

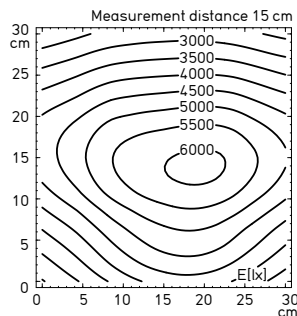


SNL in ESD design



Features at a glance

- TC-S or TC-SEL compact fluorescent lamps
- Color temperature neutral white 4,000 K
- Glare-free thanks to matt screen
- Pivoting glass lens 175 x 105 mm with 3 diopters
- Light gray or black plastic housing, plastic screen
- 3D ball joint head for individual settings
- Spring-balanced arm
- Several switch settings, switch in the luminaire head
- System of protection IP20; class of protection I
- Supplied with 3 m mains lead with plug type CEE 7/7 (shock-proof plug)
- Various fastenings and add-on magnifiers (4 diopters) as accessories



Illuminance 3 x 9 W
based on the example without
ESD design

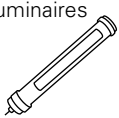
Integrated
machine
luminaires



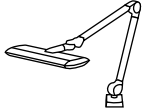
Surface-
mounted
luminaires



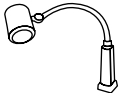
Tube
luminaires



Arm-mounted
luminaires



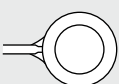
Flexible-tube
luminaires



Pivoting-head
luminaires



Magnifier
luminaires



FITTED WITH	OPERATING DEVICE	CONNECTED LOAD	SPECIAL FEATURE	E_m/E_{max}^*	MODEL	ORDER NUMBER
3 x 9 WTC-S	Conventional ballast integrated	230 V, 50 Hz	—	4252/6096 lx ¹	SNL 319	111 961 000 - 000 651 01
3 x 9 WTC-SEL	Integrated electronic ballast	100/120/230 V, 50/60 Hz	—	4252/6096 lx ¹	SNLE 319	111 971 000 - 000 719 54

ESD DESIGN						
FITTED WITH	OPERATING DEVICE	CONNECTED LOAD	SPECIAL FEATURE	E_m/E_{max}^*	MODEL	ORDER NUMBER
3 x 9 WTC-S	Conventional ballast integrated	230 V, 50 Hz	—	3326/4914 lx ¹	SNL 319 A	112 128 000 - 000 835 24

* E_m = Medium illuminance; E_{max} = Maximum illuminance; ¹ Measuring range 30 cm x 30 cm/Measuring distance 15 cm

RLL

THE MAGNIFIER LUMINAIRE FOR EXPLORERS.

Trust is good – Control is better. And if you don't want to misplace your trust, the RLL is the right magnifier luminaire for you. Quite simply because it provides distortion-free magnification of objects with minimal dimensions and clearly illuminates them for visual inspection.

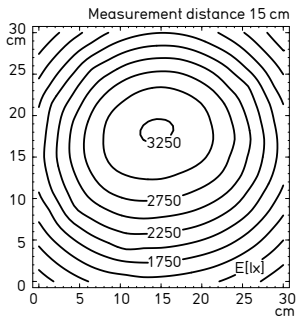
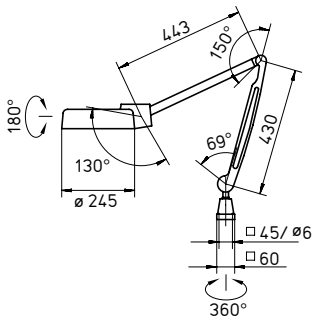
- Shadow-free illumination
- Bright and efficient
- With distortion-free lens
- Easy to reach switch in the luminaire head





Features at a glance

- T29-R fluorescent lamp
- Color temperature neutral white 4,300 K
- Glare-free thanks to white opal screen
- Glass lens Ø 120 mm with 4 or 4 + 8 diopters (stuck on add-on lens)
- Light gray plastic housing, polycarbonate screen
- Spring-balanced arm
- With switch in the luminaire head
- System of protection IP20; class of protection II
- Supplied with 3 m mains lead with plug type CEE 7/16 (Euro plug)
- Various fastenings and add-on magnifier (4 diopters) as accessories



FITTED WITH	OPERATING DEVICE	CONNECTED LOAD	SPECIAL FEATURE	E _m / E _{max} *	MODEL	ORDER NO.
1 x 22 W T29-R	Conventional ballast integr.	230 V, 50 Hz	4 diopter lens	2162/3255 lx ¹	RLL 122 T	111 851 000 - 000 648 69
1 x 22 W T29-R	Conventional ballast integr.	230 V, 50 Hz	4 diopter lens + 8 diopter add-on lens	2162/3255 lx ¹	RLL 122 T	111 851 001 - 000 648 70

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring range 30 cm x 30 cm / Measuring distance 15 cm

Integrated machine luminaires



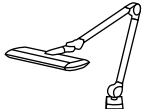
Surface-mounted luminaires



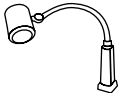
Tube luminaires



Arm-mounted luminaires



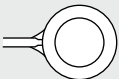
Flexible-tube luminaires

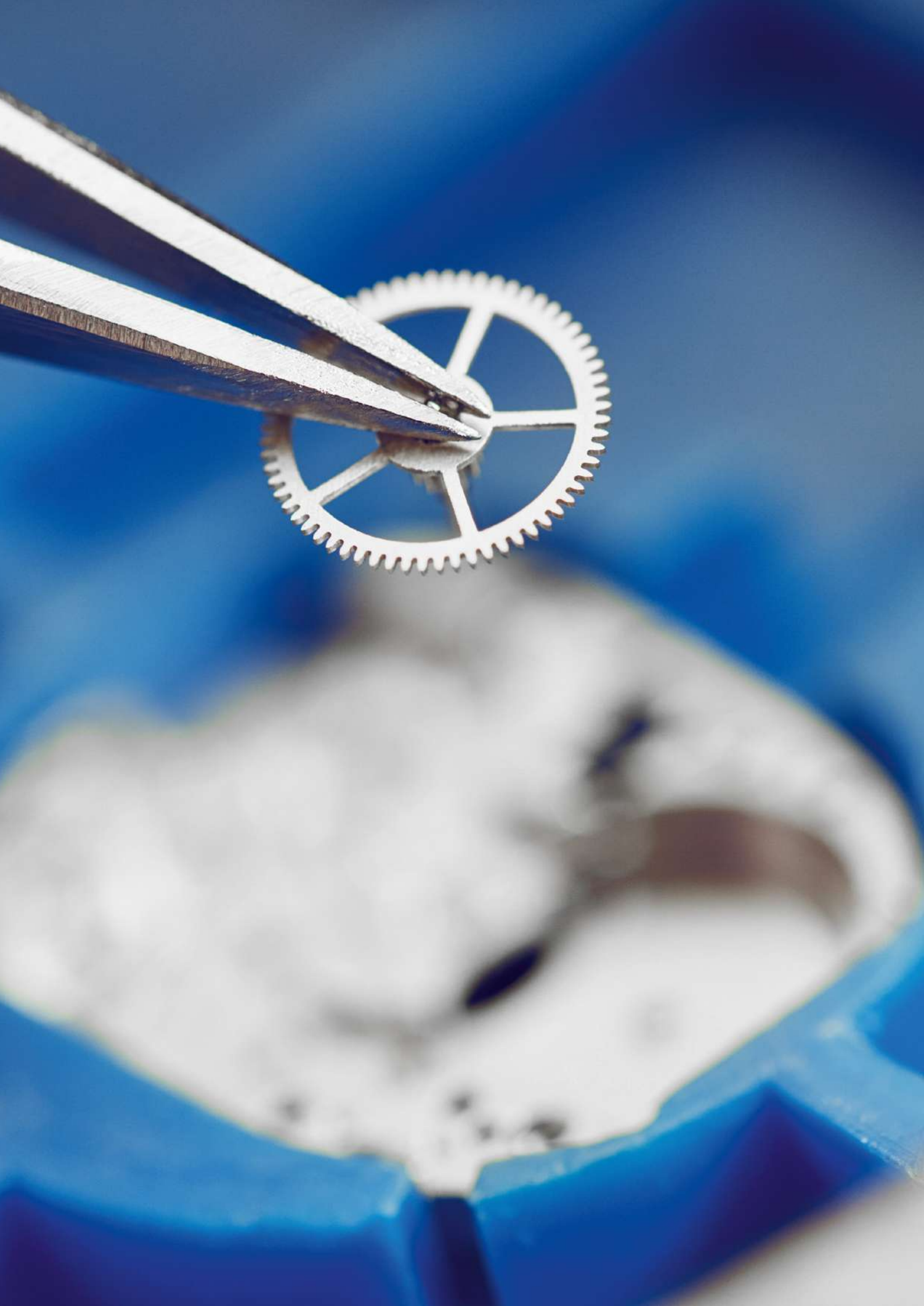


Pivoting-head luminaires



Magnifier luminaires







THE LIGHT OF PRODUCTIVITY.

Wherever you may be, and whatever you may produce. Ever since 1928, Waldmann has been helping people to achieve cost targets, to standardise purchased parts and to eliminate quality problems. Do you wish to integrate components as simply as possible, electrically, in relation to systems technology, as well as mechanically? Do you insist on ultimate robustness, quality and technically correct use of components? Do your employees wish to have optimum conditions of visibility to enable them to work to a genuinely zero-defect and ergonomic standard?

Waldmann is the one stop solution. For a planet on which Swabian light never goes out.

TEVISIO. THE CHAMPION.



High light quality

Excellent colour rendering values and absolutely homogeneous light distribution. Optimum support in the evaluation and verification of colour and surface qualities. Perfectly opacified cover, no adverse reflections.

Longevity

Perfect ergonomics and optimum sustainability. Your stable arm, the sealed joints, the robust aluminium and the high-performance plastic used make TEVISIO a reliable partner for the longterm.

Lens changes

Simple to replace with 6 dpt. Plastic lens for a higher magnification factor. Even greater ability to identify detail with the same perfect quality of depiction and a perfectly illuminated field of view – the new TEVISIO is now even more versatile.

As the Number 1 in terms of mobility and viewing quality, TEVISIO is indispensable wherever demands on viewing are highest. Now Waldmann is introducing a new generation of our best magnifying luminaire for the electronics, metal-working or watch-making sector. What endures is the innovative arm technology and the perfect lighting concept. New features include an enhanced level of colour rendering and even more homogeneous light distribution. Another completely revolutionary aspect is the tool-free removal of the lens for cleaning, replacement or exchange. The optional new 6 dpt. plastic lens makes it possible to achieve a higher magnification factor whenever you so desire. This enables you to see your world through new and now even better eyes.

NOW WITH
EXCHANGE
TECHNOLOGY.



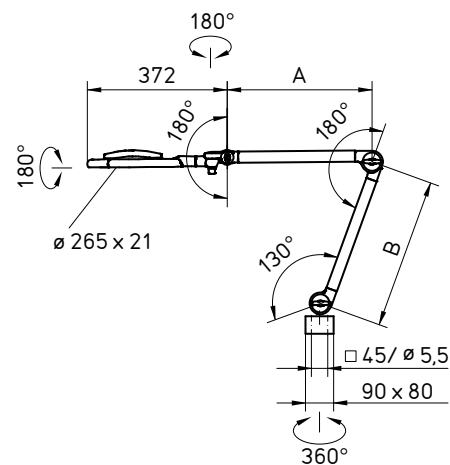
The TEVISIO magnifier luminaire delivers delight right across the range. Either in terms of fast and problem-free lens changes, thanks to the flexible lens ring with bayonet connection, or the perfectly conceived technical lighting concept or

the Visualizer function that suddenly also makes unseen errors visible. One thing always remains clear. The quality of this product stems from a love of detail. And with the new TEVISIO, cleaning, replacement or exchange suddenly become child's play.





TEVISIO.
SEE THE
WORLD WITH
NEW EYES.



- Lamp:

Power consumption:

Connected load:

Colour temperature:

Colour rendering:

Glare reduction:

Magnification:

Operation:

Materials:

Arm:

Degree of protection:

Protection class:

Connection:

Accessories:
- LED

approx. 14 W

100 – 240 V; 50/60 Hz

neutral white 4000 K

Ra > 90; R9 > 70

satinised plastic screen

glass or plastic lens Ø 160 mm with 3.5 dpt.
or 3.5 + 8 dpt. (integrated additional lens)

film button in luminaire head for On / Off,
dimming and visualizer function (segment switching)

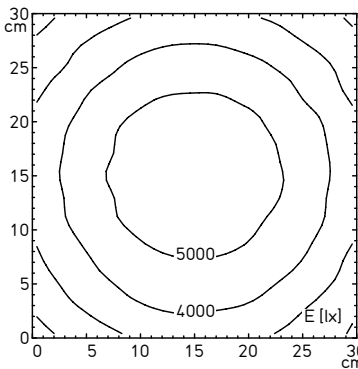
colourless anodised aluminium with black special-purpose plastic
spring-relieved with 2D or 3D head joint

IP20

II

delivery with approx. 3 m connection lead and mains power
connector with connector type CEE 7/16 (Euro connector), BS1363
and NEMA 1-15/P

various fasteners, additional magnifier, 3.5 dpt. and 6 dpt. plastic lens



d = 15 cm,
E_{max} 5537 lx;
E_m 4099 lx

Dimensions	Special features	Order number
TVD 750/940 DM		
A = 484 mm, B = 500 mm	Glass lens, 3D head joint	113714000-00800676
A = 484 mm, B = 500 mm	non-reflective glass lens, 3D head joint	113714000-00800677
A = 484 mm, B = 500 mm	Glass lens, additional lens 8 dpt., 3D head joint	113714000-00800678
A = 384 mm, B = 400 mm	Glass lens, 3D head joint	113713000-00800659
A = 384 mm, B = 400 mm	non-reflective glass lens, 3D head joint	113713000-00800660
A = 384 mm, B = 400 mm	Glass lens, additional lens 8 dpt., 3D head joint	113713000-00800661
A = 384 mm, B = 400 mm	Plastic lens, 2D head joint	113712000-00800638
A = 384 mm, B = 400 mm	Plastic lens, additional lens 8 dpt., 2D head joint	113712000-00800639
Accessories		
Ø 160 mm	Plastic lens, 6 dpt.	190218019-00802994

SEE THE WORLD WITH NEW EYES

TEVISIO

Overview of variants



Assembly Workplace



Watchmaker Workplace



Testing Workplace












Dental and Laboratory Workstation




Goldsmith Workplace



Restorer Workplace

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 13 W	Electronic plug-in ballast 100-240 V; AC; 50/60 HZ	A = 384 mm, B = 400 mm 2D head joint Plastic lens	750 lm	 TVD 750/940/DM 00800638
LED 13 W	Electronic plug-in ballast 100-240 V; AC; 50/60 HZ	A = 384 mm, B = 400 mm 2D head joint Plastic lens Additional lens 8 dioptries	750 lm	 TVD 750/940/DM 00800639
LED 13 W	Electronic plug-in ballast 100-240 V; AC; 50/60 HZ	A = 384 mm, B = 400 mm 3D head joint Glass lens	750 lm	 TVD 750/940/DM 00800659
LED 13 W	Electronic plug-in ballast 100-240 V; AC; 50/60 HZ	A = 384 mm, B = 400 mm 3D head joint Antireflective glass lens	750 lm	 TVD 750/940/DM 00800660
LED 13 W	Electronic plug-in ballast 100-240 V; AC; 50/60 HZ	A = 384 mm, B = 400 mm 3D head joint Glass lens Additional lens 8 dioptries	750 lm	 TVD 750/940/DM 00800661
LED 13 W	Electronic plug-in ballast 100-240 V; AC; 50/60 HZ	A = 484 mm, B = 500 mm 3D head joint Glass lens	750 lm	 TVD 750/940/DM 00800676
LED 13 W	Electronic plug-in ballast 100-240 V; AC; 50/60 HZ	A = 484 mm, B = 500 mm 3D head joint Antireflective glass lens	750 lm	 TVD 750/940/DM 00800677
LED 13 W	Electronic plug-in ballast 100-240 V; AC; 50/60 HZ	A = 484 mm, B = 500 mm 3D head joint Glass lens Additional lens 8 dioptries	750 lm	 TVD 750/940/DM 00800678
LED 13 W	Electronic plug-in ballast 100-240 V; AC; 50/60 HZ	3D head joint Antireflective glass lens 5000 K	750 lm	 TVD 750/950/DM 00800679

LED 13 W	Electronic plug-in ballast 100-240 V; AC; 50/60 HZ	3D head joint Antireflective glass lens 6500 K	750 lm	 TVD 750/965/DM 00800680
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Electronics Workplace

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 16 W	Electronic transformer 100-240 V; AC; 50/60 HZ	A = 384 mm, B = 400 mm ESD version Light characteristic can be adjusted with a 3-way switch	950 lm	RLLQ 48/2 AF 00766281
LED 16 W	Electronic transformer 100-240 V; AC; 50/60 HZ	A = 484 mm, B = 500 mm ESD version Long arms Light characteristic can be adjusted with a 3-way switch	950 lm	RLLQ 48/2 AF 00766273

Accessoires



Table clamp

Colour	Special feature	Order No.
black	0 - 45 mm	190008019 - 00014923
black	0 - 65 mm	190007019 - 00014904
black	65 - 135 mm	190033019 - 00014950
black	95 - 165 mm	190035019 - 00014956
black	0 - 65 mm, ESD design	190007059 - 00058094



Wall bracket

Colour	Special feature	Order No.
black	-	226108019 - 00610754



Plastic lens

Dimensions	Dioptries	Order No.
ø 160 mm	6 (magnification factor = 2.5 or 250%)	190218019 - 00802994



MLD – MAGNIFIED VIEWING QUALITY

Thanks to the combination of optimum near vision and high light quality, the MLD magnifying luminaire can be used wherever the human eye comes up against its limits. A field of view perfectly that is adapted to suit your viewing distance provides distortion-free visibility and the ability to work ergonomically.

Thanks to the smooth-running linkage technology and the infinitely variable dimmer function, the MLD magnifying luminaire is an indispensable tool in many industrial applications where the human eye is required to perform challenging tasks.



MLD compact

- LED technology
- Colour temperature neutral white 5000 K
- Colour rendering Ra > 80
- Glare-free thanks to satinised screen
- Hard-coated plastic lens Ø 160 mm with 3.5 dioptries
- Housing made of colourless anodised aluminium and grey plastic
- Polycarbonate plastic screen
- Ergonomic linkage technology with 2D head joint
- Membrane key integrated into the luminaire head for On/Off and dimming
- Degree of protection IP20; protection class II
- Supplied with approx. 3 m connecting cable and plug-in power supply with plug type CEE 7/16 (Europlug), BS 1363 and NEMA 1-15P
- Various fasteners as accessories

Fitted with Power	Operating device Connected load	Dimensions Special feature	E_m E_{max}^*	Model Order no.
LED 12 W	plug-in power supply 100 – 240 V, 50/60 Hz	– dimmable	5 176 lx ¹ 7 457 lx ¹	MLD 750/850/D 113 525 000 - 008 073 41

* E_m = medium illuminance; E_{max} = maximum illuminance; ¹ Measuring field 30 x 30 cm/Measuring distance 15 cm

MAGNIFIED VIEWING QUALITY

MLD

Overview of variants



Assembly Workplace



Testing Workplace



Laboratory and Dental Workplace



Goldsmith-Workplace

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 11 W	Electronic plug-in ballast 100-240 V; AC; 50/60 HZ		800 lm	MLD 750/850/D 00807341

Accessoires



Table clamp

Colour	Special feature	Order No.
black	0 - 45 mm	190008019 - 00014923
black	0 - 65 mm	190007019 - 00014904
black	65 - 135 mm	190033019 - 00014950
black	95 - 165 mm	190035019 - 00014956



Wall bracket

Colour	Special feature	Order No.
black	-	226108019 - 00610754

RING LED - Exact light for exact work



RING LED is the solution for tasks involving miniature parts. When miniature parts need to be inspected or precisely processed at an industrial workplace, attention to detail is vital.

RING LED has the perfect lens – and with its 63 LEDs also the optimum light to meet these requirements. Additional advantage: The luminaire also has an attractive appearance.

- Maintenance-free LED technology
- Low-distortion magnification right to the edge
- Continuous dimming
- Hard-coated plastic lens
- Exactly adjustable flexible tube
- Low space requirements

AS SHORT AND TECHNICAL AS POSSIBLE

- LED technology
- Colour temperature neutral white 4 000 K
- Colour rendering Ra > 90
- Glare-free thanks to satined screen
- Hard-coated plastic lens ø 72 mm with 6 dioptries
- Housing made of colourless anodised aluminium and black plastic
- PMMA screen

Diopter	Magnification
3,0	1,75x or 175%
3,5	1,88x or 188%
6,0	2,50x or 250%
8,0	3,00x or 300%


Useful advice:
To achieve maximum, distortion-free magnification, you should hold the magnifier at a distance of about 25 cm from your eyes.

- Flexible metal tube for at least 20 000 motions
- Touch key integrated into luminaire head for On / Off and dimming
- Degree of protection IP20; protection class I
- Supplied with approx. 2 m connecting cable and plug-in power with plug type CEE 7 / 16 (Euro plug), BS 1363 and NEMA 1-15P
- Various fasteners as accessories

Overview of variants



Laboratory and Dental Workplace

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 6 W	Electronic plug-in transformer 100-240 V; AC; 50/60 HZ	Continuously dimmable	420 lm	 RLLQ 63 R 00618830

Accessories



Table clamp

Colour	Special feature	Order No.
black	0 - 45 mm	190008019 - 00014923
black	0 - 65 mm	190007019 - 00014904
black	65 - 135 mm	190033019 - 00014950
black	95 - 165 mm	190035019 - 00014956



Wall angle bracket

Colour	Special feature	Order No.
black	-	300213018 - 00025178
white	-	300213038 - 00070291



Wall bracket

Colour	Special feature	Order No.
black	-	D13148000 - 00075404



190037



190036

Table base

Colour	Special feature	Order No.
light grey	-	190037159 - 00014993
black	-	190036039 - 00014959
light grey	-	190036119 - 00065399

SNLQ - Light & shadow at the flick of a switch



SNLQ brings literally "light and shadow": It allows you to use light incidence with significant shadow to recognise certain details. However, the SNLQ also provides completely shadow-free light – for example for assembly and inspection tasks. This special magnifier luminaire changes its lighting character simply with the flick of a switch.

AS SHORT AND TECHNICAL AS POSSIBLE

- LED technology
- Colour temperature neutral white 4000 K
- Colour rendering Ra > 80
- Glare-free thanks to white opal screen
- Swivelling glass lens 175 x 105 mm with 3 dioptries
- Housing made of light-grey or black plastic
- PC screen
- Spring-loaded arm
- Switch in the luminaire head for On/Off and segment switching
- Degree of protection IP20; protection class I

Dioptr	Magnification
3,0	1,75x or 175%
3,5	1,88x or 188%
6,0	2,50x or 250%
8,0	3,00x or 300%

Useful advice:

To achieve maximum, distortion-free magnification, you should hold the magnifier at a distance of about 25 cm from your eyes.

- Supplied with approx. 3 m connecting cable and plug, type CEE 7/7 (grounded plug)
- Various fasteners as accessories

Overview of variants



Assembly Workplace



Watchmaker workplace




Testing Workplace



Laboratory and Dental Workplace




Restorer Workplace

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 13 W	Electronic transformer 100/120/220-240 V; AC; 50/60 HZ		970 lm	 SNLQ 54/2 00695501



Electronics Workplace

Fitted with Power consumption	Operating device Connected load	Dimensions Special feature	Luminous flux	Model Order No.
LED 13 W	Electronic transformer 100/120/220-240 V; AC; 50/60 HZ		680 lm	 SNLQ 54/2 A 00695507

Accessories



Table clamp

Colour	Special feature	Order No.
black	0 - 45 mm	190008019 - 00014923
black	0 - 65 mm	190007019 - 00014904
black	65 - 135 mm	190033019 - 00014950
black	95 - 165 mm	190035019 - 00014956



Wall bracket

Colour	Special feature	Order No.
black	-	226108019 - 00610754



Wall bracket

Colour	Special feature	Order No.
black	-	D13148000 - 00075404

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Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: wne@nt-rt.ru || сайт: <https://waldmann.nt-rt.ru/>