

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			120 - 123	Integrated machine luminaires
RING LED			124 - 125	Surface-mounted luminaires
SNL/SNLE			126 - 127	Tube luminaires
RLL			128 - 129	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

LED





Integrated machine luminaires



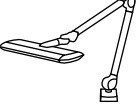
Surface-mounted luminaires



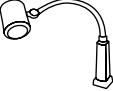
Tube luminaires



Arm-mounted luminaires



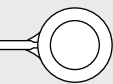
Flexible-tube luminaires



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

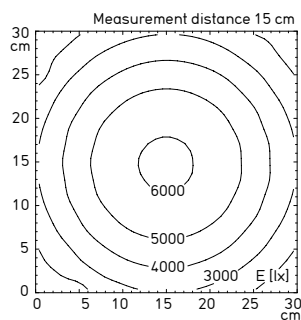
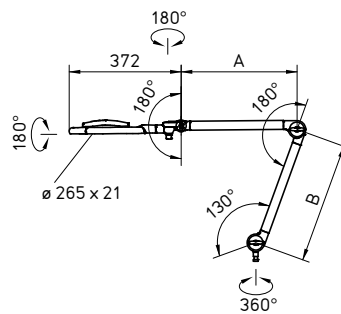


pCon
PLANNER
efficient light

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



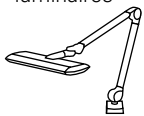
Surface-
mounted
luminaires



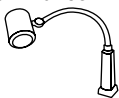
Tube
luminaires



Arm-mounted
luminaires



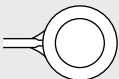
Flexible-tube
luminaires



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

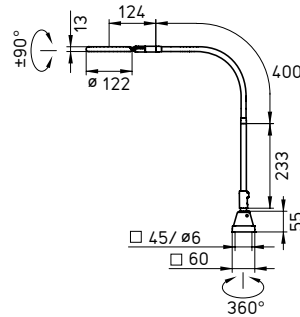
•••
LED



reddot design award
honourable mention 2009

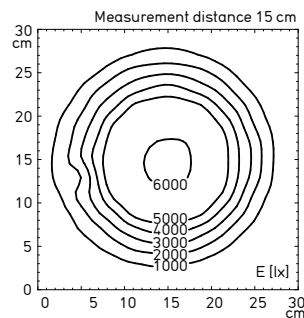


efficient *light*



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



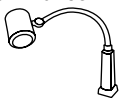
Tube luminaires



Arm-mounted luminaires



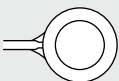
Flexible-tube luminaires



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

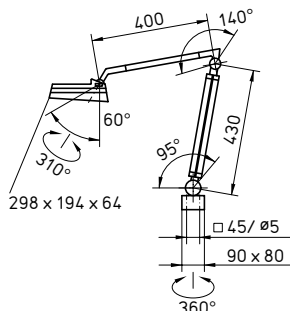
SNL/SNLE

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.

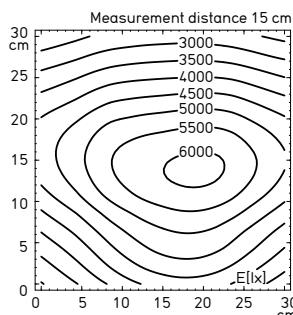
- Extremely high illuminance
- Change of the lighting character by different settings of the illuminant for shadow-free light or light with shadow to highlight 3D structures
- Wide-range field of inspection
- Flexible luminaire head that is conveniently adjustable in all directions
- Low energy consumption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



SNL in ESD design

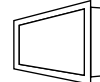
Features at a glance

- 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

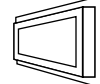


Illuminance 3 x 9 W based on the example without ESD design

Integrated machine luminaires



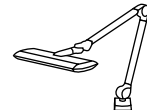
Surface-mounted luminaires



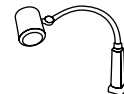
Tube luminaires



Arm-mounted luminaires



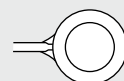
Flexible-tube luminaires



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

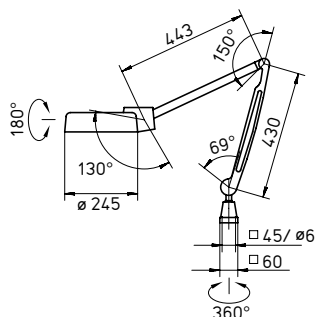
RLL

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.

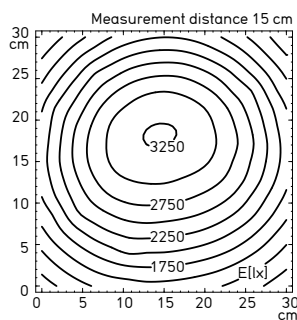
- Shadow-free illumination
- Bright and efficient
- With distortion-free lens
- Easy to reach switch in the luminaire head





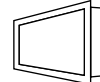
Features at a glance

- 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

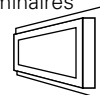


Illuminance 1 x 22 W

Integrated machine luminaires



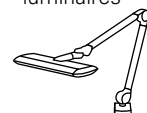
Surface-mounted luminaires



Tube luminaires



Arm-mounted luminaires



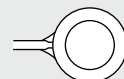
Flexible-tube luminaires



Pivoting-head luminaires



Magnifier luminaires



FITTED WITH	OPERATING DEVICE	CONNECTED LOAD	SPECIAL FEATURE	E_m / E_{max}^*	MODEL	ORDER NO.
1 x 22 WT29-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 WT29-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