

00



EYEGASSES

00 - 2

LAMPS

00 - 13

Horotec eyeglasses.



MSA	No.	Magnification	Ø lens	Kg
00.031-1	1	10.0x	25 mm	0.024
00.031-1.5	1.5	6.5x	25 mm	0.024
00.031-2	2	5.0x	25 mm	0.024
00.031-2.5	2.5	4.0x	25 mm	0.024
00.031-3	3	3.5x	25 mm	0.024
00.031-3.5	3.5	3.0x	25 mm	0.024
00.031-4	4	2.5x	25 mm	0.024

Aluminium eyeglass, classic shape with screwed aluminium bezel and removable lens. Nice finish, very light and sturdy. Red anodised.

On request and from 50 pieces (assorted magnifications), these eyeglasses are available with different colours of body and bezel and customized.



MSA	No.	Magnification	Ø lens	Kg
00.032-1	1	10.0x	25 mm	0.020
00.032-1.5	1.5	6.5x	25 mm	0.020
00.032-2	2	5.0x	25 mm	0.020
00.032-2.5	2.5	4.0x	25 mm	0.020
00.032-3	3	3.5x	25 mm	0.020
00.032-3.5	3.5	3.0x	25 mm	0.020
00.032-4	4	2.5x	25 mm	0.020

Black plastic eyeglass, classic shape with screwed aluminium bezel and removable lens. Nice finish, very light and sturdy.

On request and from 50 pieces (assorted magnifications), these eyeglasses are available with different colours of bezel and customized.



MSA	No.	Magnification	Ø	Kg
00.030-L1	1	10.0x	25 mm	0.005
00.030-L1.5	1.5	6.5x	25 mm	0.005
00.030-L2	2	5.0x	25 mm	0.005
00.030-L2.5	2.5	4.0x	25 mm	0.005
00.030-L3	3	3.5x	25 mm	0.005
00.030-L3.5	3.5	3.0x	25 mm	0.005
00.030-L4	4	2.5x	25 mm	0.005

Spare lens for MSA00.031-x and MSA00.032-x.



MSA	No.	Magnification	Ø lens	Kg
00.025-1	1	10.5x	22.50 mm	0.016
00.025-1.5	1.5	7.75x	22.50 mm	0.016
00.025-2	2	5.75x	22.50 mm	0.016
00.025-2.5	2.5	5.0x	22.50 mm	0.016
00.025-3	3	4.25x	22.50 mm	0.016
00.025-3.5	3.5	3.75x	22.50 mm	0.016
00.025-4	4	3.5x	22.50 mm	0.016

Black plastic eyeglass, classic shape with screwed red aluminium bezel and removable lens. Nice finish, very light and sturdy.



MSA	No.	Magnification	Ø	Kg
00.002-L1	1	10.50x	22.50 mm	0.005
00.002-L1.5	1.5	7.75x	22.50 mm	0.005
00.002-L2	2	5.75x	22.50 mm	0.005
00.002-L2.5	2.5	5.00x	22.50 mm	0.005
00.002-L3	3	4.25x	22.50 mm	0.005
00.002-L3.5	3.5	3.75x	22.50 mm	0.005
00.002-L4	4	3.50x	22.50 mm	0.005

Spare lens for MSA00.025-x.

Standard eyeglasses.



MSA	No.	Magnification	Ø lens	Kg
00.001-1	1	10.0x	25 mm	0.012
00.001-1.5	1.5	6.5x	25 mm	0.012
00.001-2	2	5.0x	25 mm	0.012
00.001-2.5	2.5	4.0x	25 mm	0.012
00.001-3	3	3.5x	25 mm	0.012
00.001-3.5	3.5	3.0x	25 mm	0.012
00.001-4	4	2.5x	25 mm	0.012

Black plastic eyeglass ASCO, classic shape with screwed aluminium bezel and blued removable lens.

Nice finish, polished black exterior and matt interior.



MSA	No.	Magnification	Ø	Kg
00.030-L1	1	10.0x	25 mm	0.005
00.030-L1.5	1.5	6.5x	25 mm	0.005
00.030-L2	2	5.0x	25 mm	0.005
00.030-L2.5	2.5	4.0x	25 mm	0.005
00.030-L3	3	3.5x	25 mm	0.005
00.030-L3.5	3.5	3.0x	25 mm	0.005
00.030-L4	4	2.5x	25 mm	0.005

Spare lens for MSA00.001-x.



MSA	No.	Magnification	Ø lens	Kg
00.002-1	1	10.50x	22.50 mm	0.015
00.002-1.5	1.5	7.75x	22.50 mm	0.015
00.002-2	2	5.75x	22.50 mm	0.015
00.002-2.5	2.5	5.00x	22.50 mm	0.015
00.002-3	3	4.25x	22.50 mm	0.015
00.002-3.5	3.5	3.75x	22.50 mm	0.015
00.002-4	4	3.50x	22.50 mm	0.015

Black plastic eyeglass, classic shape with screwed bezel and removable lens. Nice finish and lightweight.



MSA	No.	Magnification	Ø	Kg
00.002-L1	1	10.50x	22.50 mm	0.005
00.002-L1.5	1.5	7.75x	22.50 mm	0.005
00.002-L2	2	5.75x	22.50 mm	0.005
00.002-L2.5	2.5	5.00x	22.50 mm	0.005
00.002-L3	3	4.25x	22.50 mm	0.005
00.002-L3.5	3.5	3.75x	22.50 mm	0.005
00.002-L4	4	3.50x	22.50 mm	0.005

Spare lens for MSA00.002-x.

EYEGASSES



MSA	Ring	No.	Magnification	Ø lens	Kg
00.027-1	Green	1	10.0x	25 mm	0.021
00.027-1.5	Blue	1.5	6.5x	25 mm	0.021
00.027-2	Yellow	2	5.0x	25 mm	0.021
00.027-2.5	Copper	2.5	4.0x	25 mm	0.021
00.027-3	Violet	3	3.5x	25 mm	0.021
00.027-3.5	Black	3.5	3.0x	25 mm	0.021
00.027-4	Aluminium	4	2.5x	25 mm	0.021

Soft rubber eyeglass, classic shape with screwed aluminium bezel and removable lens.



MSA	No.	Magnification	Ø lens	Kg
00.009-1.5	1.5	7.7x	23.50 mm	0.012
00.009-2	2	6.0x	23.50 mm	0.012
00.009-2.5	2.5	5.0x	23.50 mm	0.012
00.009-3	3	4.4x	23.50 mm	0.012
00.009-3.5	3.5	3.8x	23.50 mm	0.012
00.009-4	4	3.5x	23.50 mm	0.012

Black plastic eyeglass with classic shape and nice finish.



MSA	No.	Magnification	Ø lens	Kg
00.008-1	1	10.0x	30 mm	0.015
00.008-1.5	1.5	7.0x	30 mm	0.015
00.008-2	2	5.0x	30 mm	0.015
00.008-2.5	2.5	4.0x	30 mm	0.015

Sturdy black plastic eyeglass, with side hole. Large vision field.

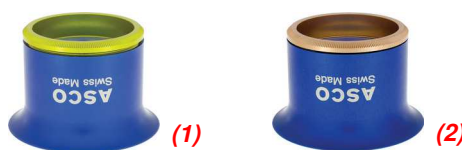
Control eyeglasses.



MSA		No.	Magnification	Ø lens	Kg
00.026-2	(1)	2	5x	40 mm	0.072
00.026-2.5	(2)	2.5	4x	40 mm	0.068

Aluminium ASCO eyeglass for engraver with screwed aluminium bezel and removable bluish lens. Blue anodised.

(1) yellow coloured bezel
(2) copper coloured bezel





MSA	Magnification	Ø lenses	Kg
00.023-08X	8x	22 mm	0.117

Oblique achromatic measuring eyeglass type F+C.
 - 3 corrected lenses
 - 1 scale of 15 mm divided in 0.1 mm.

Spare part :

MSA	Item	Kg
00.023-R	Reticle	0.005



MSA	Magnification	Ø lenses	Kg
00.003-10X	10x	25 mm	0.015
00.003-14X	14x	25 mm	0.015

Black plastic aplanatic control eyeglass ASCO with 2 removable convex lenses and screwed aluminium ring.
 Nice finish, polished black exterior and matt interior.



MSA	Magnification	Ø lenses	Kg
00.004-10X	10x	14 mm	0.019
00.004-12X	12x	14 mm	0.019
00.004-16X	16x	14 mm	0.019
00.004-20X	20x	14 mm	0.019

Black plastic aplanatic control eyeglass ASCO with 2 removable blued convex lenses (best possible optical correction for limited distortion or colour blurring) and screwed aluminium bezel.
 Nice finish, polished black exterior and matt interior.



MSA	Magnification	Ø lenses	Kg
00.006-10X	10x	14 mm	0.015
00.006-12X	12x	14 mm	0.015
00.006-16X	16x	14 mm	0.015
00.006-20X	20x	14 mm	0.015
00.006-25X	25x	12 mm	0.015

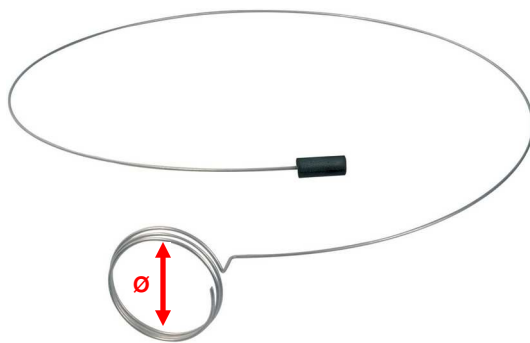
Black plastic achromatic control eyeglass ASCO with 3 removable blued highly luminous lenses providing wide range of vision. Screwed aluminium bezel.
 Nice finish, polished black exterior and matt interior.



MSA	Magnification	Ø lenses	Kg
00.010-12	12x	16.00 - 23.50 mm	0.017
00.010-15	15x	16.00 - 23.50 mm	0.017

Black plastic control eyeglass extra-large with 2 removable lenses and a screwed bezel.
Nice finish and lightweight.

Eyeglass holders.



MSA	Ø	Kg
00.014	23 mm	0.005
00.007	30 mm	0.008

Stainless steel wire eyeglass holder.
Adaptable to any type of eyeglass.

ARY® eyeglass for spectacles. Lightweight, removable and pivots upwards when not needed. Easy attachment to the eyeglass frame thanks to the system of spring clip covered with rubber.

ARY®



MSA	Kg
00.100	0.005

Additional eyeglass for ARY® eyeglasses MSA00.099-x, MSA00.100-x and MSA00.103-x. Simply press to fix it.
Additional magnification from 6.5x to 7x.

ARY®



For SMALL sized spectacles

MSA	Eye	No.	Magnification	Ø lens	Kg
00.099G-1	Left	1	10.0x	25 mm	0.025
00.099G-1.5	Left	1.5	6.5x	25 mm	0.025
00.099G-2	Left	2	5.0x	25 mm	0.025
00.099G-2.5	Left	2.5	4.0x	25 mm	0.025
00.099G-3	Left	3	3.5x	25 mm	0.025
00.099G-3.5	Left	3.5	3.0x	25 mm	0.025
00.099G-4	Left	4	2.5x	25 mm	0.025
00.099D-1	Right	1	10.0x	25 mm	0.025
00.099D-1.5	Right	1.5	6.5x	25 mm	0.025
00.099D-2	Right	2	5.0x	25 mm	0.025
00.099D-2.5	Right	2.5	4.0x	25 mm	0.025
00.099D-3	Right	3	3.5x	25 mm	0.025
00.099D-3.5	Right	3.5	3.0x	25 mm	0.025
00.099D-4	Right	4	2.5x	25 mm	0.025

Spare parts :

MSA	Item	Kg
00.099D-A1	Small right clip	0.004
00.099G-A1	Small left clip	0.004



MSA	No.	Magnification	Ø	Kg
00.030-L1	1	10.0x	25 mm	0.005
00.030-L1.5	1.5	6.5x	25 mm	0.005
00.030-L2	2	5.0x	25 mm	0.005
00.030-L2.5	2.5	4.0x	25 mm	0.005
00.030-L3	3	3.5x	25 mm	0.005
00.030-L3.5	3.5	3.0x	25 mm	0.005
00.030-L4	4	2.5x	25 mm	0.005

Spare lens for exeglasses with lenses Ø 25 mm.

ARY®



For STANDARD sized spectacles

MSA	Eye	No.	Magnification	Ø lens	Kg
00.100G-1	Left	1	10.0x	25 mm	0.027
00.100G-1.5	Left	1.5	6.5x	25 mm	0.027
00.100G-2	Left	2	5.0x	25 mm	0.027
00.100G-2.5	Left	2.5	4.0x	25 mm	0.027
00.100G-3	Left	3	3.5x	25 mm	0.027
00.100G-3.5	Left	3.5	3.0x	25 mm	0.027
00.100G-4	Left	4	2.5x	25 mm	0.027
00.100D-1	Right	1	10.0x	25 mm	0.027
00.100D-1.5	Right	1.5	6.5x	25 mm	0.027
00.100D-2	Right	2	5.0x	25 mm	0.027
00.100D-2.5	Right	2.5	4.0x	25 mm	0.027
00.100D-3	Right	3	3.5x	25 mm	0.027
00.100D-3.5	Right	3.5	3.0x	25 mm	0.027
00.100D-4	Right	4	2.5x	25 mm	0.027

Spare parts :

MSA	Item	Kg
00.100D-A	Standard right clip	0.005
00.100G-A	Standard left clip	0.005



ARY®



For LARGE sized spectacles

MSA	Eye	No.	Magnification	Ø lens	Kg
00.103G-1	Left	1	10.0x	25 mm	0.022
00.103G-1.5	Left	1.5	6.5x	25 mm	0.022
00.103G-2	Left	2	5.0x	25 mm	0.022
00.103G-2.5	Left	2.5	4.0x	25 mm	0.022
00.103G-3	Left	3	3.5x	25 mm	0.022
00.103G-3.5	Left	3.5	3.0x	25 mm	0.022
00.103G-4	Left	4	2.5x	25 mm	0.022
00.103D-1	Right	1	10.0x	25 mm	0.022
00.103D-1.5	Right	1.5	6.5x	25 mm	0.022
00.103D-2	Right	2	5.0x	25 mm	0.022
00.103D-2.5	Right	2.5	4.0x	25 mm	0.022
00.103D-3	Right	3	3.5x	25 mm	0.022
00.103D-3.5	Right	3.5	3.0x	25 mm	0.022
00.103D-4	Right	4	2.5x	25 mm	0.022

Spare parts :

MSA	Item	Kg
00.100D-A1	Large right clip	0.005
00.100G-A1	Large left clip	0.005



See chapter PERF.



Clip-on spectacle eyeglasses.



MSA	Magnification	Ø lens	Kg
00.012-1	10x	15 mm	0.050
00.012-1.5	7x	24 mm	0.050
00.012-2	5x	24 mm	0.050
00.012-2.5	4x	24 mm	0.050
00.012-3.5	3x	24 mm	0.050

Lightweight simple lateral eyeglass for spectacles (right and left eye).
 Delivered in plastic case with a variety of fixing clamps for spectacle frames from 1.60 to 6.35 mm.



MSA	Magnifications	Ø lenses	Kg
00.013-01	5x - 10x - 15x	24 - 15 mm	0.050
00.013-03	5x - 7x - 12x	24 - 25 mm	0.050
00.013-02	4x - 10x - 14x	24 - 15 mm	0.050
00.013-04	4x - 7x - 11x	24 - 25 mm	0.050
00.013-05	3x - 7x - 10x	24 - 25 mm	0.050
00.013-06	3x - 5x - 8x	24 - 25 mm	0.050

Lightweight double lateral eyeglass for spectacles (right and left eye). Each model allows 3 different magnifications by combining the lenses.
 Delivered in a plastic case with a variety of fixing clamps for spectacle frames from 1.60 to 6.35 mm.

Safety spectacles.



See chapter 26.

Binocular magnifiers.

MSA	Magnifications	Kg
00.259	1.5x - 2.5x - 3.5x	0.085

Binocular magnifier with clip, adaptable to all types of spectacles.
Delivered in a cardboard box.



MSA	Magnification	Kg
00.256-3	3.0x	0.100
00.256-2.5	2.5x	0.100
00.256-2	2.0x	0.100

Binocular magnifier with plastic frame.
 Suitable for people wearing spectacles.
Delivered in a plastic box with a cleaning cloth.

Spare parts :

MSA	Item	Kg
00.257-2	Binocular plate in acrylic resin 2.0x, 74 x 28 mm	0.012
00.257-2.5	Binocular plate in acrylic resin 2.5x, 74 x 28 mm	0.012
00.257-3	Binocular plate in acrylic resin 3.0x, 74 x 28 mm	0.012

ECOLINE

MSA	Magnifications	Kg
00.258	1.5x - 2.5x - 3.5x	0.174

Binocular magnifier on metal frame.
 Suitable for people wearing optical glasses.
Delivered in a synthetic case with a cleaning cloth.

OptiVISOR



MSA	No.	Magnification	Focal length	Kg
00.250-10	10	3.50x	10.16 cm / 4"	0.240
00.250-07	7	2.75x	15.240 cm / 6"	0.240
00.250-05	5	2.50x	20.32 cm / 8"	0.240
00.250-04	4	2.00x	25.40 cm / 10"	0.240
00.250-03	3	1.75x	35.56 cm / 14"	0.240
00.250-02	2	1.50x	50.80 cm / 20"	0.240

Binocular magnifier with high quality mobile visor. Rounded edges, folding visor mounted on hinges, adjustable headband using button and comfortable front part furnished with leather doubled of felt. Can be worn over spectacles.

Spare parts :

MSA	Item	Kg
00.251-02	Binocular plate no. 2 (1.50x), 103 x 38 mm	0.031
00.251-03	Binocular plate no. 3 (1.75x), 103 x 38 mm	0.031
00.251-04	Binocular plate no. 4 (2.00x), 103 x 38 mm	0.031
00.251-05	Binocular plate no. 5 (2.50x), 103 x 38 mm	0.031
00.251-07	Binocular plate no. 7 (2.75x), 103 x 38 mm	0.031
00.251-10	Binocular plate no. 10 (3.50), 103 x 38 mm	0.031

Accessory :

MSA	Item	Kg
00.252	Auxiliary lens 2.50x, lentille Ø 36 mm. Can be mounted on both sides	0.020

ECOLINE



MSA	Magnifications	Size	Kg
00.245	1.2x - 1.8x - 2.5x - 3.5x	290 x 215 x 65 mm	0.500

Binocular magnifier with frontal lamp 2 LED, adjustable headband and folding ocular plate. Multiple adjustable positions for frontal lamp: about 25° to the left or right and 45° upwards or downwards. It functions with 2 AAA batteries included. *Delivered with a plastic case containing 4 interchangeable ocular plates in acrylic resin.*

Spare part :

MSA	Item	Kg
00.245-B	Case with 4 ocular plates	0.205

Accessory :

PILE	Item	Kg
L92	Battery ENERGIZER AAA, blister 2 pieces	0.013

ECOLINE



MSA	Magnifications	Kg
00.242	1.8x - 2.3x - 3.7x - 4.8x	0.185

Non-reflecting binocular magnifier with multiple magnifications, folding internal lens and auxiliary lens. Headband with easy Velcro® attachment.



Spare part :

MSA	Item	Kg
00.242-A	Additional eyeglass 2.5x, Ø 30 mm	0.004

Control mirror.



MSA	Ø mirror	Length	Kg
00.280	30 mm	210 mm	0.022

Control mirror to inspect the difficult places of access, with hexagonal metal handle.

Triplet loupes.

ECOLINE



MSA	Magnification	Ø lenses	Kg
00.303	10x	18 mm	0.046

Triplet loupe for gem examination with 3 lenses, linked to obtain an increased, clear and very fine image. Inclusions of diamonds are definitely visible with this type of loupe. Chromed finish.

Delivered in a plastic box.

ECOLINE



MSA	Magnification	Ø lenses	Kg
00.304	20x	20.50 mm	0.056

Triplet loupe for gem examination with 3 lenses, linked to obtain an increased, clear and very fine image. Inclusions of diamonds are definitely visible with this type of loupe.

Black plastic body and nickel-plated brass cover.

Delivered in a plastic box.

Hand and on stand loupes.

ECOLINE



MSA	Magnification	Ø lens	Length	Kg
00.512	15x	37 mm	132 mm	0.060

Hand control magnifying-glass with 2 LED lighting.

ECOLINE



MSA	Magnifications	Ø lenses	Length	Kg
00.506	2x - 6x	90 - 21 mm	360 mm	0.499

Magnifying-glass on stand with flexible arm and 2 LED lighting.

ECOLINE



MSA	Magnifications	Ø lenses	Length	Kg
00.507	2x - 6x	107 - 24 mm	360 mm	0.450

Magnifying-glass on stand with flexible arm and 2 LED lighting.

HOROTEC lamps by RMD.

SLIM LINE II Pro Line lamps with variable intensity.

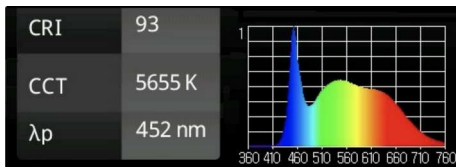


The LED lamp with articulated arm of the Pro Line range is perfectly suitable for watchmakers, goldsmiths, as well as for all professions and hobbies with very high visual requirements.

- Compact and robust luminaire housing with a spring-supported articulated arm
- The 3D joint on the lamp head has a large adjustment range and, in conjunction with a smooth-running friction joint arm made of aluminium profile tube, provides a great deal of flexibility for working.

Technical data :

- Anti-stroboscopic effect
- Opaque white diffuser as standard
- Wide light distribution, direct lighting
- Homogeneous, large-area light by one row of LED-modules. Dimmable as standard
- Control gear electronic LED-driver (no separate power supply)
- Switch multifunctional push-button in articulated arm (ON/OFF/DIMMER)
- LED-lifetime up to 50'000 hours
- Protection class IP20
- Colour temperature : 5700 K
- Very high colour rendering : CRI > 95 (97)
- No IR and UV emission
- No heat emission in direction of the light ; working area remains cool and the lighting head remains lukewarm.



MSA	LED	Voltage	Power	Head size	Kg
00.675	48 LED	220-240 V / 50-60 Hz	24 W	58.6 x 11 x 3.6 cm	3.500
00.668	24 LED	220-240 V / 50-60 Hz	12 W	35.0 x 11 x 3.6 cm	3.500

Spare parts :

MSA	Item	Kg
00.659-B	Opaque white diffuser for MSA00.675 and MSA00.676	0.110
00.659-C	Prismatic diffuser for MSA00.675 and MSA00.676	0.065
00.660-B	Opaque white diffuser for MSA00.668	0.064
00.660-C	Prismatic diffuser for MSA00.668	0.044

Accessory :

MSA	Item	Kg
00.676-L	Additional eyeglass Ø 120 mm, 3.4 dioptres / magnification 1.9x	0.340



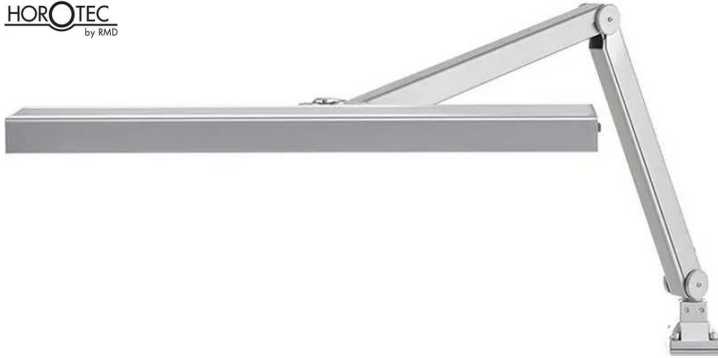
Maximum lightning strength at a distance of 50 cm (MSA00.675) :

- With opaque diffuser : CRI > 95 (97) - Temp. 5700 K - Emax = 2002 Lux
- With prismatic diffuser : CRI > 95 (97) - Temp. 5700 K - Emax = 3512 Lux

Maximum lightning strength at a distance of 50 cm (MSA00.668) :

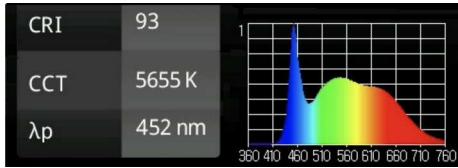
- With opaque diffuser : CRI > 95 (97) - Temp. 5700 K - Emax = 1171 Lux
- With prismatic diffuser : CRI > 95 (97) - Temp. 5700 K - Emax = 2130 Lux

SLIM LINE III Premium Line ergonomic lamp with variable intensity.



This LED lamp with articulated arm of the Premium Line range impresses with its flexible and simple operation. It is therefore one of our most flexible LED articulated lamps.

- Thanks to an innovative gas pressure spring arm, the lamp head can be easily positioned without the use of a locking screw and can be tilted if required
- Excellent light quality is ensured by double-row Mid-Power LED modules, which provide sufficient light for every workplace.



Technical data :

- Anti-stroboscopic effect
- Opaque white diffuser as standard
- Parallelogram-arm with 2 integral gas pressure springs
- Ergonomic arm with gas springs, easy to adjust for an ideal workstation
- Continuously and flicker-free dimmable as standard, with memory function
- Continuous, shadow-free, glare-free light
- LED Modules: 96 daylight white midpower-LEDs (in 2 rows)
- Colour temperature : 5700 K
- Colour rendering : CRI >95 (97)
- Protection class : IP20
- LED-lifetime : 50'000 hours
- No IR and UV emission
- No heat emission in direction of the light, working area remains cool and the lighting head remains lukewarm
- Switch multifunctional push-button in the lamp head (ON/OFF/DIMMER).

MSA	LED	Voltage	Power	Head size	Kg
00.676	96 LED	220-240 V / 50-60 Hz	22 W	58.6 x 11 x 3.6 cm	4.200

Spare parts :

MSA	Item	Kg
00.659-B	Opaque white diffuser for MSA00.675 and MSA00.676	0.110
00.659-C	Prismatic diffuser for MSA00.675 and MSA00.676	0.065

Accessory :

MSA	Item	Kg
00.676-L	Additional eyeglass Ø 120 mm, 3.4 diopres / magnification 1.9x	0.340



Maximum lightning strength at a distance of 50 cm :

With opaque diffuser : CRI > 95 (93) - Temp. 5700 K - 2153 Lux
 With prismatic diffuser : CRI > 95 (93) - Temp. 5700 K - 3915 Lux

Ergonomic arm with gas springs



PREMIUM LINE StepDim lamp.



HOROTEC PREMIUM LINE lamp with variable light intensity in steps of 50-60-70-80-90-100 % thanks to new Stepdim technology.

- Thanks to an arm equipped with an innovative gas pressure spring, the lamp head can be easily positioned without using a locking screw (can be tilted if necessary)
- CRI 97 / Daylight colour temperature 5400 K
- Maximum lightning strength at a distance of 50 cm : 12 W lamp (100% = 1235 Lux, 50 % approx. 700 Lux) and 22 W lamp (100% = 2150 Lux, 50 % approx. 1100 Lux).

MSA	LED	Voltage	Power	Head size	Kg
00.678	48 LED	220-240 V - 50-60 Hz	12 W-954	L 35.0 cm	5.640
00.679	96 LED	220-240 V - 50-60 Hz	22 W-954	L 58.6 cm	6.125

Maximum lightning strength at a distance of 50 cm :

- MSA00.678 : CRI = 97 - Temp. 5400 K - Emax = 1235 Lux (100%) ; 700 Lux (50%)
- MSA00.679 : CRI = 97 - Temp. 5400 K - Emax = 2150 Lux (100%) ; 1100 Lux (50%)



POWER LINE StepDim lamp.



HOROTEC POWER LINE lamp with variable light intensity in steps of 50-60-70-80-90-100 % thanks to new Stepdim technology.

- The 3D articulation of the head lamp has a large adjustment range and, combined with a friction arm made of profiled aluminium tube, offers great working flexibility
- CRI 97 / Daylight colour temperature 5400 K
- Maximum lightning strength at a distance of 50 cm : 12 W lamp (100% = 1235 Lux, 50 % approx. 700 Lux) and 22 W lamp (100% = 2150 Lux, 50 % approx. 1100 Lux).

MSA	LED	Voltage	Power	Head size	Kg
00.674	48 LED	220-240 V / 50-60 Hz	12 W-954	L 35.0 cm	4.575
00.687	96 LED	220-240 V / 50-60 Hz	22 W-954	L 58.6 cm	5.265

Maximum lightning strength at a distance of 50 cm :

- MSA00.674 : CRI = 97 - Temp. 5400 K - Emax = 1235 Lux (100%) ; 700 Lux (50%)
- MSA00.687 : CRI = 97 - Temp. 5400 K - Emax = 2150 Lux (100%) ; 1100 Lux (50%)



BASIC LINE lamp with fixed intensity.



LED lamp with articulated arm.

- Equipped with 24 white LED daylight, unvariable intensity
- Low power consumption
- No UV and infrared components in the light spectrum
- No stroboscopic effect
- Lamp colour : silver grey (RAL 9006)
- Opaque white diffuser as standard
- Colour temperature : 5000 K
- Colour rendering : CRI > 80 (84).

MSA	LED	Voltage	Power	Head size	Arms length	Kg
00.677	24 LED	220-240 V / 50-60 Hz	12 W	35.5 x 9.8 x 5 cm	Sup. 39 x Inf. 43 cm	4.365



Magnifying lamp.



Magnifying round LED lamp, 3 dioptries.

- Continuous dimming function from approximately 5% to 100% luminance
- 3 different lighting scenes for supporting different visual tasks
 - (1) All segments ON : even and broad light pattern underneath the lens
 - (2) Left + right segment ON for setting off structures, etc.
 - (3) Rear segment only for strong "hi-lighting" effect
- Best colour rendering index : CRI >90
- Colour temperature 5000K supporting visual recognition of contrasts
- LED-lifetime : 50'000 hours
- Total power 12 W.

MSA	LED	Voltage	Dioptries/ Magnification	Head size	Arms length	Kg
00.667	48 LED	220-240 V / 50-60 Hz	3 / 175 %	Ø 31.3 cm	41.5 x 31.5 cm	3.500

Maximum lightning strength at a distance of 15 cm :

With opaque diffuser : CRI > 90 - Temp. 5300 K - Emax = 6000 Lux

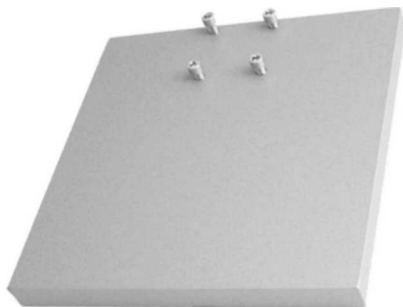
Accessories for HOROTEC lamps.

Accessories for SLIM LINE II + III, PREMIUM LINE, POWER LINE, BASIC LINE and magnifying lamps.



MSA	Size	Kg
00.670	24 x 26.5 x 2 cm	10.250

Bench base to fix lamps without foot.



MSA	Size	Kg
00.671	22.3 x 22.3 x 2 cm	9.000

Bench base to fix lamps with foot and magnifying lamps.



MSA	Kg
00.672	0.133

Fitting base.



MSA	Size	Kg
00.673	80 x 85 mm	0.412

Wall angle.



MSA	Opening	Kg
00.657	0...44 mm	0.400
00.663	16...85 mm	0.600

Bench clamp.

WALDMANN lamps.

WALDMANN® universal lamps.



Universal lamp TANEQ.



- Maintenance-free dimmable LED technology with 24 diodes
- Service life of up to 50,000 hours and more
- Requirements-oriented output levels for up to 3600 lx. 30 % energy saving
- Glare-free thanks to Conical Prismatic Screen (CDP) or white opal screen
- Flicker-free light with no IR or UV content
- Good contrast sensitivity and very good colour recognition thanks to premium LED
- Uniquely flexible and balanced arm with an enormous radius of action or intelligent connections for space-saving under-cabinet assembly
- Colour temperature neutral white 5000 K
- Touch panel integrated in the luminaire head for On/Off and dimming
- Table power supply and 3 metre connecting cable.

MSA	IRC > 90 LED	Voltage	Power	Head size	Arms length	Kg
00.650	24 LED	100-240 V / 50-60 Hz	24 W	39.8 x 13.6 x 3.3 cm	Sup. 38.4 cm Inf. 40.0 cm	4.100
00.653	24 LED	100-240 V / 50-60 Hz	24 W	39.8 x 13.6 x 3.3 cm	Sup. 24.4 cm Inf. 45.0 cm	4.100
00.654	*	24 LED	24 W	39.8 x 13.6 x 3.3 cm	Sup. 24.4 cm Inf. 45.0 cm	4.100

* Protected intensity adjustment

Accessories :

MSA	Item	Kg
00.650-L	(1) Additional eyeglass 110 x 60 mm, 4 dioptries	0.290
00.650-M	(2) Additional eyeglass Ø 132 mm, 3.5 dioptries	0.460



WALDMANN® magnifying lamps.



Magnifier lamp TEVISIO. It supports demanding viewing tasks with ergonomic perfection.



- Equipped with the latest LED technology. The multifunction button adjusts the light intensity and segment switching
- Easily adjustable arm which, if necessary, can be locked precisely if require
- Strength lightning power of 5500 lx at only 14 W
- Colour temperature neutral white 4000 K
- Integrated electronic ballast
- Maintenance-free : LED service life up to 50'000 hours
- Anti-reflective glass or plastic lens Ø 160 mm
- Wide field of view adapted ideally to the inter-ocular distance allowing a distortion-free viewing
- Index protection IP 20, protection class II
- Supplied with a 3.5 metre power cable.

MSA	Model	Voltage	Power	Dioptries	Arms length	Kg
00.652	Glass lens Ø 160 mm 3D articulation (head)	100-240 V / 50-60 Hz	14 W	3.5	Sup. 38.4 cm Inf. 40.0 cm	4.200
00.685	Anti-reflective glass lens Ø 160 mm 3D articulation (head)	100-240 V / 50-60 Hz	14 W	3.5	Sup. 38.4 cm Inf. 40.0 cm	4.200
00.686	Plastic lens Ø 160 mm 2D articulation (head)	100-240 V / 50-60 Hz	14 W	3.5	Sup. 38.4 cm Inf. 40.0 cm	4.200

Accessories for WALDMANN lamps.

WALDMANN® universal lamps.



MSA	Opening	Kg
00.608-A	0...45 mm	0.700
00.608-B	0...65 mm	0.500
00.608-C	65...135 mm	0.500
00.608-D	95...165 mm	0.500

Black bench clamp TK1.



MSA	Size	Kg
00.627	300 x 200 x 70 mm	7.000

Grey bench base.



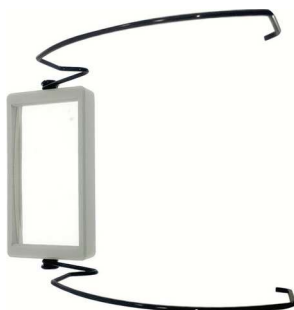
MSA	Size	Kg
00.617-B	80 x 90 x 40 mm	0.122

Standard fitting base for lamps type SN/SNE.



MSA	Size	Kg
00.621	105 x 160 mm	1.200

Adaptable magnifier 3 dioptres for lamps type SN(E) 118/136.



MSA	Size	Kg
00.655	100 x 50 mm	0.210

Magnifying glass with steel supports adapted to the head of the SN/SNE lamps.

ECOLINE lamps.

ECOLINE



Head size : 61 x 11 cm

MSA	Voltage	Arms length	Kg
00.646	220 V	45 x 45 cm	3.400

Bench lamp.

- 2 articulated arms
- 3 fluorescent tubes 15 W, daylight
- Parabolic grid
- Electronic ballast
- Fixing clamp.

Spare part :

MSA	Item	Kg
00.646-A	Fluorescent tube 15 W, daylight	0.055

ECOLINE



Head size : 58 x 8 cm

MSA	Voltage	Power	Arms length	Kg
00.649	110 - 220 V	21 W	47 x 45 cm	3.200

Bench lamp.

- 2 articulated arms in white lacquered steel, mast 47 cm and arm 45 cm
- Lighting with 84 LED, light intensity adjustable by multifunction button
- Luminous flux 1300 lm
- Integrated electronic ballast
- Fixing with a universal clamp.

UV lamps.

PRECITEC
QUALITY



MSA	Size	Kg
00.682	Ø 13 x 125 mm	0.033

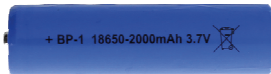
UV lamp (pen light) for controlling fluorescent oils.
Light colour : blue/violet. 395 Nm.

Works with 2 AAA batteries (not included).

Accessory :

PILE	Item	Kg
L92	Battery ENERGIZER AAA, blister 2 pieces	0.013

PRECITEC
QUALITY



MSA	Size	Kg
00.683	Ø 25 x 140 mm	0.215

UV flashlight for controlling fluorescent oils and detecting dust.
Light colour : white. 365 Nm.

Delivered with 1 rechargeable battery MSA00.683-A and 1 charger.

Spare part :

MSA	Item	Kg
00.683-A	Rechargeable battery, 3.7 V / 2000 mAh	0.045

PRECITEC
QUALITY



MSA	Size	Kg
00.684	220 x 150 x 295 mm	1.555

UV flashlight MSA00.683 mounted on an adjustable stand for controlling fluorescent oils and detecting dust.
Light colour : white. 365 Nm.

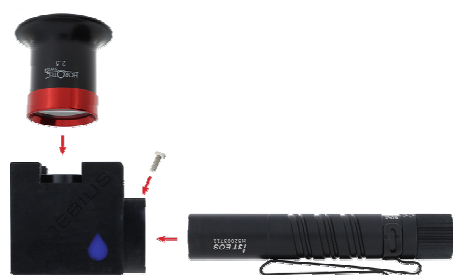


MSA	Size	Kg
00.690	-	0.130

The Moebius® LUBETRACKER is an eye-safe visual aid for checking fluorescent lubrication points.

Advantages :

- Easy visualization of Moebius fluorescent lubricants (example: 9010-FL, 9104-FL, 8200-FL, etc.)
- No UV light harmful to the eyes (white light only)
- No need for expensive equipment with UV filter
- Using your own watchmaker's eyeglass
- Compact, easy to carry and to store.



Preparation before use