



WELDLINE™
by Lincoln Electric

New range of welding helmets



MORE COMFORT & SAFETY FOR WELDERS





CHOOSING A AUTO DARKENING WELDING HELMET: WHAT MATTERS?

VIEWING AREA

A larger viewing area gives a better range of vision, with improved visibility of the welding area enhanced operator control.

LENS SWITCHING SPEED

The lens switching time needs to be optimized both from light to dark, but also from dark to light - all for maximum comfort and safety for the welder.

SENSITIVITY CONTROL

An increasing number of independent optic sensors will improve the sensitivity of the filter, in all possible welding positions.

SHADE LEVELS

Different welding applications require different shades, and for grinding it is important to be able to adapt the automatic filter.

COMFORT

With a comfortable welding helmet the welder is likely to increase the operating factor. The comfort of the helmet is mainly depending on the headband and how it can be adjusted to a perfect fit depending on the morphology of each person.

SECURITY

For best security and comfort, a lens with a natural vision makes it easier to see the welding joint as well as potential dangers around the welding area.



WE OFFER MORE

A FULL RANGE OF AUTOMATIC WELDING HELMETS, WITH FEATURES THAT WILL SUIT ALL WELDERS IN ALL APPLICATIONS:

Light Shade Technology

Giving a natural vision with better colour perception and more comfort & security for welders

Grinding

Filter activation in clear shade level 3

Cutting, low current welding

Adjustable shades 5 to 8 for low intensity TIG process, microplasma, oxy-fuel gas welding...

X-mode

A functionality where autodarkening is triggered by the electric arc, without interference from other sources of light, ideal when welding outside for example.

Infotrack

A in-built system providing useful information tracking and controlling (*current time - total welding time - alarm - temperature*)

CUSTOMIZATION

Certain helmets are delivered with a set of stickers for personalization..



SEE MORE!
WELD BETTER!

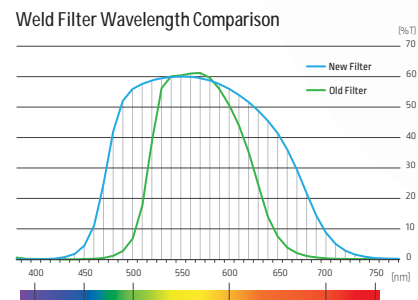
TECHNOLOGY NEW LIGHT SHADE - NATURAL VISION

THE NEW RANGE OF HIGH QUALITY AUTODARKENING HELMETS

- ◆ Natural vision for more comfort for the welders
- ◆ Better color perception for more safety
- ◆ A largest panel color for a clearer vision of the bead and of the environment from shade 3 to 13.



See the video



OLD WELDING FILTER

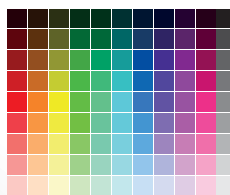
Since it needs to be special coated to protect the harmful rays, the penetration ratio is less than the transparent lens and user feels the color as yellow-green.

NEW LIGHT SHADE WELDING FILTER

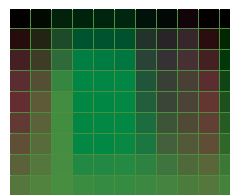
New Welding Filter has function of protection against harmful rays and the penetration ratio is increased so user can recognize the object more brighter

Also the recognizable color is enhanced natural color from current yellow-green.

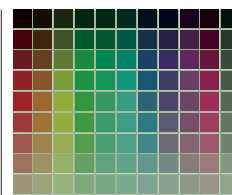
The lens improved as natural color can make the user recognize the object with ungarbled color so it can reduce feeling of fatigue and improve operation efficiency.



WELDING FILTER
UNAPPLIED



Light state shade #3



Light state shade #3



Dark state shade #9

OLD WELDING
FILTER



Dark state shade #9

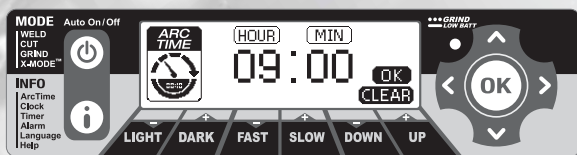
NEW LIGHT SHADE
WELDING FILTER

INFOTRACK



A display function of arc time Control

The arc time function records the amount of time the lens assembly is dark (*exposed to an arc*). Arc time is accumulated and displayed hours and minutes as Max. 99 hours 59 minute.



A display function of Current time

You can access to set a current local time.



Alarm function

Alarm clock functions to turn on alarm at a specific time.



Timer function

A time-management function with alarms.



Multi-language support

Help menu displays in Korean and English as default setting (*up to 6 languages supportable*)



Help menu

Help menu displays abbreviated instructions, modes, and notes on proper usage.



X-MODE

The X-mode functionality allows autodarkening to only triggered by the electric arc, without any interference from other sources of light such as sunlight or other welders around.

This functionality is ideal when welding outside for example.



GREATER COMFORT AND OPTIMAL FIT

Headband

Weldline by Lincoln Electric is always concerned about the user comfort and has developed a series of head bands, that will allow you to combine comfort and ergonomics.

More than a detail, it is the key for comfort and maintenance of the helmet, an essential criteria in choosing your protection.

New comfortable headgear

FLEXTECH I

(for CHAMELEON 4V+ LS and EUROLUX LS + ZEPHYR LS & FLIPAIR LS)



FLEXTECH II

(for GOLDENARK)



FLEXONE

(for EUROONE)



FLEXSPEED LS

(for EUROSPEED LS)

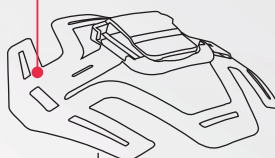


- 1 Removable sweatband
- 2 Setting on the top
- 3 Rack setting
- 4 Comfort cushion

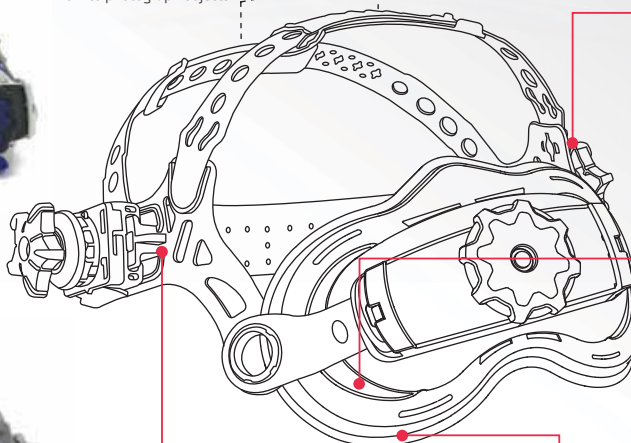


Flextech 2 PAD: headgear suspension pad

The high elasticity buffer distributes the helmet weight evenly, and the dual injection urethane prevents slipping as a slip resistant. The features of detachable and easy relocation provide to comfortable fit on diverse shape heads even a long time to wear.



how to photograph objects



Ergonomic Top headgear band

Redesigned as two top bands provide extensive adjustability, settings, and enhanced support. The 2nd band is designed with rotational motion, which is increasing wearable on the head.

Cushion: oversized comfort cushion provides unsurpassed comfort and stability.

Oversized comfort cushion provides to decentralize the weight in a head for long time wear and it supports to release a helmet load and relief pressures.

Easily detachable and quick adjusting rail function

Distance Adjustment by six level rail systems between the face and the lens. Release tabs as one touch.

The high elasticity urethane cushion is made of dual injection, and it gives to reduce not come off easily when wearing on/off a helmet. Also the high Adhesiveness provides to easy fit on various shape head. It transfers the center of gravity towards the back of the head, so to provide a balance with stable fit.

OVERVIEW



| | EUROONE | EUROSPEED LS | CHAMELEON 4V+ LS | EUROLUX LS | GOLDENARK LS | ZEPHYR 4500 LS with air flow system FLIP-AIR 4500 LS with air flow system* |
|--------------------------------------|---|--|---|---|---|---|
| To order | W000403823 | W000403824 | W000403668 | W000403672 | W000403673 | W000403674 W000403675 |
| Lens switching Speed(sec) | 1/16,000 sec. [0.06ms] | 1/25,000 sec. [0.04ms] | 1/20,000 sec. [0.05ms] | 1/25,000 sec. [0.04ms] | 1/20,000 sec. [0.05ms] | 1/25,000 sec. [0.04ms] |
| Variable Shade/ Control | 9-13 External | 9-13 Internal | 8-13 Internal | 8-13 Internal | 8-13 Internal | 8-13 Internal |
| Light Shade (LS) | No | Yes | Yes | Yes | Yes | Yes |
| Grind Mode Shade/Control | DIN3.5/External | DIN3.5/Internal | DIN3/External | DIN3/External | DIN3/External | DIN3/External |
| Light Sensitivity Control | By infinitely dial knob | By infinitely dial knob | Continuous | Continuous | Continuous | Continuous |
| Delay Control Dark to Light (sec) | 0.1-1.0s by infinitely dial knob | 0.1-1.0s by infinitely dial knob | Variable from 1 s-0.1s | 0.1-1.0s- Fully Adjustable | 0.1-1.0s-1 Fully Adjustable | 0.1-1.0s Fully Adjustable |
| Additional features | - | Planch of stickers | - | X-mode INFOTRACK | X-mode INFOTRACK | X-mode INFOTRACK |
| Arc Sensors | 2 | 2 | 3 | 4 | 4 | 4 |
| TIG Amp Rating | ≥10 amps /DC ≥ 10 amps /AC | ≥5 amps /DC ≥5 amps /AC | ≥5 amps /DC ≥5 amps /AC | ≥5 amps /DC ≥5 amps /AC | ≥5 amps /DC ≥5 amps /AC | ≥5 amps /DC ≥5 amps /AC |
| Cartridge Size (mm) | 110x90mm | 110x90mm | 110x90mm | 110x90mm | 114x133 | 110x90mm |
| Viewing Area (mm ²) | 4 312 | 4 312 | 4 559 | 5 820 | 8 736 | 5 820 |
| For welding process | MMA, MIG MAG | MMA, MIG, MAG, TIG | Every welding process, especially for TIG | Every welding process | Every welding process | Every welding process |
| Weight (g) | 490 | 475 | 614 | 542 | 668 | 938 + 1760 |
| Optical Clarity | 1/1/1/2 | 1/1/1/2 | 1/1/1/2 | 1/1/1/2 | 1/1/1/2 | 1/1/1/2 |
| HeadGear | FLEXONE | FLEXSPEED LS + cushion | FLEXTech I | FLEXTech I | FLEXTech II | FLEXTech I |
| Battery Type | Solar cells, no battery change required | Solar cell + Battery replaceable [2xAAA Alkaline batteries] | Solar cells +2 exchangeable lithium batteries | Solar cells +2 exchangeable lithium batteries | Solar cells +2 exchangeable lithium batteries | Solar cells +2 exchangeable lithium batteries |
| Low Battery Indicator | - | Yes | Yes | Yes | Yes | Yes |
| Harmonized standards | EN 166:2001, EN 379:2003+A1:2009, EN 175:1997 | EN 166:2001, EN 379:2003+A1:2009, EN 175:1997 | EN 166:2001, EN 379:2003+A1:2009, EN 175:1997 | EN 166:2001, EN 379:2003+A1:2009, EN 175:1997 | EN 166:2001, EN 379:2003+A1:2009, EN 175:1997 | EN 166:2001, EN 379:2003+A1:2009, EN 175:1997 *EN 12941:2009-02 |
| WARRANTY (Months) | 12 | 18 | 24 | 24 | 24 | 24 |
| FILTER PARTS | W000404067 | W000404097 | W000402680 | W000402681 | W000402683 | W000402681 (ZE) W000402682 (FL) |



EUROONE

Confortable and light retail helmet with good technical content.

- ♦ Viewing area 4312 mm²
- ♦ **Lens switching speed:** 0,06ms
- ♦ 2 arc sensors
- ♦ DIN 3.5/9-13



FLEXONE



STICK WELDING
MIG MAG
PLASMA
CUTTING AND
GRINDING
PROCESS

WARRANTY

1
YEAR

Item Number:
W000403823

Delivered with:
2 outside protection plates
and 2 inside protection plates,
1 sweat band.



Item Number:
W000404067

ECONOMIC SOLUTION

STICK WELDING
MIG MAG,
PULSED MIG
TIG, TIG PULSED
FLUX-CORED
GOUGING
PLASMA
CUTTING AND
GRINDING
PROCESS



EUROSPEED LS

All the comfort and security of an autodarkening helmet, delivered with different stickers to be personalized.

EUROSPEED LS

- ♦ Viewing area 4312 mm²
- ♦ **Lens switching speed:** 0,04ms
- ♦ 2 arc sensors
- ♦ DIN 3.5/9-13

LENS SWITCHING SPEED IN 0.04 ms



WARRANTY
18
MONTH

Item Number:
W000403824

Delivered with:
2 outside protection plates and 1 inside
protection plate, and 1 sweat band,
1 comfort cushion on the headgear.



Item Number:
W000404097



FLEXSPEED LS



CHAMELEON 4V+ LS

Autodarkening helmet adapted for TIG welding, switching at very low amperage (5A).

- ◆ Viewing area 4559 mm²
- ◆ Lens switching speed: 0,05ms
- ◆ 3 arc sensors
- ◆ DIN 3/8-13



STICK WELDING
MIG MAG,
PULSED MIG
TIG, TIG PULSED
FLUX-CORED
GOUGING
PLASMA
CUTTING AND
GRINDING
PROCESS



FLEXTECH I

Item Number:
W000402680



2011-489

Delivered with:
5 outside protection plates and
2 inside protection plates,
1 sweat band and
1 comfort cushion on
the headgear.



Grinding mode
with external
button

2011-518

WARRANTY
2
YEARS

Item Number:
W000403668

ESPECIALLY
FOR THE TIG



STICK WELDING
MIG MAG,
PULSED MIG
TIG, TIG PULSED
FLUX-CORED
GOUGING
PLASMA
CUTTING AND
GRINDING
PROCESS



EUROLUX LS

Light-weight autodarkening helmet with optimized headprotection and an exclusive design.

The advantages of the EUROLUX LS helmet

- ◆ Viewing area 5820 mm²
- ◆ Lens switching speed: 0,04ms
- ◆ 4 arc sensors
- ◆ DIN 3/8-13
- ◆ INFOTRACK & X-mode

Grinding mode
with external
button

WARRANTY
2
YEARS

Item Number:
W000403672



FLEXTECH I

4 independant
optical sensors



2011-487

Item Number:
W000402681

Delivered with:
5 outside protection plates and
2 inside protection plates,
1 sweat band and
1 comfort cushion on the headgear.



GOLDENARK LS

Think bigger.

- ◆ Extra large viewing area 8736 mm²
- ◆ **Lens switching speed:** 0,05ms
- ◆ 4 arc sensors
- ◆ DIN 3/8-13
- ◆ INFOTRACK & X-mode



WARRANTY
2
YEARS



STICK WELDING
MIG MAG,
PULSED MIG
TIG, TIG PULSED
FLUX-CORED
GOUGING
PLASMA
CUTTING AND
GRINDING
PROCESS



Item Number:
W000403673



External grinding button

4 optical sensors



Item Number:
W000402683

THE BIGGEST VIEWING AREA ON THE MARKET

Delivered with:

5 outside protection plates
and 2 inside protection plates,
1 sweat band, 1 comfort cushion
on the headgear, 1 light bag.

Better weight distribution on the head
resulting in a feeling of comfort.



FLEXTech II



ZEPHYR LS / FLIPAIR LS

Bring fume protection and filtered air directly to the operator in difficult environments and keep it there all day.

- ◆ Large viewing area 5820 mm²
- ◆ Lens switching speed: 0,04ms
- ◆ 4 arc sensors
- ◆ DIN 3/8-13
- ◆ INFOTRACK & X-mode

Helmet with powered and filtered airflow



Grinding mode with external button

STICK WELDING
MIG MAG,
PULSED MIG
TIG, TIG PULSED
FLUX-CORED
GOUGING
PLASMA
CUTTING AND
GRINDING PROCESS

WARRANTY
2
YEARS



Item Number:
W000403674



FLEXTECH I

Item Number:
W000403675

Flip-up LCD filter for grinding

THE ULTIMATE WELDER PROTECTION

ZEPHYR LS & FLIPAIR LS are both delivered in a rugged carry bag:

- ◆ The ZEPHYR or FLIP'AIR helmet
- ◆ The ZEPHYR air flow system,
- ◆ A protected hose connection
- ◆ A shoulder strap
- ◆ A battery charger
- ◆ An air flow-meter
- ◆ One extra filter





WELDLINE™

by Lincoln Electric



Offering our customers MORE tools, accessories and personal protection

With its strong brand notoriety, **WELDLINE** is the unique and transversal brand for professional welding accessories and protection. Due to its continuous research for the best products, **WELDLINE** is able to offer even MORE to customers: high quality at the right price and compliance with the most rigorous European standards.

www.weldline.eu



BEING PRESENT LOCALLY MAKES US MORE AWARE GLOBALLY



2.6
BILLION USD REVENUE

160
ACTIVE IN 160
COUNTRIES
WORLDWIDE

11 000
EMPLOYEES WORLDWIDE

120
YEARS OF EXPERIENCE

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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