

The Future of Welding Helmets



VIKING 2450 ADV SERIES HELMETS





- ✓ Industry First Integrated LED Worklight
- ✓ Leading 5 Year Warranty
- ✓ Digital Interface
- ✓ Large Viewing Area
- ✓ 4C Lens Technology



Black
K3028-5



Street Rod
K3035-5



Smart LED
Light Included

The Viking 2450 ADV offers superior 4C® optics, all day comfort and features cutting edge UI and LED technologies to improve productivity.

Modular LED Light

- Illuminates work area for enhanced productivity, quality, and safety
- Innovative, intelligent design automatically turns on/off
- Compact, lightweight design is separately powered and can be removed in seconds

Digital User Interface

- Moisture and abrasion resistant push button LED UI controls
- Simple, intuitive adjustments for precise and consistent performance

Industry Leading Optics

- Exclusive 4C® Lens Technology with 1/1/1 Optical Clarity
- 9.3 Sq. In. (97x62mm) Auto-Darkening Viewing Area

Versatility

- Low profile external grind/LED control
- Consistent indoor and outdoor performance

Processes

Stick, TIG, Pulsed TIG, MIG, Pulsed MIG, Flux-Cored, Gouging and Grinding.

Meets

AS/NZS 1338.1



SMART LED LIGHT



The modular LED light was custom designed to improve productivity, quality, and safety in one simple attachment. The light can be easily activated or deactivated using a low profile external control and, when activated, illuminates the work area for increased workspace visibility during arc off time. To save power and increase battery life when welding, the LED automatically turns off when an arc is struck and turns back on when the arc is extinguished.

Removable Battery Pack

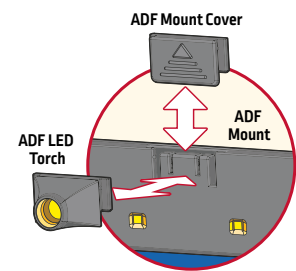
A standard AA battery powers the LED module and is easily accessible, making replacements fast and easy, without interfering with the helmet's primary functions.



Integrated Low Profile LED Light Cartridge

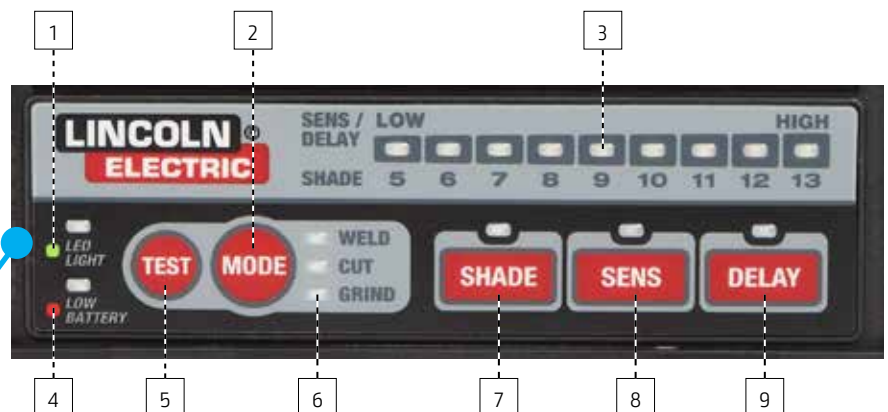


Removable AA Battery Pack



Easy to Detach / Attach

DIGITAL USER INTERFACE



1. LED light on/off indicator
2. Large mode button to switch between Weld, Cut and Grind
3. Low to High Visual LED Display [Green = Shade, Orange = Sensitivity/Delay]
4. Red low battery indicator
5. Test function is an added safety feature
6. Flashing grind mode indicator enhances productivity
7. Adjust Lens Shade from 5 to 13
8. 5 Levels of Arc Sensitivity
9. 5 Levels of Lens Arc Delay

X6 HEADGEAR – SUPERIOR COMFORT



1. Adjustable, form fitting top head supports and distributes weight to optimise balance
2. Orientation adjustment pin for optimal resting position
3. Rotatable front headband for personalised support and fit
4. Innovative and easy to use forward and backward adjustments
5. Strategically positioned rear headband improves balance
6. Unique flexible backpad eliminates common pressure point

EXTERNAL LOW PROFILE CONTROLS



Switching Modes Made Easy

The low profile external grind & led light buttons allow operators unique functionality to reduce prep, weld and inspection time. The ergonomic design enables users to switch between weld and grind modes or turn on/ off the LED illuminating light in 3 seconds.

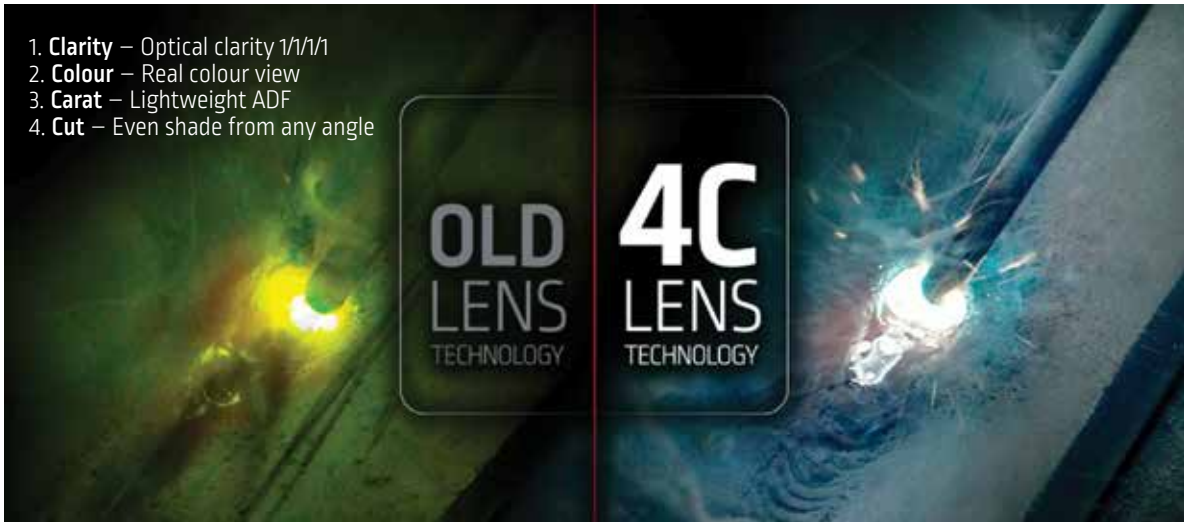
Benefits:

- Increases productivity
- Prevents accidental activation
- Enhanced application and environment versatility

4C LENS TECHNOLOGY

Lincoln Electric's proprietary liquid crystal display (LCD) enhances the visible colour spectrum of the display. Unlike traditional auto-darkening filters, 4C lens technology broadens the colour range and hues which

can be seen in both light and dark states. This eliminates imperfections and colour saturation to create the clearest view of the base material, arc and puddle, while reducing eye strain.



1/1/1 OPTICAL CLARITY

Eliminating Distortion

Removing Blurriness

Uniform Shade

Consistent Angle Performance

Consistent Shade at all Angles

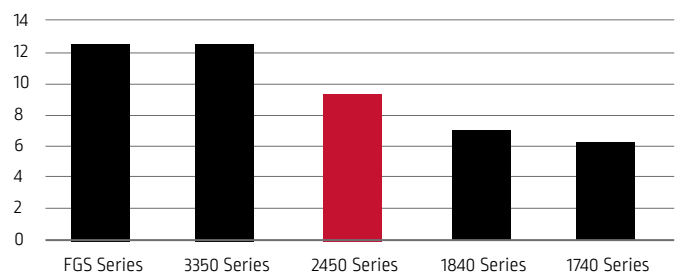
LARGE VIEWING AREA

Auto-Darkening Lens Size

While the quality of the auto-darkening lens is critical, the size is also an important attribute to consider.



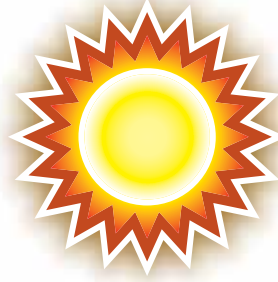
9.3 Sq. In. [97x62mm]



Hard Hat Compatible



Enhanced Outdoor Performance



Cheater Lens Compatible



PRODUCT SPECIFICATIONS

Product Name	Lens Switching Speed (sec)	Variable Shade/Control	Battery Replacement Type	Magnifying "Cheater" Capable Lens	Grind Mode Control	Light Sensitivity Control
VIKING 2450 ADV	1/25,000	5-13 Internal Digital	1 x CR2450 Replaceable Battery	Yes	3.5 Internal and External	9 Sensitivity Settings
Delay Control Dark to Light (sec)	Arc Sensors	TIG Amp Rating	Cartridge/View Size in. (mm)	Temperature Range	Weight oz. (g)	
0.1-0.25 Fully Adjustable	4	DC ≥ 2 Amp AC ≥ 2 Amp	Cartridge US: US 5.25 x 4.50 (133 x 114) View: 3.82 x 2.44 (97 x 62)	Operating: -10°C - +55°C (14°F - 131°F) Storage: -20°C - +70°C (-4°F - 158°F)	22 Oz. (639.5g) 24 Oz. (680g) with LED Module	

REPLACEMENT PARTS

Part Number	Description	Product Type
KP2898-1	Outside Cover Lens – 3350 & 2450 Series	Cover Lenses
KP2931-1	Inside Cover Lens – 2450 Series	
S27978-32	Gasket – Outside Cover Lens Seal – 3350 & 2450 Series	
KP4628-1	Bulk Outside Cover Lens – 3350 & 2450 Series	
KP2930-1	Sweatband – Super Soft Knit Cotton	Sweatband & Headgear
KP4541-1	Soft Cotton Back Pad for X6 Headgear™	
KP4470-1	X6 Headgear	
K3908-1	Pivot Headgear	Hard Hat Adapters
K4100-1	Traditional Headgear	
KP3047-1	Hard Hat Adapter – Halo Style	
KP3486-1	Hard Hat Adapter – Slotted Style	Auto-Darkening Filter & Parts
KP3046-XXX	Magnifying Cheater Lenses – 1.00 MAG – 2.50 MAG Cheater Lenses	
KP2932-5	2450 Adv Series ADF 5-13 Shade Cartridge	
KP5246-1	VIKING 2450 – 5 Replacement External Control Button Housing	
KP4491-1	CR 2450 Battery	
S27978-33	ADF Cartridge Holder	LED Assembly
KP5245-1	VIKING 2450 – 5 Led Light Kit	Replacement Shells
KP4560-2	Glossy Black 2450 5th Gen Replacement Shell	
KP4561-2	Matte Black 2450 Replacement Shell	

CUSTOMER ASSISTANCE POLICY

Lincoln Electric® business 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 advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric® is not in a position to warrant or guarantee such advice and to the extent permitted by law assumes no liability, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given. The provision of information or advice does not create, expand or alter this warranty. Lincoln Electric® is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric® is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric® affect the results obtained in applying this type of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing.

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