

# VIKING 2450 ADV SERIES

## Auto-Darkening Welding Helmets



Street Rod®  
K3035-5



White Tail Camo™  
K4411-5



Heavy Metal®  
K3029-5



All American®  
K3174-5



Graveyard Shift®  
K3099-5



Intergalactic®  
K5243-5



Shown:  
Black K3028-5



Smart LED light included

## KEY FEATURES

The Viking 2450 ADV offers superior 4C® optics, all day comfort and features cutting edge UI & 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 & can be removed in seconds

### Industry Leading Optics

- Exclusive 4C® Lens Technology
- 1/1/1 Optical Clarity
- 9.3 Sq. In. Auto-Darkening Viewing Area

### Digital User Interface

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

### Versatility

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

### Process »

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



### Meets:

ANSI Z87.1 & CSA Z94.3



## 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.

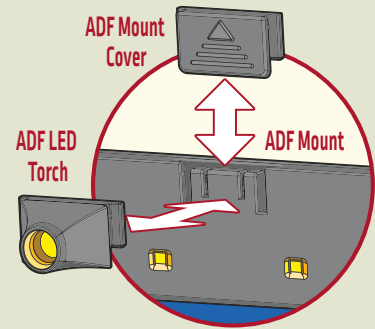
Integrated Low Profile LED Light Cartridge



Removable AA Battery Pack



Easy to Detach/Attach



## DIGITAL USER INTERFACE



LED light on/o indicator

Large mode button to switch between Weld, Cut & Grind

Low to High Visual LED Display [Green = Shade, Orange = Sensitivity/Delay]



Red low battery indicator

Test function is an added safety feature

Flashing grind mode indicator enhances productivity

Adjust Lens Shade from 5 to 13

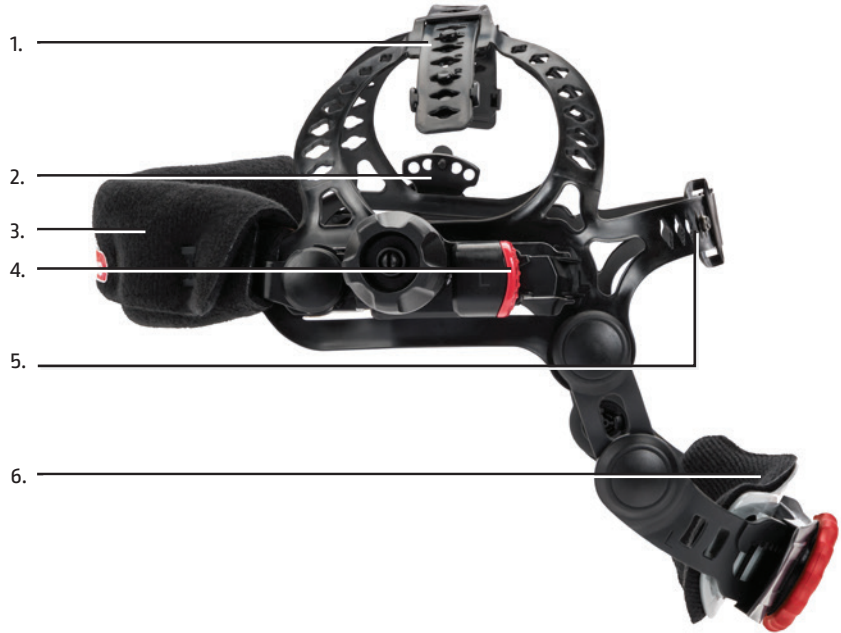
5 Levels of Arc Sensitivity

5 Levels of Lens Arc Delay

## X6 HEADGEAR

### Superior Comfort

1. Adjustable, form fitting top head supports distribute weight and optimize balance
2. Orientation adjustment pin for optimal resting position
3. Rotatable front headband for personalized 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

### Innovative, Easy to Use Controls

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 & environment versatility

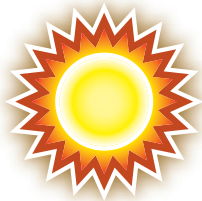


## ADDITIONAL FEATURES

### Hard Hat Compatible



### Enhanced Outdoor Performance



### Cheater Lens Compatible



## 4C LENS TECHNOLOGY

Lincoln Electric's proprietary liquid crystal display (LCD) enhances the visible color spectrum of the display. Unlike traditional auto-darkening filters, 4C lens technology broadens the color range & hues which can be seen in both light and dark states. This eliminates imperfections and color saturation to create the clearest view of the base material, arc & puddle, while reducing eye strain.



### 1/1/1 OPTICAL CLARITY

**Eliminating Distortion**

**Removing Blurriness**

**Uniform Shade**

**Consistent Angle Performance**

**Consistent Shade at all Angles**

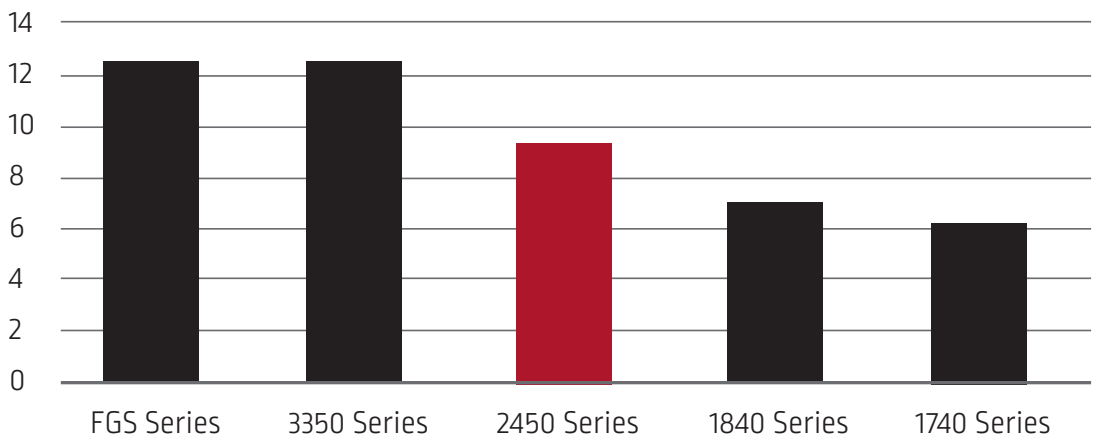
### LARGE VIEWING AREA

#### 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. Inches



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

## PRODUCT SPECIFICATIONS

Product Name	Lens Switching Speed (sec)	Variable Shade/Control	Battery Replacement Type	Magnifying "Cheater" Capable Lens	Grind Mode Control	Light Sensitivity Control	Delay Control Dark to Light (sec)	Arc Sensors	TIG Amp Rating	Cartridge/View Size in. (mm)	Temperature Range	Weight oz. (g)
VIKING 2450 ADV	1/25,000	5-13 Internal Digital	1 CR2450 Replaceable Battery	Yes	3.5 Internal and External	9 Sensitivity Settings	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

### CUSTOMER ASSISTANCE POLICY

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