

PhotonSafe® Laser protection

PhotonSafe Tec-100LW Laser Welding Helmet



Auto Darkening Laser Welding helmet

ALL-AROUND SAFETY AGAINST LASER EXPOSURE

The PhotonSafe Tec-100LW Laser Welding Helmet is specifically designed for laser welding/cleaning/cutting application to protect users. The variable shade lens provides full protection against direct laser exposure, as well as reflection, scattering, diffraction, and divergence from the laser beam. Meanwhile, it offers protection against UV/IR/blue light.

The certified Fiber Laser Welding Helmet PhotonSafe Tec-100LW is a cutting-edge protective head gear designed for welding professionals. Equipped with a special laser shielding filter system, with multiple layers of protection, this helmet offers superior protection, visibility and precision during welding tasks. Approved for fiber laser welding and cleaning. Variable shade auto dimming as standard. Suits the most powerful hand held laser welders, up to 3kW.



PhotonSafe® Tec-100LW Laser Welding helmet:

Safety and comfort combined in one revolutionary product!

Superior laser protection with adjustable shade number. This newly designed laser welding helmets set new standards in the industry.

Key features

Effective laser protection

Designed to meet EN207 OD10+@1064nm, the PhotonSafe® Tec-100LW provides full protection to prevent eye burns, retinal damage and other tissue damage.

Advanced Headgear design

Viewing angle and distance adjustable. Offers a better weight distribution for maximum comfortable feelings.

Ultra-clear vision

Experience exceptional clarity and details with PhotonSafe's Tec-100LW light state 2.0 variable shade laser lens. Superior vision quality leads to superior work quality.

Smart adjustment

Shade number, delay and sensitivity all easily adjustable using our user-friendly panel with LED indicators.

Specifications:

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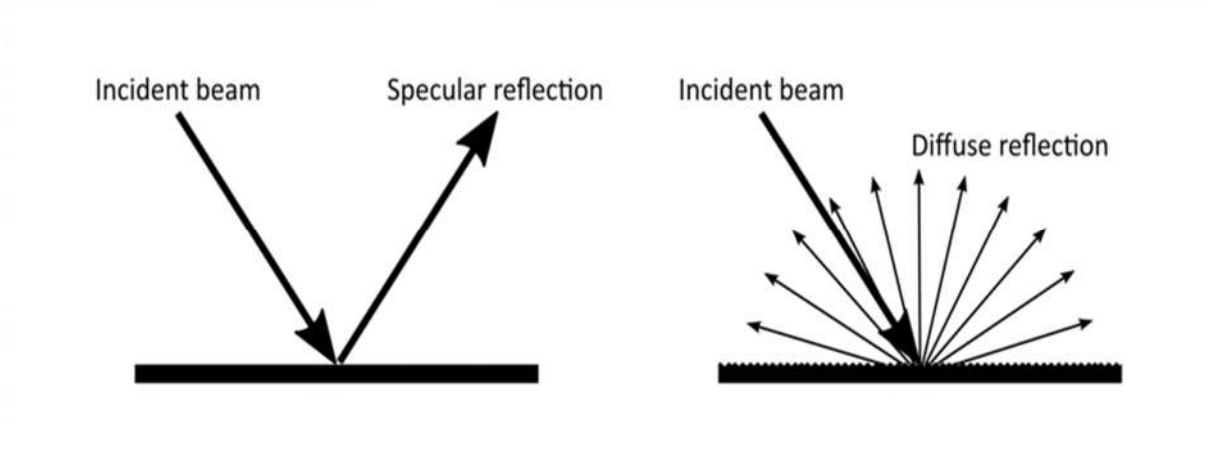


- High speed reactive auto darkening face screen
- Shade level 4 - 12
- Protection level 4-12
- Wide range of protection levels for many applications.
- Welding Mode and Grinding mode

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PATENTED HIGH DISPERSION REFLECTIVE DUR_ALUMINIUM SHIELD

28 TIMES MORE LASER RESISTANCE THAN NORMAL LASER HELMETS



Auto Darkening Function (ADF) Model PhotonSafe Tec-100LW

Auto Darkening Function (ADF) Model PhotonSafe Tec-100LW	
Viewing Area	96x46.5mm
Optical Class	1 / 1 / 1 / 2
Number of Sensors	2
Power On/Off	Automatic On/Off
Dark State	4-8/8-12
Light State	Shade 2.0
Switching Speed	1/25,000s, from Light to Dark
Special Modes	GRIND / CUT / MIX / DARK
Sensitivity Control	Low-High, LED and Button Control
Delay	0.1-1.0s, LED and Button Control
UV/IR Protection	Up to Shade DIN 16 at all times
Operating Temp	-10°C to 55°C (14°F to 131°F)
Storing Temp	-20°C to 70°C (-4°F to 158°F)
Helmet Material	High Impact Resistant Nylon
Laser Protection	1000-1100 D LB7+ IR LB8
Optical Density(OD)	OD 7+@1000-1100nm, OD 10+@1064nm
Approvals	CE (EN 207, EN ISO 16321)

The PhotonSafe Tec-100LW model is the premium version of our helmet and offers the best view without colour distortion, thanks to a coated interference filter. This high-end solution guarantees unparalleled clarity and protection, ideal for demanding laser welding work where precision and safety are top priorities. Perfect for professionals who demand only the best. The very best value and the most safe laser welding helmet on the market, with comfortable padded head gear with maximum wearing comfort, and fully meeting all safety standards like (EU) 2016/425, EN ISO 16321-1:2022, EN ISO 16321-2:2021 and the stringent EN207 laser eyewear standard up to 3kW laser power. Suits also laser cleaning, which requires auto dimming.



Its special multi stage infrared and UV filter with variable auto dimming is unmatched on the market, along with its shielding made from Special heat resistant polyamide, high reflective Aluminium, ABS and Polycarbonate.

PhotonSafe Tec-100LW's filter and shield will much less be damaged by multiple laser strikes, due to its ultra-light frontal metal protection shield where other far more expensive helmets may require replacement after only one high intensity laser strike. This Multi layered defence system meets EN207 and OSHA requirements for laser welding.



Ultra-low weight auto-darkening laser welding helmet with metal shield protection: **ONLY 613 gram, the lightest auto darkening laser welding helmet in the market with metal shielding.**

Light as a feather and well balanced for maximum comfort and perfect ergonomics.



Most comfortable and lightest protective laser welding helmet with metal face shield.

For Full total eye safety laser protection glasses should (must) be worn under any laser welding helmet. This provides safe protection in the case of a user forget to flip his helmet down.

Price

Auto Darkening Laser Welding helmet PhotonSafe Tec-100LW

- Green OD8+
- Ref: LLSE-PHAD-0001G
- € 760,50 excl VAT (alid from 11 2024)



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