

# UltraLO

Ultra-low absorption lenses for high power CO<sub>2</sub> laser systems



# Low absorption, high power

UltraLO coated lenses from Umicore Laser Optics are designed for in high power systems where optimal performance is required. UltraLO coated parts absorb less energy than conventionally coated lenses, offering a range of benefits to the user.

## UltraLO absorption

UltraLO coated lenses offer a market leading absorption figure of less than 0.15%.

## Maintained ultra low absorption

Hygroscopic materials have been eliminated from the coating design enabling UltraLO lenses to maintain low absorption in storage and in high humidity environments.

## High performance

UltraLO lenses will handle the same high power as conventional lenses but with less optical distortion and a smaller focal length shift.

## Longer lasting lenses

The low absorption of UltraLO coated lenses can lead to longer lens lifetimes, giving improved uptime and fewer purchases of consumables

## Red aiming beam compatible

UltraLO lenses are compatible with red aiming beams.

## Further information

For more information please view the dedicated UltraLO absorption coating website at [ultralocal.omicore.com](http://ultralocal.omicore.com) or contact us via one of the methods listed below..



1| UltraLO coated ZnSe lenses from Umicore Laser Optics

2| A selection of the UltraLO absorption coated lenses available from Umicore Laser Optics. Other UltraLO lenses available upon request.

Part Number	Lens Type	Dia.	FL	ET
15HGP127-UL	Meniscus	38.05mm	127mm	6.2mm
15HGP190-UL	Meniscus	38.05mm	190mm	6.2mm
15BYS127-UL	Meniscus	38.05mm	127mm	9.0mm
15BYS190-UL	Meniscus	38.05mm	190mm	9.0mm
15PHGP127-UL	Plano-Convex	38.05mm	127mm	7.62mm
15PHGP190-UL	Plano-Convex	38.05mm	190mm	7.62mm
VTE500-UL	Meniscus	38.05mm	127mm	7.37mm
VTE750-UL	Meniscus	38.05mm	190mm	7.37mm
20EHGP127-UL	Meniscus	50.8mm	127mm	9.6mm
20EHGP190-UL	Meniscus	50.8mm	190mm	9.6mm
20PEHGP127-UL	Plano-Convex	50.8mm	127mm	9.6mm
20PEHGP190-UL	Plano-Convex	50.8mm	190mm	9.6mm

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