

eLight



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TEXA



eLight ONE



FSV070V



TEXA eLight: anticipating change

For many years, vehicle headlights were relatively standard components. Recently, however, they have undergone rapid technological change and seen the introduction of halogen bulbs, xenon projectors and LED units. Laser technology is just around the corner.

In their quest to improve safety, vehicle manufacturers are also focusing on the concept of **"Intelligent Lighting"**, as represented by **AFS** (Adaptive Front Lighting System) and **GFHB** (Glare Free High Beam). On top of this, **headlights are now frequently connected to** other electronic systems, including **radar, camera** and **steering**. Garages and PTI centres therefore need a modern headlight alignment system capable of working with the sophisticated technology that will soon appear.

eLight is the most **advanced headlight** alignment system on the market today, and the first **with integrated electronic diagnostics**.

eLight's digital electronics use a built-in camera, a system of algorithms and integrated autodiagnosics to identify the type of headlight and to guarantee maximum precision of alignment. eLight can even produce a detailed report, based on digital analysis, for attachment to the garage worksheet, and is already fully compatible with the legislation governing PTI centres due to be introduced in 2021.

Two versions, the same excellence

TEXA eLight comes in **two versions, ONE** and **ONE-D**. The differences between them concern the level of integration of the diagnostics, and are explained in the following pages. Both versions feature a **casing made from aluminium**, a material that combines the characteristics of precision machinability, strength and light weight essential to garage operations. They both also incorporate a powerful **lithium battery** that guarantees enough autonomy for the most intensive day's work. eLight has been carefully designed for superb ergonomics and to make all kinds of headlight alignment procedure quick and easy. The generous Fresnel lens (340x200 mm) is big enough to cater for the trend towards larger and more irregularly shaped headlights, as seen on the latest models.

Integrated diagnostics, capable of identifying the type of headlight and calling up the relevant selective activation procedures, allow you to **save up to 50% in the time** needed to complete alignment procedures compared to conventional alignment systems. Where applicable, the integrated diagnostics also help by switching control units to "setting" mode.

E-LIGHT comes with a **CMOS camera** and laser visor for maximum photometric precision according to the strictest specifications of vehicle manufacturers who can demand, for example, reading accuracy of +/- 0.1% in vertically and +/- 0.2% horizontally.

The system **can also be mounted on rails**, which are available as an accessory. eLight is made in Italy to TEXA's acclaimed standards of strength and quality.





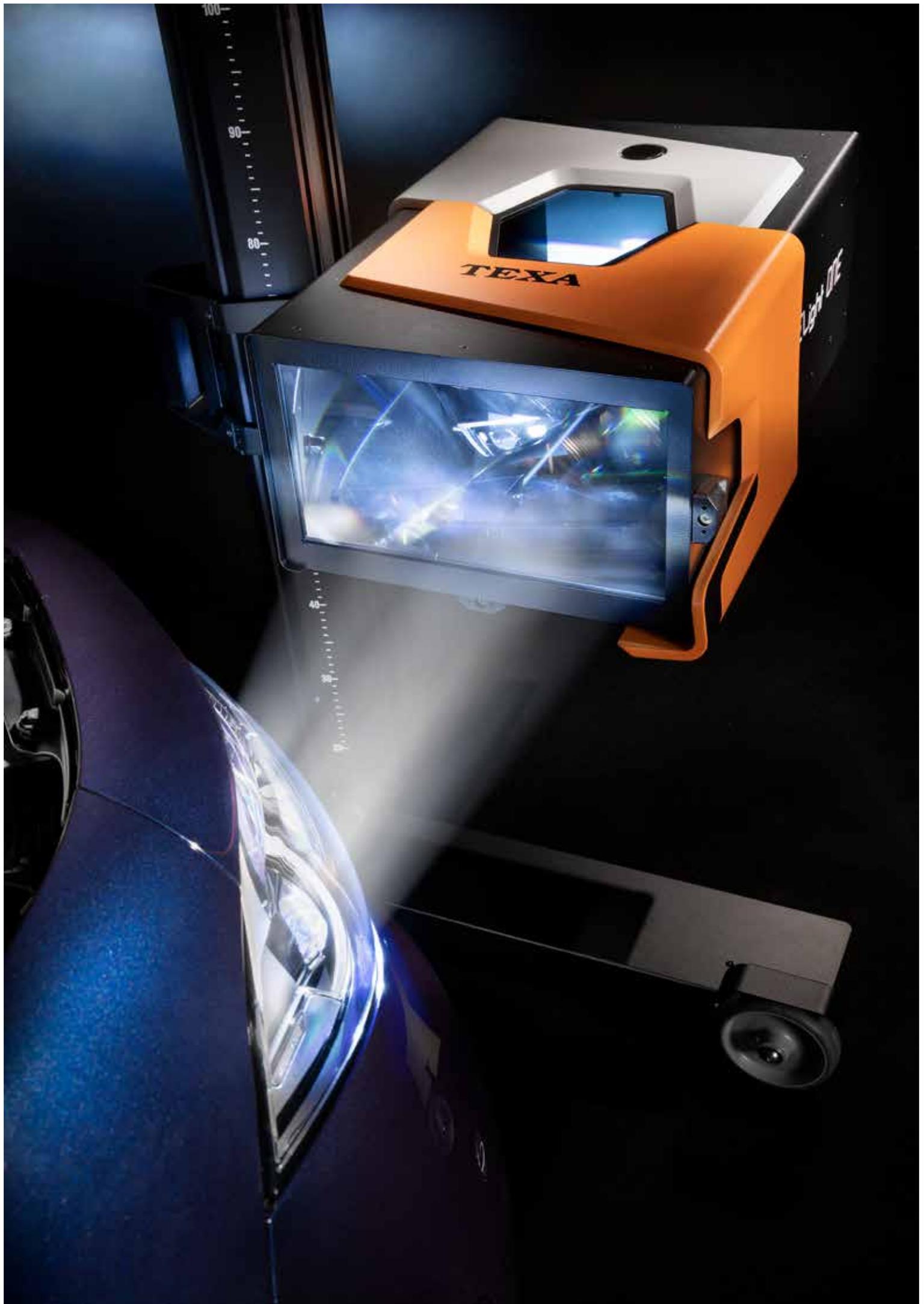
An important extra: autodiagnosics

Version **ONE** of eLight is designed to work with the **AXONE Nemo** or **AXONE 5** diagnostic tool and a TEXA Navigator interface, and adds headlight alignment functionality for garages who already own these tools.

You can use IDC5 software to extend the potential of your eLight and to dialogue with the control units of all the electronic systems connected to the headlights in order to identify errors, read parameters and change **settings** as necessary. In practice, eLight's integrated autodiagnostic functionalities are added to those of your existing TEXA diagnostic tool.

Version **ONE-D** differs in having its own **display** based on a bright **7 inch swivelling TFT touch screen**. This version can therefore serve as a stand alone tool, using its own built-in diagnostics. To extend functionality even further, however, ONE-D can also be connected to an existing TEXA diagnostic tool for use as part of an integrated system.





Technical specifications

ELECTRONICS		
Display*		7" TFT LED LCD 800 x 480
Camera		Cmos 5Mpx
MEASURING RANGE		
Top and bottom Right and left	Orientation	+8% / -8% (+800 / -800 mm)
Low beam		+10% / -10% (+1000 / -1000 mm)
High beam		+10% / -10% (+1000 / -1000 mm)
LIGHT INTENSITY		
Candela	Intensity	0 / 150 000
Lux / 1 m	Illumination	0 / 150 000
Lux / 25 m	Illumination	0 / 240
UNITS		
Intensity		Candela
Illumination		Lux / 1m ; Lux / 25m
Orientation		% - cm -°
OPERATING CONDITIONS		
Adjustment lens centre		250 / 1500 mm
Plug voltage		100 / 240 V / 50 / 60 Hz
Battery voltage		12 V
Operating temperature		5 °C / 45 °C; 41 °F / 113 °F
Air humidity		30% / 60%
STORAGE AND TRANSPORT		
Temperature		-25 °C / 45 °C; -13 °F / 113 °F
Air humidity		20% / 80%
DIMENSIONS		
770 x 730 x 1850 mm h		
CONNETTIVITY		
Bluetooth, WiFi, Ethernet		

*Only ONE-D version



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To check out the extensive coverage of TEXA products, go to: www.texa.com/coverage

To check on IDC5 compatibility and minimum system requirements, go to: www.texa.com/system

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