



Focus Lite

14" Horizontal Contour Projector®

OGP® has provided state-of-the-art optical comparators to the industrial marketplace since 1945. That tradition continues with the new Focus™ Lite 14" Horizontal Contour Projector® — an extremely high quality, rugged benchtop machine with industry-leading technologies, at an attractive price point. With Focus Lite, you always get the most for your money, with innovative features.

- **Superb optics yield images you can trust.** Focus Lite provides an included 10x lens and completely telecentric optics — an unusual feature in this price class — yielding inverted and reversed images that are crystal-clear and undistorted on the ergonomically angled 14" diameter viewing screen. Magnification lenses are internally mounted with room to store others. Unique magnification identification automatically displays the magnification of the current lens.
- **Constant working distance at all magnifications speeds setups and measurements.** Unique in its class, you can change magnification without touching your part setup — a real time saver.
- **Bright, cost effective all-LED illumination.** Focus Lite offers a world first — all-LED TruLight™ illumination — a truly innovative technology in contour projection. A high-brightness monochromatic green LED back light is standard. The ground-breaking TruLight Ringlight with its 8 white LEDs that can be switched on in six fixed directional patterns for optimal surface illumination, is available. Optional white LED TTL coaxial surface light provides unsurpassed direct surface illumination. TruLight LEDs offer variable intensities, are extremely bright, and provide consistent performance. They are also long-lived, providing up to 60,000 hours of service, and consume a fraction of the energy required for tungsten illumination.
- **Rigid cast base for metrological stability.** Focus Lite features a mineral cast base that is substantial and sturdy, providing excellent metrological stability. When the mechanics and the base are rock solid, you can trust the integrity of the measurements you get.
- **Multifunctional digital readout for geometric processing power is included.** The OGP Q-Check® Digital Readout with its dual backlit 2-line LCD displays and durable construction is designed to survive in almost any shop environment. Its geometric processing power will make quick work of tough measurements.
- **Options make Focus Lite do exactly what you want it to do.** While Focus Lite is well-equipped right out of the crate, it is also available with a number of value-added options, including extended 12" X travel; and 20x, 50x, and 100x magnification lenses. Extend its capability by customizing it to perform exactly to your requirements.



- Standard
- Optional

Focus Lite Features & Specifications

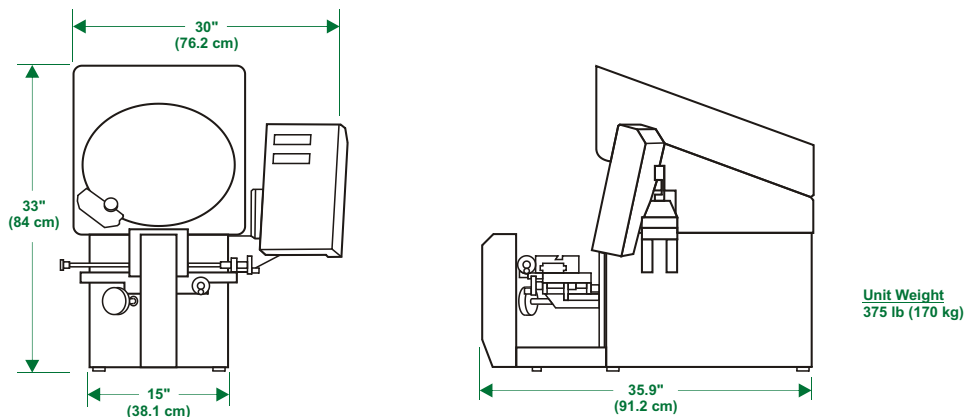
- **Viewing area:** 14" (355 mm)
 - **Screen type:** Ground glass with 90° centerlines and clips for mounting standard 14" (355 mm) overlay charts
 - **Protractor:** Digital screen display, ±360° readout with 1.0' (0.017") resolution
 - **Optical system:** Telecentric, horizontal, with inverted reversed image, constant working distance 4.5" (115 mm), 10x projection lens, automatic lens identification
 - **Lenses:** Telecentric projection lenses; 20x, 50x, 100x
 - **Lens changing:** Manual, with operator-accessible internal magnification lens storage rack
 - **Throat clearance:** 8.5" (215 mm)
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- **Illumination (TruLight™):** Backlight, bright green LED, continuously variable intensity
 - Oblique (darkfield), TruLight Ringlight with 8 white LEDs, 6 switch-selectable patterns for effective directional lighting
 - TruLight TTL surface, white brightfield LED coaxial internal, continuously variable intensity
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- **Worktable:** Hardcoat anodized aluminum with fixturing slot, 17.70" x 4.75" (450 x 120 mm), 45 lb (20 kg) load capacity
 - **Travel:** XY - 8" x 4" (200 x 100 mm); Focal - 1.5" (38 mm), with precision fine adjustment
 - Extended X axis travel - 12" (300 mm)
 - **XY Motion:** Manual, with quick release X axis and fine adjustment knobs in X and Y
 - **XY positioning:** Precision, with heavy duty cast iron substage for vertical motion and focus control
 - **XY scale resolution:** 1.0 μm (0.00004")
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- **Q-Check® geometric measuring processor:** Includes (2) 16 digit by 2 line backlit LCDs showing X, Y, and measurement results. Includes functions for inch/millimeter, Cartesian/polar, decimal degrees/dms, XY zero, skew alignment, absolute/incremental datum, point, distance, angle, width, radius, diameter, intersection, included angle, size, location, straightness, roundness, serial and parallel interfaces, and construction from previously measured features.
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- **Power requirements:** 115 vac, 50/60 Hz, 1 φ, 350 W

Options:

- Adjustable direct projection iris
- Overscreen fresnel lens (recommended for use with TruLight Ringlight and/or TTL surface options)
- Fixtures and calibration accessories
- Footswitch
- Glass and plastic chart gages
- Heavy duty cabinet stand with storage space, heavy duty cabinet with storage space & overhead light shield
- Service and support contracts

- **Warranty:** Full on-site warranty first year, parts only second year (North America only)

Made in USA



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