



O.C. White Co.

ILLUMINATING IDEAS & DESIGNS

Since 1883



Green-Lite™

BEAUTY IN TECHNOLOGY



Green-Lites™
Raising the Standard...
...Again





The Green-Lite™ series from O.C. White is the most energy efficient, highest output and longest lasting line of inspection lighting systems in the world. These exceptionally designed products offer important features and benefits available only from O.C. White.

Superior Technology

Rather than clusters of old style 5mm LED “bottles” favored by low cost overseas manufacturers, Green-Lites™ employ next generation “surface mount” LEDs that produce more light with less glare, consume less power and last longer. The light output of our 8-watt LED microscope ring light is comparable to a 150 watt halogen.

With our new Green-Lite™ LED magnifiers, there is no comparison worldwide. We have easily achieved over 4x the brightness of a standard fluorescent magnifier. The blended white 6500° Kelvin light is easy on the eyes, provides excellent shadowless lighting, and the output level is adjustable – simply and precisely – for maximum operator comfort.

Green-Lite™ products are auto-switchable, so they can be used worldwide simply by changing the end power cord.

Faster Return on Investment

Your investment in new Green-Lite™ LED technology quickly pays for itself through lower operating costs, longer lighting lifespan and improved productivity.
A lower total cost of ownership provides the greenest solution of all!

Green Long Before it was Fashionable

Since our inception, O.C. White has designed products that put light where it's needed, reducing the need to light large workspaces. We patented fluorescent dimming technology that reduces glare and consumption of electricity. Unlike our competitors, O.C. White products are built to last years and are easily repaired, if ever needed.

Green-Lite™ Advantages

- Made in the USA
- Newest LED technology
- Unrivalled energy savings
- Maximum output control
- Superior arms and holding power
- Higher magnification with greater clarity
- ESD safe and RoHS Compliant
- Faster return on investment
- 5 year/ 50,000 hour pro-rated LED warranty
- Lower total cost of ownership
- 10 Year Mechanical Warranty...

Best in the Business



Made in the U.S.A.



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Patent Pending

Green-Lite™

Equipped with next generation, surface mount LEDs, these innovative designs create the new standard for illuminated magnifiers.



Made in the U.S.A.

**7" x 5.25"
Rectangular
LED Magnilite®**



82400-4-B
(Shown in Carbon Black)

**7" x 5.25"
Rectangular
LED Magnilite®**



82400-4
(Shown in optional Blaze Red finish)

Lighting Features

- 4x the lumen output of a standard magnifier
- Reduced glare, heat and energy consumption
- Multi-angle LEDs for shadowless lighting at a full range of focal lengths and heights
- User controlled LED groups shine desired level of light exactly where required
- Superb dimming software via convenient, reliable membrane switch
- Built in energy management system & lighting timer

Optical Features

- Precision ground, crown white optical grade glass
 - Largest lenses in the industry
 - Standard 4 Diopter (2x) lens – **O.C. White exclusive!**
 - Optional 5 Diopter (2.25x) lens on round models
 - Three lens sizes to choose from
 - 7" x 5.25" rectangle
 - 7.5" round
 - New 6" round with a 44% larger viewing area than competitors 5" round magnifiers
- O.C. White exclusive at no extra charge!**

Standard Finishes:

Shadow White Carbon Black



Optional Finishes:

Blazing Yellow Brilliant Orange Spectre Blue Blaze Red Racing Green Silver Charcoal Mist Medical White



LED Magnifiers

Your investment in new technology quickly pays for itself through energy savings. **Proudly Made in the USA.**



62400-4-B
(Shown in Carbon Black)

**7.5" Round
LED Big Eye™
Magnilite®**



62400-4
(Shown in optional
Brilliant Orange finish)



42400-4
(Shown in optional
Spectre Blue finish)

**6" Round
LED Magnilite®**



42400-4
(Shown in Shadow White)



Made in the U.S.A.

Electrical Features

- Low voltage (15v) power supplies are auto-switchable with worldwide approvals
- IEC plug design allows for simple plug-and-play cord change anywhere in the world
- Auto shut off at 4 hour, 5 minute intervals to prevent energy waste while users are away (user activated after delivery)
- All models shown are ESD safe

Mechanical Features

- High quality die cast aluminum shades and all steel arm components for ESD safety
- Patented "Elite" arms are slim but have the greatest holding power of any arm of this type in the world
- Standard 43" arm reach

Warranty

- 5 years/ 50,000 hour pro-rated LED warranty
- 10 year mechanical warranty...**Best in the Business**



Patented

Vision-Lite® Dimmable Fluorescent Magnifier

The largest and clearest magnifier on the market features excellent image clarity, lighting control and energy efficiency. **Proudly Made in the USA.**

Our original Green-Lite™! The Vision-Lite® is the world's first and only dimmable fluorescent illuminated magnifier. "Patented" state-of-the-art microchip controlled ballast technology allows the Vision-Lite® to be dimmable from 100% down to 25%, so that highly reflective surfaces can easily be seen by dimming the units exclusive high output three-sided bulb. **Patent #5,757,142**



The Vision-Lite® is available in two arm lengths, with various mounting styles to choose from. ESD Safety and unrivaled warranties are but only a couple of the best attributes. You cannot find a stouter magnifier anywhere!

- Made in the USA
- ESD safe and RoHS Compliant
- Patented dimming technology for precise output control from 100% to 25%
- Shadowless wrap-around T5 bulb for uniform lighting at any level
- Crown white optical grade glass for highest resolution images
- 7.5" x 6.25", 3 Diopter (1.75x) lens
- Rugged all metal construction
- Table edge clamp standard with other mounting options available
- 10 Year Mechanical Warranty...**Best in the Business**
- Also available in 230v (50hz)



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Big Eye™ T5 Fluorescent Magnifier

When it comes to magnifiers, Big Eye™ has been one of the most popular models since its inception. Industrial quality construction, superb optical characteristics, and now with our new electronic ballast, energy efficient slim bulb technology... The Big Eye™ is head and shoulders above the rest. **Proudly Made in the USA.**



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Made in the U.S.A.

**Big Eye™
52400-4-B**
(Shown in Carbon Black)



Our famous Big Eye™ is one of our largest Magnilites®! The crystal clear 7.5" diameter lens is made of optical quality glass. Configured standard with our new 4 Diopter (2x) lens, but also available with a 5 Diopter (2.25x) optical quality lens. The Big Eye™ has all metal construction, which affords ESD safety by design. The slim, spun aluminum shade provides low profile viewing, with superb weight savings.

The new slim T5 bulb allows the Big Eye™ to provide more light to the work surface, with less power consumed than ever before! Like all O.C. White models, the Big Eye™ is easily positioned on our specialized Ultraflex® armatures, for precision placement, and superb holding power over time. See why the Big Eye™ leads the world in quality and viewing area compared to other smaller, round magnifiers.

- Made in the USA
- ESD safe and RoHS Compliant
- Crown white optical grade, 7.5" round lens for highest resolution images
- Shadowless 10", slim T5 bulb for uniform lighting at any level
- 4 Diopter (2x) standard, 5 Diopter (2.25x) optional **O.C. White exclusive!**
- Rugged all metal construction
- Table edge clamp standard with other mounting options available
- 10 Year Mechanical Warranty...**Best in the Business**





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Exclusive ESD Safe Ergonomically

Our newest family of microscopes, the Ergo-Zoom™ series utilizes a common main objective optical design. Standard models are paired exclusively with ergonomically adjustable eyepieces!



Ergo-Zoom™ Adjustable Stereo-Zoom

TKEZ-850-LV2

Ergo-Zoom™ Binocular Package on Ball Bearing Base with LV2000-B LED Ring Light

The Ergo-Zoom™ series from O.C. White is setting the new standard for inspection performance. The Ergo-Zoom™ series comes in three magnification levels, and is completely modular so accessories can be added as you see fit.

Our Ergo-Zoom™ series is based around a common main objective optical design, which offers a crisper, distortion free image, as well as a much flatter field of view. The end result is the highest quality image you can achieve out of a microscope. Combine these excellent optical characteristics with the ergonomic adjustment, and large range of features, and you have a microscope series that is at home in any industry.

O.C. White exclusively offers ergonomically adjustable eyepieces standard. No one else in the world offers this, it is always an upgrade. The eyepieces are adjustable from 0 to 35° on the fly, and are useable anywhere in between. This adjustment allows for total microscope manipulation.



Angular Adjustment Standard on all Ergo-Zoom™ Microscopes

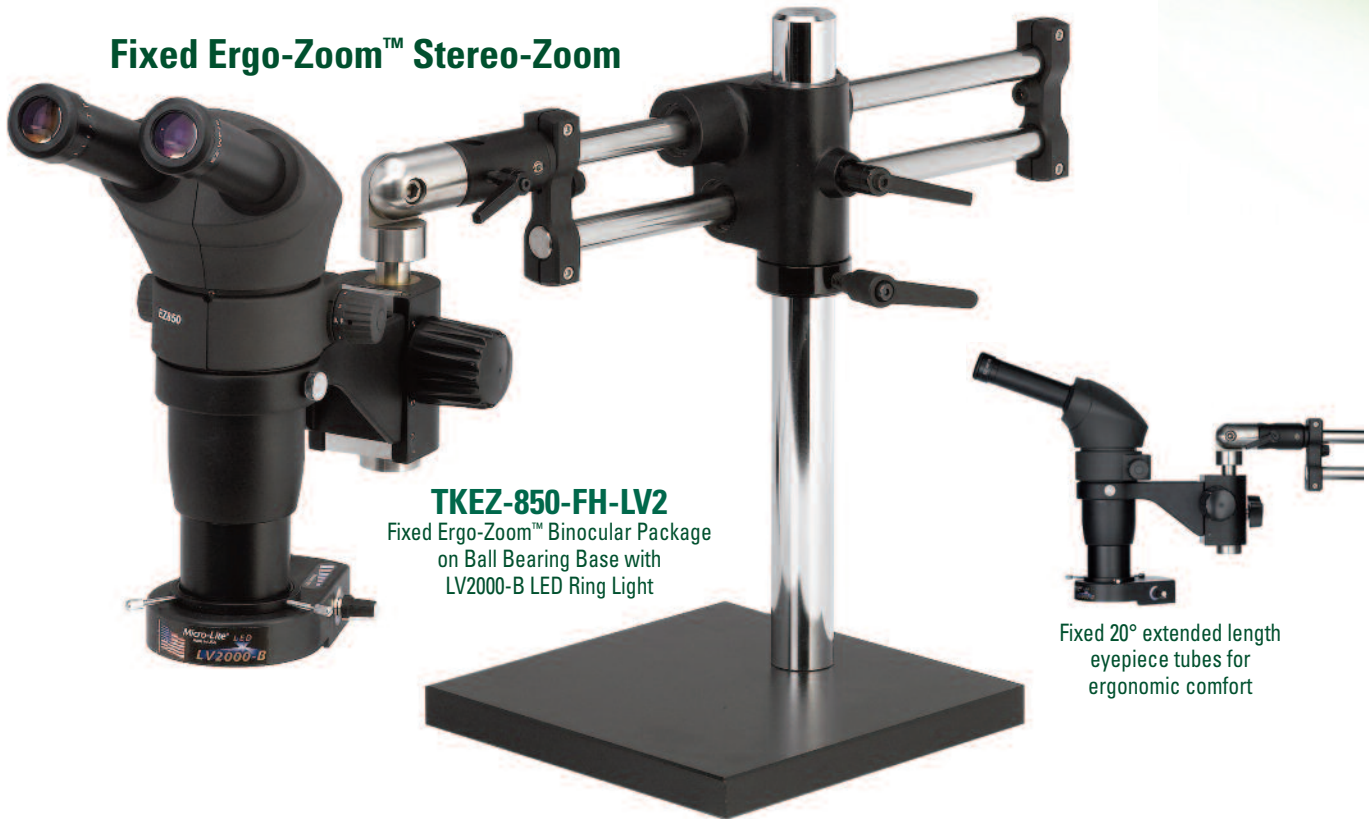
Adjustable Microscope Systems

No one else can bring you such value, performance, and versatility, all in one package... at an extremely competitive price!

- ESD Safe and RoHS Compliant
- Eyepieces adjust from 0 to 35° on the fly for total comfort
- Ideal for operators who use a microscope all day long
- Three standard magnification zoom levels (with 1x lens):
 - EZ-850 8-50x Mag. (up to 200x with options)
 - EZ-864 8-64x Mag. (up to 256x with options)
 - EZ-880 8-80x Mag. (up to 320x with options)
- Large selection of eyepiece and objective options
- Stainless steel ball bearing glide arms provide smooth movement and precise placement
- Striking matte black ESD safe coating
- Can be configured as standard binocular, trinocular, or dual trinocular microscope due to modular CMO design
- Analog and digital imaging packages available
- Unequalled quality at a very reasonable cost
- 5 Year Mechanical Warranty
- 230v versions available, consult factory



Fixed Ergo-Zoom™ Stereo-Zoom



TKEZ-850-FH-LV2

Fixed Ergo-Zoom™ Binocular Package
on Ball Bearing Base with
LV2000-B LED Ring Light

Fixed 20° extended length
eyepiece tubes for
ergonomic comfort

The Ergo-Zoom™ series comes in three standard magnification levels; 8-50x, 8-64x, and 8-80x. Optional eyepieces and objectives are available to increase these ranges up to 320x. As this microscope series is modular, any of the three microscope configurations can be converted into a trinocular microscope with the addition of the EZ-Splitter. No longer is your microscope 'obsolete' when you need to expand the microscopes capabilities!

Also available with this series is the new fixed 20° eyepiece head. The combination of long eyepiece tubes, and shallow angle, provide superb ergonomic comfort and performance. No other microscope series affords such functionality and interchangeability options.

Ergo-Zoom™ Trinocular Microscopes Systems

No longer is your microscope 'obsolete' if you decide to add video inspection capabilities down the line. With choice of single or dual monitor support, the Ergo-Zoom™ series is the most flexible on the market!

Only the highest quality digital cameras will work with microscopes of this caliber. O.C. White offers two digital cameras, each featuring a sophisticated, yet easy to use interface. The standard digital camera is 2.0MP (1600 x 1200), and our optional model is 3.1MP (2048 x 1536). The small form factor of our cameras allows for maximum clearance beneath above-bench shelving, and simple USB2.0 plug and play design allows for near universal installation on any PC or laptop.

Past the powerful specifications of our cameras, the heart of the digital inspection package is our user friendly Image Acquisition and Measurement software suite.

Included standard with either resolution digital camera, this suite features a very intuitive GUI, and has a host of standard features:

- Still Image Capture
- Video Capture
- Measurement (featuring 13 measurement parameters)
- On Screen Reticle with full calibration performance out to six decimal places
- On Screen Annotation and Symbol placement
- Split Screen capability as well as Picture-in-Picture functionality



Computer not included



TKEZ-850-LV2

Shown with Optional Single Trinocular Beam Splitter and Digital Inspection Package



TKEZ-850-FH-LV2

Shown with Optional Single Trinocular Beam Splitter and Analog Inspection Package



For production use, the Analog Inspection variation of our Ergo-Zoom™ microscope is among the best. We feature a superb 19" High Definition LCD monitor, as well as crystal clear 1/2" high sensitivity color analog camera. As we use only name brand components of the highest caliber, our optical performance cannot be matched.



Computer not included



TKEZ-850-LV2

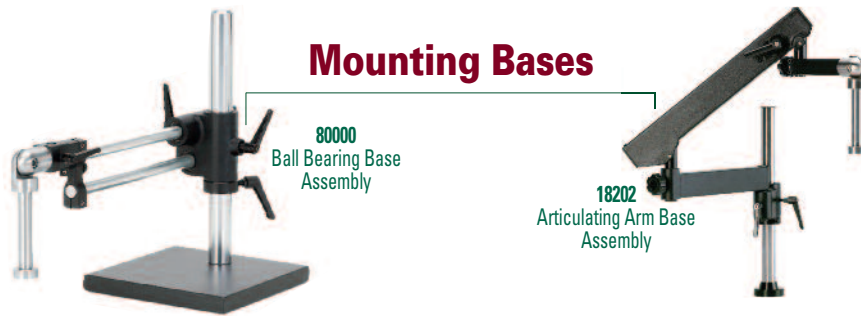
Shown with Optional Dual Trinocular Beam Splitter and Both Analog and Digital Inspection Package



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Ergo-Zoom™ Microscope Configuration Chart

Mounting Bases



Optical Components



Imaging Accessories

Please Consult Factory for Imaging Options

Illumination





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Industry's First and Only "Green"

OC White Pro-Zoom™ Microscopes

The Pro-Zoom™ family of microscopes provides the largest standard working distance, largest magnification range, and largest eyepieces available on a stereo zoom microscope. The Pro-Zoom™ microscopes outperform the competition, even those at double the cost! There truly is no equal.

The Pro-Zoom™ series of Binocular and Trinocular microscopes are the highest performing stereo microscopes on the market. With a standard magnification range of 5-65x, and an optional range of up to 390x, there is no inspection task this microscope can't tackle. Due to the design, it also affords the largest standard working distance from any manufacturer. Our trinocular model, PZT-6.5 is a "true" trinocular. What this means is that you do not lose any functionality of eyepieces when using the video port. Low end import competition forces you to choose.. both eyepieces or one eyepiece and video.

The ESD safe design of this microscope is due to all metal construction. Many imported microscopes include molded plastic components, or topical ESD coatings that will degrade over time. The Pro-Zoom™ series is ESD safe by construction, and will stay ESD safe over its lifetime.

- ESD Safe and RoHS Compliant
- Standard magnification range 5-65x (up to 390x with options)
- Microscope and base assembly features all metal construction
- 190mm of working distance with .5x objective lens
- Super wide 28mm high eye point and wide field eyepiece
- Eye tube inclination of 45°, and main body can be rotated 360° in holder



TKPZ-LV2

Pro-Zoom™ 6.5 Binocular Package on Ball Bearing Base with LV2000 LED Ring Light

- ±6 Diopter adjustments on eyepiece tubes
- Interpupillary distance adjustment range is 52mm~76mm
- Trinocular package includes .3x CCD adapter
- Choice of analog or digital inspection packages
- Heavy duty ball bearing glide arm base assembly standard
- 5 Year Mechanical Warranty
- 1 Year Electrical Warranty



TKPZT-LV2

Pro-Zoom™ 6.5 Analog Trinocular Package with LV2000 LED Ring Light



TKDPZT-LV2

Pro-Zoom™ 6.5 Digital Trinocular Package with LV2000 LED Ring Light

Computer not included



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For the Trinocular model, we have both analog and digital imaging packages. For the analog configuration, we include a superb high sensitivity color analog camera, along with slim 19" LCD screen. This is the perfect configuration for day to day inspection purposes. We also offer

a digital imaging package, that utilizes a 2.0MP digital camera, with robust software suite that features live image viewing, still image capture, video capture, measurement, and a whole host of other features. Whichever way you go, you are sure to get incredible performance, for an incredible price.



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ESD Safe Microscope Systems

Prolite® Stereo-Zoom Microscopes

The Prolite® family of microscopes combine durability, performance, and low cost in a way that can only truly be appreciated when used... and used hard! This workhorse of a microscope has all of the magnification performance of much more expensive microscopes, with the rugged dependability that we have hung our hat on for over 127 years.

Standard throughout all O.C. White microscope packages, is our heavy duty, double ball bearing arm base assembly. This rugged piece provides effortless motion across the work surface, while maintaining pinpoint accuracy once locked. It also comes standard with a grounding provision on the rear of the base.

The Stereo-Zoom series from Prolite® has a standard magnification range of 7-45x, ESD safety, and a robust build that rivals much more expensive microscopes. With optional lenses and eyepieces, this microscope series can reach up to 225x. With incredible reliability, many optional lenses available, and numerous configurations, you are tough pressed to find a configuration that won't fit your needs.



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TKSZ-LV2

Prolite® Stereo-Zoom Binocular Package
with LV2000 LED Ring Light



TKSZ-FA-LV2

Prolite® Stereo-Zoom Binocular Package
on Articulating Arm with LV2000-B LED Ring Light

- ESD Safe and RoHS Compliant
- All metal construction
- Standard magnification range 7x - 45x
- With optional accessories, can achieve up to 225x
- Superb large 22mm 10x eyepieces
- ± 5 Diopter adjustments on eyepiece tubes
- Heavy duty ball bearing arm base assembly standard
- Eye tube inclination of 45°, and main body can be rotated 360° in holder
- .5x Aux. lens included standard
- Excellent resolution
- 90-250mm working distance depending on objective used
- 5 Year Mechanical Warranty

Macro Zoom™ Video Inspection Package

The Macro Zoom™ Video Inspection packages are uniquely qualified to inspect anything. This specialized lens system afford both high magnification, up to 60x, as well as the unique ability to allow for 12+” of working distance. You cannot find such versatility anywhere else.

The most innovative lens inspection system on the market! Our Macro Zoom™ video inspection system affords high magnification, as well as the ability to capture huge fields of view and large working distances. No other product can compare.

Our variable focal lens system allows for ‘on the fly’ focus adjustment. Simply position the lens at the exact working distance you require, and with a simple turn of the lower focal body, your lens is focused for precision inspection. Constructed with an adjustable aperture control, not only does this lens excel in low light situations, it can also be adjusted for increased contrast and reduced glare.

Included standard with this package is our ‘close up’ (under 12” WD) lens. At distances above 12”, you simply remove the ‘close up’ lens from the lower side of the package, and allow the lens to use ambient light for its illumination. With our sophisticated imaging accessories, you are assured quality images.



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Computer not included



TKDMACZ-LV2
Macro Zoom™ Digital Inspection Package
on Ball Bearing Base with
LV2000 LED Ring Light

TKMACZ-FA-LV2
Macro Zoom™ Analog Inspection
Package on Articulating Arm with
LV2000-B LED Ring Light



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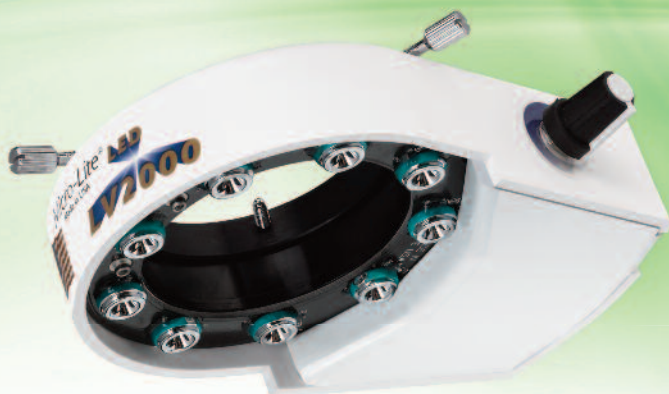
Past the powerful specifications of our cameras, the heart of the digital inspection package is our user friendly Image Acquisition and Measurement software suite. Included standard with either resolution digital camera, this suite features a very intuitive GUI, and allow has a host of standard features:

- Still Image Capture
- Video Capture
- Measurement (featuring 13 measurement parameters)
- On Screen Reticle with full calibration performance out to six decimal places
- On Screen Annotation and Symbol placement
- Split Screen capability as well as Picture-in-Picture functionality



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Micro-Lite® LED Illumination



LV2000



LV2000-B

Micro-Lite® LED Illumination

Perfection? We think so. Our LV2000-B satisfies three of the largest complaints about microscope illumination... long life span, low operating costs, high lumen output. Combined with the fact that it is ESD Safe, there is no reason to buy any other LED ring light! **Proudly Made in the USA.**

The Micro-Lite® LV2000-B (Black) is our newest ring illuminator. It features the newest surface mount LED technology that is paired with our exclusive design criteria, to make the highest performance, longest operating, lowest cost LED ring illuminator sold today! The days of having to buy replacement bulbs are a thing of the past!

Our ESD Safe LV2000 series features instant-on performance, with zero flicker. It is fully dimmable, from 100-5%, with an integrated dimming switch on the shade. Our exclusive design also allows for all circuitry to be hidden inside the shade. All other competitors rely on desktop controller boxes for their dimming units... another Micro-Lite® advantage!

Our exclusive heat management system ensures supreme light output, for many years to come. The special thermal transfer system quickly and efficiently cools the LED array, for the longest life span in the industry. We are the only manufacturer to invest such extensive time and money into the development of the world's best LED ring illuminator.

- Made in the USA
- ESD Safe and RoHS Compliant
- Flicker free and dimmable from 100 – 5%
- 120-240v (50/60hz) auto switchable power supply with worldwide approvals (cord change required)
- 2.35" (60mm) mounting ring diameter - 66mm mounting optional
- 9 LED surface mount array with exclusive thermal management system
- No bulky desktop controller box
- Black molded ESD certified safe shade (ESD safe white shade also available)
- Optional adapters available for most microscopes on the market today
- 5 Year/ 50,000 Hour Pro-Rated Warranty



Made in the U.S.A.

Ultraflex® LED Machine Lighting

Long Life, High Output, and Flexibility meet in these adjustable LED work lights. For precision illumination, you cannot go wrong with these Ultraflex® LED Arrays. Available in eight styles, they are setting the new standard.

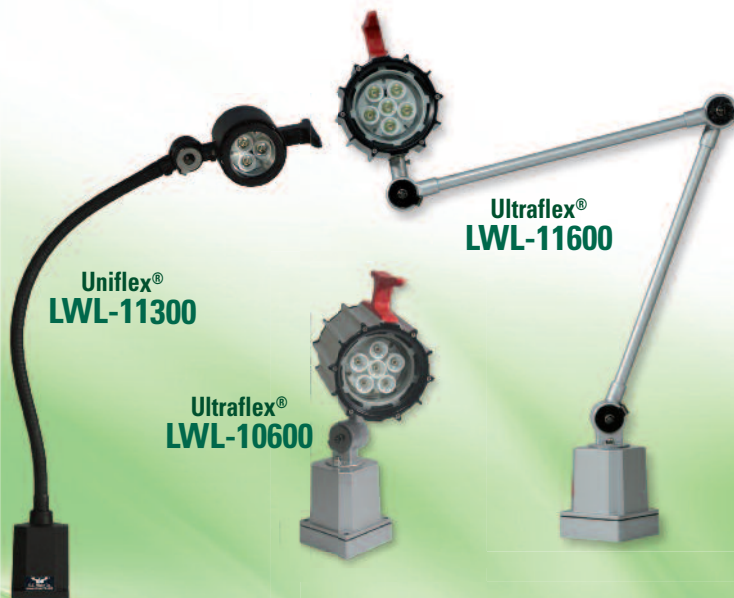
For any machine illumination application that demands the highest spot-light intensity as well as near limitless positioning possibilities, while operating in the most challenging work environments, our Ultraflex® LEDs are up to the task. Our Ultraflex® 6 spot LED features a 18W LED array, that has a total output of 975 lumens. These fixtures are rated IP65, and featured a sealed design for no impingement of water, synthetic, and petroleum based fluids.

Available in both articulating arm, and 'head only' configurations, you have options for installation. The electronic transformer is built into the base for protection, and is easily accessible through the underside of the lamp. The 120v version features a 3 prong grounded plug. The 24v DC versions are shipped with wire leads for direct connection to your machine.

- 120v or 24v DC
- 6 ft., 3 prong molded cord
- Two arm styles available
- 18w LED array
- CE certified
- Total light output:
 - 975 total lumen (10600 and 11600 series)
 - "No heat" spot lights
- Built in electronic transformer
- IP65 impingement rating
- Mounting holes included in base standard
- 1 Year Electrical Warranty



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OC White Fluorescent Longline™ Linear Machine Illumination

Now offering our fluorescent linear machine tool illumination products with high output, dual slim T5 bulbs for reduced energy costs, supreme light output, and long life spans.

The Fluorescent Longline™ series is our newest linear illumination offering. These fixtures can be used retrofitted into any existing light application. They are offered in three distinct lengths, as well as offered in two voltage styles. Compared to other models on the market, our Longline™ linears use less energy, and have much longer expected life spans.

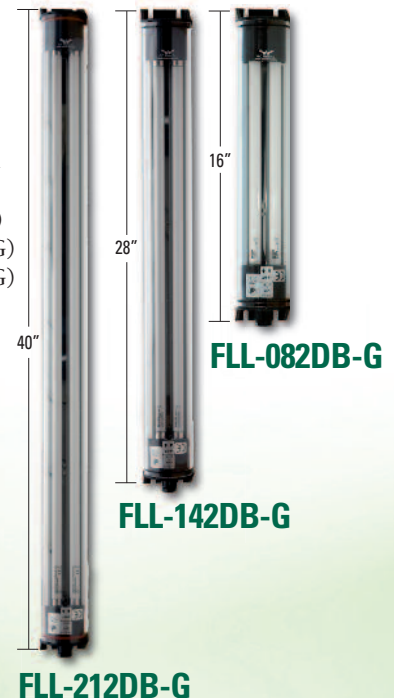
These Longline™ linears come standard with borosilicate glass protective lens. These are perfect for use in and around harsh chemicals, as they will not blur and fade over long term exposure. The Longline™ linears are also IP67 rated. These linears come with three different bulb wattages, based on overall fixture length. The ballast is "hidden" behind the dual T5 fluorescent tubes, to allow for total light coverage from end to end. No longer do you have to sacrifice light on one end, to hide a ballast.

These fixtures are CE certified, and are available in your choice of 120v or 24v DC. Each light includes end mounting feet standard. These allow for solid mounting on any flat surface. We also have (4) Four mounting bracket choices, for almost any mounting configuration you can think of.

- 120v or 24v DC
- 6 ft., 3 prong molded US plug
- Three lengths available
- Equipped with new slim T5 HO bulbs
- CE certified
- Non-strobing electronic ballast
- Total light output:
 - 940 total lumen (FLL-082DB-G)
 - 2700 total lumen (FLL-142DB-G)
 - 4200 total lumen (FLL-212DB-G)
- Long service life up to 20,000 hours
- Borosilicate glass tube
- Mounting ends included standard
- 1 Year Electrical Warranty



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