

FIRST LIGHT™



UV Fluorescent Screen Exposure System

FEATURES

- Maximum screen frame size 58 x 79 cm (23" x 31")
- High-output UV fluorescent screen exposure lamps
- Ideal for startup manual screen printing shops and as an upgrade from home-made screen exposure units

First Light is NuArc's versatile and affordable tabletop UV fluorescent screen exposure unit. With its convenient and economical approach to direct screen exposure, First Light is the perfect unit for startup manual screen printing shops, and it's ideal for small screen printers looking to upgrade from home-made screen exposure units. First Light's five high-output UV fluorescent lamps save energy costs, reduce screen exposure time, and speed up production. First Lights expose direct, capillary, and indirect emulsions.

The specially designed vacuum system features high-speed drawdown, ensuring intimate film-to-screen contact without damage to blanket or glass. First Light's LED timer with digital readout ensures accurate exposures and fast exposure times. First Light UV screen exposure units can be located in areas housing unexposed screens because the ultraviolet light source and vacuum frame are enclosed, and the screen exposure lamp can't be turned on while the blanket frame is open.



M&R is the world's largest manufacturer of screen printing equipment, and the online M&R Store features a wide variety of genuine M&R OEM parts and screen printing supplies. The NuArc line includes CTS computer-to-screen exposure systems, UV screen exposure units, lithographic imaging systems and freestanding vacuum frames. All equipment from The M&R Companies is built with M&R's unsurpassed attention to detail and commitment to quality, durability, innovation, and design excellence, and is backed by M&R's unparalleled 24-hour access to service, support, and premium parts.

STANDARD FEATURES

BLANKET & VACUUM

- Exceptionally flexible and resilient material ensures intimate contact
- Gas shocks simplify blanket frame opening and closing
- Oil-free pump is fast, quiet, and efficient

CERTIFICATION

- CE & UL compliant: Built to specifications established by the European Committee for Standardization® (CE) and Underwriters Laboratories® (UL)

DESIGN & CONSTRUCTION

- Fully-enclosed, heavy-duty all steel cabinet
- LED timer with digital readout ensures accurate screen exposure times
- Light-Loc™ automatically turns off the screen exposure light source if the door is opened
- Optically clear plate glass
- Self-contained design speeds production by allowing placement in light-safe screen-coating rooms
- Ships fully assembled and ready to deploy

LIGHT SOURCE FOR SCREEN EXPOSURES

- Five high-output UV fluorescent screen exposure lamps
- UV fluorescent screen exposure lamps excel on all emulsions: direct, capillary, and indirect

SCREEN EXPOSURE AREA

- 58 x 79 cm (23" x 31") maximum screen frame size

WARRANTY, SERVICE & SUPPORT

- 24-hour hotline is staffed 365 days a year
- Access to M&R's Training Center
- M&R OEM parts—including genuine M&R pallets & platens—and screen printing supplies are available online at store.mrprint.com
- One-year limited warranty excluding blanket, glass, and screen exposure lamps

SPECIFICATIONS

	First Light
Electrical Requirements ¹	110 V, 1 ph, 7 A, 60 Hz, .77 kW 208/230 V, 1 ph, 1.6/1.4 A, 50 Hz, .33 kW
Maximum Screen Frame Size	58 x 79 cm (23" x 31")
Overall Size (H x W x D)	20 x 107 x 86 cm (8" x 42" x 34")
Shipping Weight	68 kg (150 lb)
Vacuum Frame Size	73 x 94 cm (29" x 37")
Wattage	150 watts

¹ If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly. Other electrical configurations are available: Contact The M&R Companies for details.

OPTIONS

REPLACEMENT SCREEN EXPOSURE LAMPS

- UV fluorescent screen exposure lamp: Part Number VE1219

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MEGA-LIGHT™

UV Fluorescent Screen Exposure System

FEATURES

- Maximum screen frame size
78 x 102 cm (31" x 40")
- High-output UV fluorescent screen exposure lamps
- Ideal for startup manual screen printing shops and as an upgrade from home-made screen exposure units

Mega-Light is the versatile and affordable direct screen exposure system that's perfect for any startup manual screen printing shop and for small screen printers looking to upgrade from home-made screen exposure unit. Available as a tabletop model or as an optional stand-mounted screen exposure unit, Mega-Light offers a convenient, economical approach to direct screen exposure. Eleven high output UV fluorescent screen exposure lamps save energy costs, reduce screen exposure time, and speed up production. Mega-Light screen exposure units expose direct, capillary, and indirect emulsions. Mega-Light's LED timer with digital readout ensures accurate screen exposures and fast exposure times. Two additional lamps allow Mega-Light to double as a light table.

The specially designed vacuum system features high-speed drawdown, ensuring intimate film-to-screen contact without damage to blanket or glass. Mega-Light can fit through any standard-size door when detached from the optional floor stand. It can be located in areas housing unexposed screens because the screen exposure light source and vacuum frame are completely enclosed, and the



screen exposure lamps can't be turned on while the blanket frame is open. Mega-Light can be combined with M&R's Tri-Loc® Rapid Registration System for fast, accurate screen exposures and on-press registration.

M&R is the world's largest manufacturer of screen printing equipment, and the online M&R Store features a wide variety of genuine M&R OEM parts and screen printing supplies. The NuArc line includes CTS computer-to-screen exposure systems, UV screen exposure units, lithographic imaging systems and free standing vacuum frames. All equipment from The M&R Companies is built with M&R's unsurpassed attention to detail and commitment to quality, durability, innovation, and design excellence, and is backed by M&R's unparalleled 24-hour access to service, support, and premium parts.

STANDARD FEATURES

BLANKET & VACUUM

- Exceptionally flexible and resilient material ensures intimate contact
- Gas shocks simplify blanket frame opening and closing
- Oil-free pump is fast, quiet, and efficient

CERTIFICATION

- CE & UL compliant: Built to specifications established by the European Committee for Standardization® (CE) and Underwriters Laboratories® (UL)

DESIGN & CONSTRUCTION

- Fully-enclosed, heavy-duty all steel cabinet
- Functions as a light table
- LED timer with digital readout ensures accurate screen exposure times
- Light-Loc™ automatically turns off the screen exposure light source if the door is opened
- Optically clear plate glass
- Removable covers provide easy access to components to clean or replace any serviceable item
- Self-contained design speeds production by allowing placement in light-safe screen-coating rooms
- Ships fully assembled and ready to deploy

LIGHT SOURCE FOR SCREEN EXPOSURES

- High-output UV fluorescent screen exposure lamps: 11 for exposure and 2 for light table use
- UV fluorescent screen exposure lamps excel on all emulsions: direct, capillary, and indirect

SCREEN EXPOSURE AREA

- 78 x 102 cm (31" x 40") maximum screen frame size
- Compatible with the Tri-Loc® Rapid Registration System from M&R

WARRANTY, SERVICE & SUPPORT

- 24-hour hotline is staffed 365 days a year
- Access to M&R's Training Center
- One-year limited warranty excluding blanket, glass, and lamps

OPTIONS

DESIGN & CONSTRUCTION

- Heavy-duty floor stand

REPLACEMENT SCREEN EXPOSURE LAMPS

- UV fluorescent screen exposure lamp: Part Number VE1219
- White Fluorescent Inspection Lamp: Part Number VE83

SPECIFICATIONS

	Mega-Light
Electrical Requirements ¹	110 V, 1 ph, 7.5 A, 60 Hz, .82 kW 208/230 V, 1 ph, 2.7/2.4 A, 50 Hz, .56 kW
Maximum Screen Frame Size	78 x 102 cm (31" x 40")
Overall Size (H x W x D) ²	20 x 124 x 99 cm (8" x 49" x 39")
Shipping Weight	124 kg (273 lb)
Vacuum Frame Size	84 x 107 cm (33" x 42")
Wattage	330 watts

¹ If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly. Other electrical configurations are available. Contact The M&R Companies for details.

² Height with optional floor stand: 104 cm (41")



The M&R Companies
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