UNILUX

LOL–40 IV

The all new LOL-Style-IV combines the benefits of six different LOL-Style-III models into one. We doubled the power output making it 50% brighter than any other unit in its class. Not only does it provide the brightest light, it also provides the most even illumination of your entire web up to 1.8 meters wide, without hotspots, for fine detailed inspection. With the enhanced features and hands-free auto tracking, there is no other light that comes close to its performance.

Full web, 100% inspection

Immediate knowledge of problems

Significant waste reduction

Automatic line speed tracking

New Features

• Double the output – 2400 lux
• X2÷2 Harmonic buttons
• LED readout in mm or inches
• Super fine digital rate control
• Air cooled lamp for longer life
• Each unit is remote ready

The LOL-40 IV Advantage

• Installs anywhere
• Interconnect up to 5 units
• Auto line speed tracking
• Self contained design
• Operates on universal voltages 90-250v

Applications

PRINTING: Printing, slitting, rewinding, embossing

CONVERTING: UV printing and coating inspection, laminating

METALS: Galvanizing, bridle rolls, paint lines, aluminum foil

FILM: Printing, coating, metalizing

Specifications

POWER INPUT
- Any voltage from 90 to 250 VAC, 50/60 Hz
- LITH-O-LIGHT 20: 200 VA max
- LITH-O-LIGHT 40: 400 VA max

TRIGGERING
- Pulse Source: +2.5 V pk min, zero based pulse, 100µsec min pulse width, 10 kohm input impedance
- Current Sink: 12 VDC @ 1.2 mA

TRIGGER SUPPLY
- Regulated 12 VDC, current limited at 100 mA available at the "TR" connector

TRIGGER OUTPUT
- Open collector for driving second unit (slave unit)

INTENSITY OUTPUT
- Control signal for intensity control of second unit

ENERGY OUTPUT
- 2.5 joules/flash maximum

LIGHT OUTPUT
Illumination
- 2400 Lux (200 foot candles) at 0.3 meters (1 foot) 100% intensity and maximum flash rate

Flash Duration
- 10 microseconds
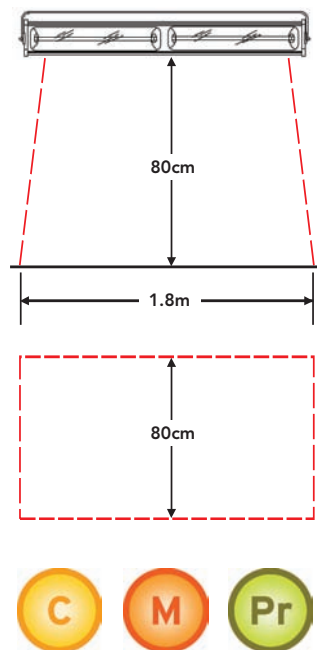
Intensity Levels
- 35%, 50%, 75% and 100%

PHYSICAL
Without Yoke
- LITH-O-LIGHT 20: 15 cm x 16 cm x 51 cm, 6.4 kg (6 in x 6-1/4 in x 20 in, 14 lbs)
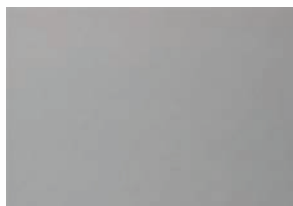- LITH-O-LIGHT 40: 15 cm x 16 cm x 102 cm,12.8 kg (6 in x 6-1/4 in x 40 in, 28 lbs)

Environmental
- Continuous operating temperature range: 0°C to 40°C (32°F to 104°F)
- Humidity: 95% noncondensing
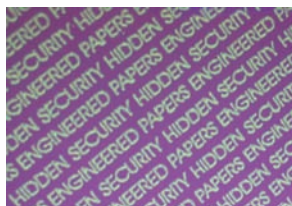
80cm

1.8m

80cm

UV ILLUMINATION

Our UV illumination strobe kits allow inspection at full-production speed of security print, coatings, sealers and incandescent inks. Using either our manual controls or external signals for perfect synchronization to line speed, UNILUX has a light to fit any application.

Web inspection without UV lens

Web inspection with UV lens

"AUTO" HANDS-FREE FEATURE

The Lith-O-Light III Series incorporates a special feature, exclusive with UNILUX, for printing, slitting and rewinding operations that enables the user to set the flash rate only once for a production run. Once the rate is set and the "AUTO" button is pushed, the flash rate will remain "locked" to the printed repeat regardless of changes in web speed.

MICRO CONTROLLER

Allows selection of four fixed-intensity settings: 35%, 50%, 75% and 100% of full brightness. The internal/manual rate adjustment is a 10-turn (3600°) precision control with end stops. The MICRO has one preset for the hands-free auto mode operation.

ROTARY PULSE GENERATOR

With its soft rubber wheel, the Rotary Pulse Generator is designed to ride on the web material or a roller that exactly follows the speed of the web.

To find a UNILUX represenative near you, call 1-800-522-0801 or go to www.UNILUX.com