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http://www.optemintl.com/LampLink2.htm Go JUL AUG OCT
14 captures 02
23 Jul 2003 - 29 Aug 2005 2002 2003 2004
About this capture

The LampLink2 is a specially designed illuminator, which has the features required for today's computer controlled, machine vision applications.

Two models are available, a Power Supply and Non Power Supply. The Power Supply unit has an internal 15V, 3A DC power supply, which is available to provide power to a variety of accessories such as Thales Optem's Motorized Focus Blocks and customer supplied cameras.

Catalog Number	Description
33-50-71	Non Power Supply LampLink2
33-50-72	Power Supply LampLink2
38-51-00	Basic Controller

Features:

- ETL, ECSA and CE Approved
- Switch selectable power source (100, 115 or 230 VAC)
- Microprocessor control of lamp intensity
- Line regulation (No spiking)
- Auto detection of line frequency
- Optional internal 15V, 3A DC power supply
- Computer controllable via the RS232 interface
- Control Software available for Windows and LabVIEW applications
- Internal IR filter for cool operation
- Optional color filtering
- 150 watt halogen lamp available in 3 color temperatures
  (EKE, EJA & DDL)
- Input static protection
- Thermal Protection against overheating in case of fan failure
- Switch selectable addressing for connecting multiple illuminators
- Controls are optically isolated from the AC source
- Remote intensity control
- Detachable IEC power cord
- Quick and convenient lamp exchange

The LampLink2 has a single cable entry in the front of the illuminator for connections to the controllers.

LampLink2 Specifications:

LampLink 2	Illuminator Specifications:
ENCLOSURE	
Type	Rectangle formed Aluminum with soft plastic feet.
Size	8.25 wide x 9.50 deep x 4.35 high (210 x 241 x 110 mm).

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REMOTE	
Type	Slope front formed Aluminum with soft plastic feet.
Size	2.0 wide x 3.0 deep x 1.5 high (51x76x38mm) (basic controller).
Weight	0.2 lb., (0.09kg).
Color	Black, fine texture with white lettering.
Control	Rotary rheostat.
Cable	8 ft with RJ-45 termination.
POWER	
Voltage	90-250 VAC, 47/63 Hz. Field selectable by switch (no wiring change).
Current	Maximum. Single 3.1/1.5A.
	Nominal Single 200w, /P units add 50 watts.
Duty Cycle	Continuous.
LAMPS	*Life in hours (hr.) is at maximum intensity. Life can be extended up 100x at lower settings.
Standard	EKE 150w, 3250°K, 21v, 200 hr.* order # LEKE-15.
Optional	EJA 150w, 3350°K, 21v, 50 hr.* order # LEJA-15
Optional	DDL 150w, 3150°K, 20v, 500 hr.* order # LDDL-15.
ENVIRONMENT	
Temperature	Operating 65°-100°F (18°-38C). Storage 35°-120°F (2°-49°C).
Humidity	Operating 20%-50%. Storage 10%-95%.
SHIPPING	Weight 11 lb. (5 kg) Volume 11 x 11 x 11 in., 0.8 cu. ft.(280 x 280 x 280 mm, 0.2 cu. M).
LampLink 2	POWER SUPPLY, OPTIONAL
Input	90-264 VAC, 47-63 Hz, 1A RMS, Inrush cold start 20A max. Hold up 12 ms, MTBF 100,000 hr.
Output	15 VDC, Current @ load min. 0, max 3A, Peak 4A. Ripple 150 mv, Regulation 2%.



The Basic Controller is designed to control illumination intensity from a remote source. The Basic Controller is not required, as the LampLink2 can be controlled via a computer only if desired.

The rear view shows the selectable power source of 100, 115 or 230 VAC.

A unique slide-rail mechanism for easy bulb replacement keeps the unit in one piece during bulb maintenance.

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