

LIGHT SOURCES

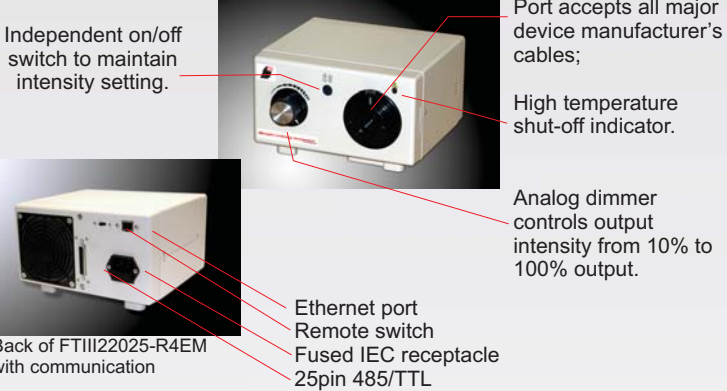
LO100

100-Watt
LED Light Source

*A Industrial LED light engine 2x
brighter than halogen!*



LO50 is the first LED light source more powerful than Halogen.



OPTIONS

- Ethernet/RS485/232 Control
- Cable adapters to accept all Mfg light guides

Input range:	100 - 240 Vac; 120 - 300 Vdc
Power consumption	110w
Inrush current:	50 A max., cold start @ 25 °C
Fuse	3A Type F Quick Blow
Classification	Type B, Class II
Electrical Safety	UL 153, UL8750
Operating Temp	5 – 40 Deg C
Storage Temp	5 – 40 Deg C
Humidity	10 -85% Rel H Non-condensing

FEATURES

- Proprietary collection optics and cutting edge LED technology combine to outperform 150W halogen EKE lamps in power, life, and color temperature with fiber bundle diameters up to 12mm.
 - Long life (50,000 hours) solid state device eliminates lamp change for up to 24 years!
 - Daylight white 6000K color temperature.
 - Uses 50% less power to produce more than 2X output power. No wasted IR component.
 - Less than 15% decline in output over the usable life.
 - 100/120/240V 50/60C Universal power supply.
 - Default adapter size 1". Individual adapters permit the use of all fiber optic brands.
 - Thermal protection via on-board sensor.
 - OEM configurations available.
 - UL153 certified, CE marked.
 - Ethernet/RS485 with TTL trigger offers complete control including strobbing, over-driving and intensity control (Optional).
- Overall Height: 5" (127 mm)
Overall Width: 7.625" (194 mm)
Overall Depth: 7.75"(197 mm)
Unit Weight: 7.9lbs. (3.6 kg) including cord.

* -Specifications subject to change without notice

P/N	Description	Maximum Aperture	Voltage Cycles	Color Temperature
FTIII22039-M	Standard industrial LED light source	.500" (12mm)	100-230 50/60	6000K
FTIII22039-R4EM	LED Light source w/control	.500" (12mm)	100-230 50/60	6000K



CORPORATE HEADQUARTERS
fiberoptics technology incorporated
ESTABLISHED 1977

1 Quasset Road, Post Office Box 286, Pomfret, Connecticut 06258
PHONE 800.433.5248 • FAX 860.928.7664 • WEBSITE: www.fiberoptix.com • E-MAIL: info@fiberoptix.com

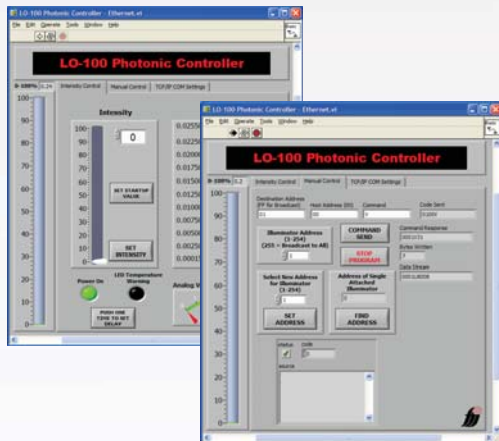
DATA, COMPONENTS and ACCESSORIES

Ethernet/485 Communication interface for LO100

State-of-the-Art lighting control includes traditional communication connectivity AND the latest wired or wireless Ethernet protocol, in a do-it-all standard package!



Rear of FTIII22039-R4EM showing RJ45, Remote switch, and DB 25 pin connectors



Actual screen shot of included control software, which verifies operation and demonstrates capability.

- Communication protocol allows control of the light source via Smart camera or TTL signal. (No manual trigger)
- Run continuously or intermittent from 10 microseconds to 14 milliseconds (triggered, software controlled)
- Continuous intensity can be adjusted locally or with wired remote, or through the control from 0-100% in 4096 steps
- When connected through the RJ45 ethernet port, up to 254 illuminators can be uniquely configured. (RS232 communication can control only one unit.)
- When controlled by intermittent trigger, user may overdrive intensity by as much as 67% (67% over 100%) to maximize process speed.
- Up to 50,000 pulses/second can be accepted.
- User programming via ASCII commands - command set available from Integrity Instruments 485M300 Series I/O Modules Manual
- 0-5 volt input-
3V is 100% intensity for continuous on usage.
5V is over driving intensity by 167% (intermittent only)
- Intensity and pulse time settings are stored in on-board flash Memory.
- 25pin connector serves as host for the TTL input and 485 serial port. Wired remote can also be routed to control intensity.
- Gated signal from a smart camera will also control the "on" duration.
- Entire package is integral to the unit... Comes complete with separate installation/startup manual and demonstration software.



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