



FASTUS is a product brand of Optex FA.

[Product Lineup]

- LED Lighting
 - Ring Lighting
 - Bar lighting
 - Backlighting
 - Coaxial Lighting
 - Spot Lighting
- Controllers
- Power Supplies
- Options



LED Lighting for Machine Vision

2017



New Product
Sensing Coaxial Lighting
OPX Series

- Attention: Not to be Used for Personnel Protection.**
- Never use these products as sensing devices for personnel protection. Doing so could lead to serious injury or death.
- These sensors do not include the self-checking redundant circuitry necessary to allow their use in personnel safety applications.
- A sensor failure or malfunction can cause either an energized or de-energized sensor output condition.
- Please consult our distributors about safety products which meet OSHA, ANSI and IEC standards for personnel protection.
- Specifications are subject to change without prior notice.
 - Specifications and technical information not mentioned here are written in Instruction Manual. Or visit our website for details.
 - All the warnings and cautions to know prior to use are generic. Instruction Manual.

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OPTEX FA CO., LTD.

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Controllers / Power Supplies

LED Lighting Controller OPD Series



PWM dimming | Ultra-compact
Capacity: 18 W

LED Lighting Controller Advanced OPPF Series



PWM dimming | RS232 / 0 to 5 V
Capacity: 48 W

Dual-Output Power Supply CC + PWM OPPCW Series



Parallel (0 to 3 V) | Capacity: 26 kW

Cable OP Series



Emission | Illumination control
Robot cable

Lighting Monitoring and Illumination Check Sensor MDF Series



Sightless monitoring | Beamless verification
Amplifier / Filter

Monitoring

Feedback

Voltage adjustment for managing brightness

Power supply, feedback

Information on measured values

LED Lighting Controller Advanced OPPF Series



PWM dimming | RS232 / 0 to 5 V
Capacity: 48 W

OPR-SF Series



High brightness | Feedback
Condensed | Low angle | Wide

OPR-SE Series



High brightness | Feedback
For use with wide-angle lenses

OPB-S Series



High brightness | 60 to 450 mm
Wide range | Feedback

OPB-SF Series



High brightness | 60 to 400 mm
Feedback | New

OPB-SE Series



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What are FALUX and FALUX sensing?

Optex FALUX lighting is equipped with a proprietary technology designed to maintain brightness automatically over long periods by detecting the temperature and brightness of the lighting.

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LED Lighting

Ring Lighting



Sensing LED Ring Lighting
OPR Series

High brightness | Feedback
Condensed | Low angle | Wide

Bar Lighting



Sensing Bar Lighting
OPB Series

High brightness | 60 to 450 mm
Wide range | Feedback

Backlighting



Sensing LED Backlight
OPF Series

Added Models | Feedback

Coaxial Lighting



Sensing Coaxial Lighting
OPX Series

High brightness | Feedback
For use with telecentric lenses

Spot Lighting



Sensing Spot Lighting
OPS-S Series

High brightness | Feedback
For use with telecentric lenses

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With conventional LED lighting, three problems arise in regard to managing brightness.

Problems with LED Lighting

Problem 1: Variations in brightness between individual LEDs

Because variations in forward voltage of individual LED can affect the brightness of the LED, the forward voltage must be aligned through sorting or some other means.

Problem 2: Fluctuations in brightness due to heat generated by the LED

When LED lighting is turned on, the LED itself generates heat, causing temperature to rise.

Problem 3: Management of long-term variations in brightness

After 40,000 hours of use, the brightness of LED lighting drops by 50%. This means that brightness must be adjusted when used for long periods.

Outline of FALUX and FALUX sensing

FALUX

SENSING

Feedback

Monitoring

Information on measured values

LED Lighting Controller Advanced OPPF Series



PWM dimming | RS232 / 0 to 5 V
Capacity: 48 W

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