

effiSharp

LED Pattern projector by EFFILUX

For defect detection and high speed quality control.



EFFI-Sharp is a range of LED lighting devices providing a powerful and focused beam designed by EFFILUX.

It projects full patterns with sharp edges such as square or circular. EFFI-Sharp can illuminate objects at long working distances, up to 2 m.

It is distinguished by its high optical power, high homogeneity and high scalability. It sets optimal conditions for high-contrast inspection work.

Applications

- Pick and place
- Defect inspection
- Micro defect detection
- Quality control of black products with low diffusion properties
- High speed quality control
- Reduced space applications

Benefits

High intensity lighting

Highly uniform illumination

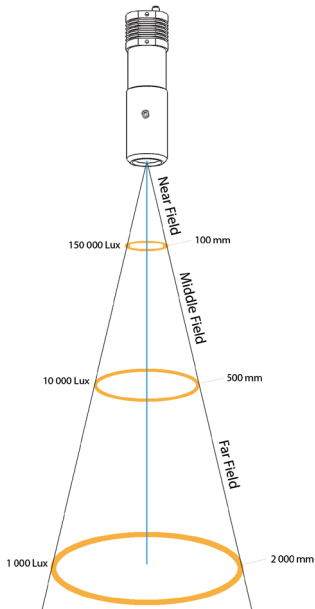
Easy installation

- No ocular hazards
- Compactness
- Few maintenance : very long lifetime

Flexible

- Adjustable working distance : from 50 mm to 2000 mm
- Adjustable targeting area : from 5 mm² to 1 m²
- Any kind pattern available: line, circle, square...
- Full range of color from UV to near IR
- White color
- Wide dimming range of 0-100%

Effi-Sharp range



EFFI-Sharp NF

- Near field projection
- 150 000 lux at 100 mm

EFFI-Sharp FF

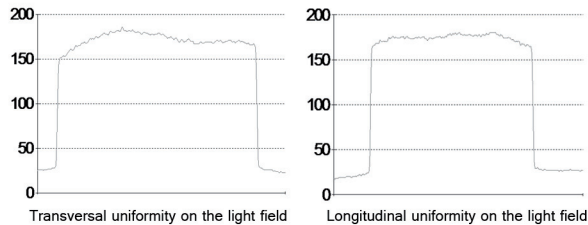
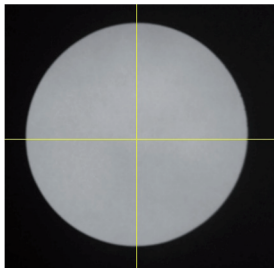
- Far field projection
- 1 000 lux at 2 000 mm

EFFI-Sharp MF

- Middle field projection
- 10 000 lux at 500 mm

EFFI-Sharp custom

- EFFILUX designs specific EFFI-Sharp
- Specific power up to 40 W
- Specific mechanics
- Specific projection



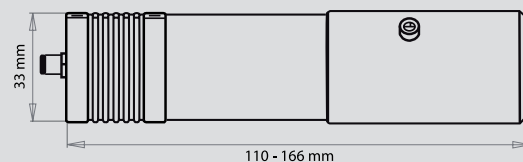
Uniformity on the light field of a circle 100 mm in diameter projected with an EFFI-Sharp MF at a working distance of 500 mm

General technical specifications

Power supply

- 24 V DC
- 5 W maximum

Dimensions



Conditions of use

- Sealing : IP 54
- Working temperature: [-30 / 50 °C]

EFFILUX offers other range of innovative LED lighting products. Visit our website www.afilux.fr