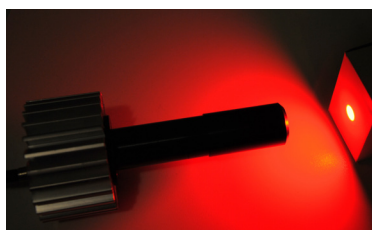


effiSharp - power

LED Pattern projector by **EFFILUX**

For machine vision applications which request a high intensity lighting



EFFI-Sharp Power is a range of LED lighting devices using optical properties from the original EFFI-Sharp product lining. However an EFFI-Sharp Power emits a light beam 2.5 more intense.

EFFI-Sharp Power lighting systems provide a powerful and focused beam. They project full patterns with sharp edges such as a square or a circle to illuminate objects at long working distances, up to 1 m.

It distinguishes itself by its high optical power, high homogeneity and high scalability. It sets optimal conditions for high-contrast inspections.

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

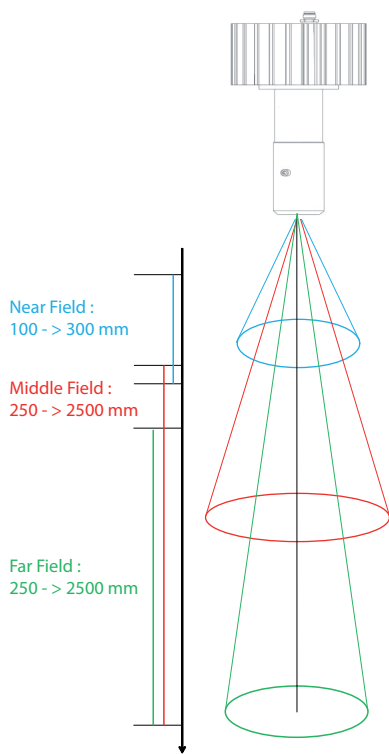
Easy installation

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

Flexible

- Adjustable working distance : from 50 mm to 2000 mm
- Adjustable targeted area : from 100 mm² to 1 m²
- Any kind of pattern available : Circle, square...
- Full range of colors from UV to deep red.
- White color
- Wide dimming range from 0 to 100%

EFFI-Sharp-Power range



EFFI-Sharp-Power NF

- Near field projection
- 150 000 lux at 100 mm

EFFI-Sharp-Power FF

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

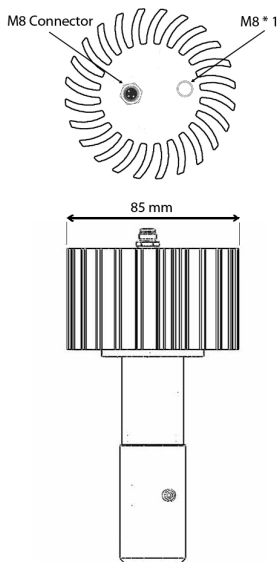
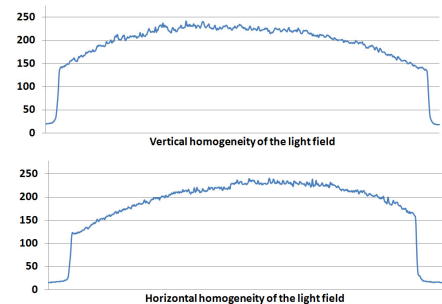
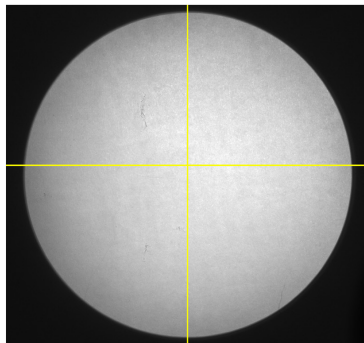
EFFI-Sharp-Power MF

- Middle field projection
- 10 000 lux at 500 mm

EFFI-Sharp-Power custom

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

Light field homogeneity of a 100 mm circle projected with an EFFI-Sharp-Power MF at a 500 mm working distance.



General technical specifications

Power supply

- 24 V DC
- 5 W maximum

Reference : EFFI-Sharp-Power_XX_XXX_X

- **XX** : Working distance range (NF, MF or FF)
- **XXX** : Wavelength (nm)
- **X** : Pattern (1 for square, 2 for circle, 3 for semi-circle)

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