

effiSharp – focuslight

LED Pattern projector by **EFFILUX**

For defect detection and high speed quality control.



EFFI-Sharp Focus Light 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 a square or a circle.

Similarly to the product lining EFFI-Sharp, EFFI-Sharp Focus Light distinguishes itself by its high optical power, high homogeneity and high scalability. EFFI-Sharp Focus Light is a durable LED light source that offers a service life of up to 60,000 hours. It is available in different colors from UV to near infrared.

Applications

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

Benefits

High intensity lighting

- More than 850 kLux at 60 mm

Highly uniform illumination

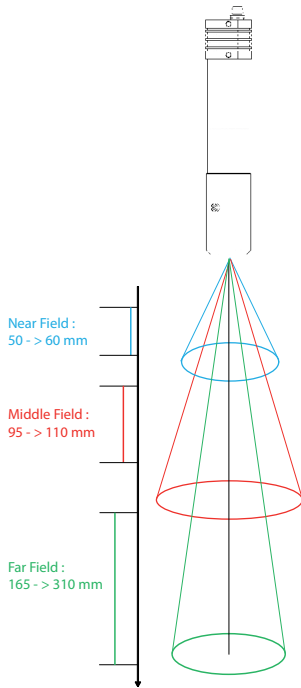
Easy installation

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

Flexible

- Adjustable working distance : from 50 mm to 300 mm
- Adjustable targeted area : from 50 mm² to 2500 mm²
- Any kind pattern available: Circle, square...
- Full range of colors from UV to near IR
- White color
- Wide dimming range from 0 to 100%

EFFI-Sharp-Focus light range



EFFI-Sharp-Focuslight NF

- Near field projection
- 850 000 lux at 55 mm

EFFI-Sharp-Focuslight FF

- Far field projection
- 150 000 lux at 180 mm

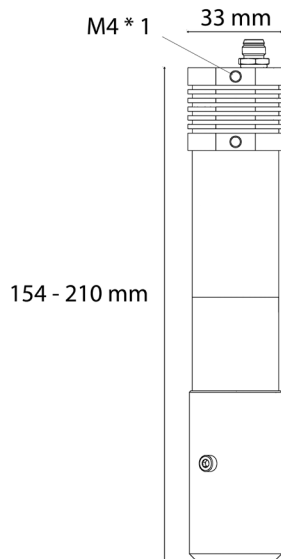
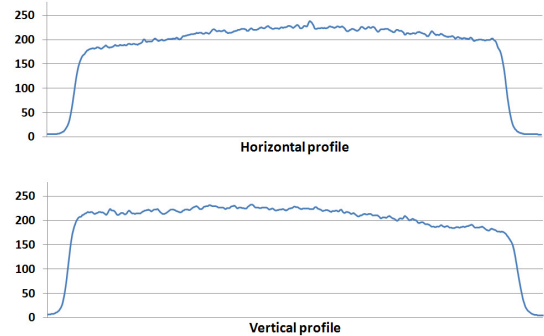
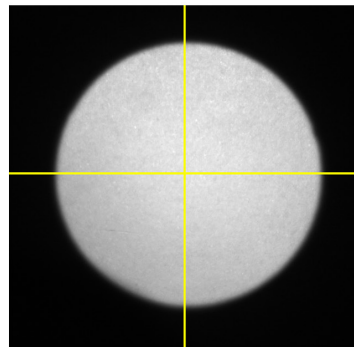
EFFI-Sharp-Focuslight MF

- Middle field projection
- 300 000 lux at 100 mm

Cusom EFFI-Sharp-Focuslight

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

Light field homogeneity of a 20 mm circle projected with an EFFI-Sharp-Focus light MF at a 120 mm working distance



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

General technical specifications

Power supply

- 24 V DC, With EFFI-Supply Wire, delivered with the product
- 5 W maximum

Reference : EFFI-Sharp-Focus light **XX** **XXX** **X**

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

Conditions of use

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