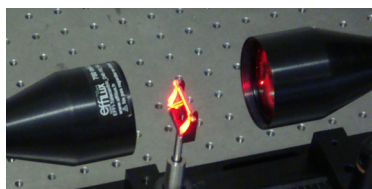


effiTelecentric

Telecentric lighting system by **EFFILUX**

For high accuracy edge detection and measurement.



EFFI-Telecentric is a telecentric backlight illuminator used to get rid of the undesired effects obtained with a diffuse backlighting system.

It is highly recommended to combine Effi-Telecentric with a telecentric objective to improve the image quality.

EFFILUX releases a range of EFFI-Telecentric: this product lining covers output diameters from 20 to 145mm.

Applications

- Very accurate quality control
- Optical sorting of screws, bolts & other turned parts.
- Accurate dimensions determination
- Accurate edges detection

Benefits

High images contrast

Highly uniform illumination

Perfect coupling with a telecentric objective

High intensity lighting for very high speed optical sorting

Very sharp edges

- Due to collimated light, edges are perfectly defined.

No defined working distance

- As light is collimated, EFFI-Telecentric could be used at any reasonable distance from the inspected object

Complete range of products

- Output diameters from 20 to 145 mm in standard configuration, more on request.
- Full range of colors from UV to near IR
- White color
- Wide dimming range from 0 to 100%



EFFI-Telecentric range

EFFI-Telecentric 20

- 20 mm optical output diameter

EFFI-Telecentric 45 /146 & 45 / 250

- 45 mm optical output diameter, 146 mm long, or 250 mm long.

EFFI-Telecentric 70

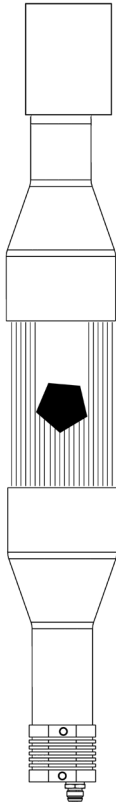
- 70 mm optical output diameter

EFFI-Telecentric145

- 145 mm optical output diameter

EFFI-Telecentric custom

- Customized design until 450 mm optical output diameter
- Customized design to decrease mechanical length
- Specific power up to 10 W
- Specific optical design to improve accuracy, or to decrease costs by using less accurate optical lenses.



Used with a telecentric objective, collimated light emitted by EFFI-Telecentric allows to detect edges with high accuracy.

General technical specifications

Power supply

- 24 V DC, with EFFI-Supply Wire.
- 5 W maximum

Reference : EFFI-Telecentric_XXX_XXX_XXX

- **XXX** : Output Optical diameter
- **XXX** : Mechanical length
- **XXX** : Wavelength (nm)

Conditions of use

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

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