

# USER MANUEL

effo FLEX-LS/  
FLEX-TR-CYL



effilux Efficient  
Led Lighting

## GENERAL INFORMATION

Une version française de cette notice est disponible sur la page correspondante de notre site web.

To ensure proper use of the product, please read this *User manual* and the *General warnings and precautions for use of Effilux products* attached before use and keep it for your future reference. Any improper use voids the warranty.

Datasheets and drawings in PDF and/or CAD can be downloaded from the Effilux website: [www.effilux.com](http://www.effilux.com)

## APPLICATIONS



Lens in position P3  
+ Transparent window



Lens in position P3 + Linescan film  
+ Transparent window



Lens in position P1 + Linescan film  
+ Cylindrical lens

With the lens in the upper position (P3), the linescan accessory transforms the Effi-Flex light into an uniform line light ideal for either brightfield or darkfield illumination. Used alone or in combination with a cylindrical lens, the linescan accessory delivers ideal linear lighting to obtain high-resolution images of moving materials.

Those solutions have been designed to fit linescan cameras needs in terms of illumination.

## PART NUMBER KEY - LINESCAN & CYLINDRICAL LENS ACCESSORIES

EFFO - FLEX - LS	-	XXX
	Linescan	Number of LEDs

  

EFFO - FLEX - TR	-	CYL	-	XXX
	Transparent window	Cylindrical lens		Number of LEDs

## REFERENCES

Please refer to Effilux datasheet for optical specifications about the product with linescan accessory.

Name	Accessory reference	Product reference	Description
Linescan film	EFFO-FLEX-LS-XXX XXX: Number of LED	EFFI-FLEX-XXX-ZZZ-TR-P3-LS	Material: Polycarbonate Diffusion angle : 50° (H) x 3° (V) Thickness: 0.254mm
Cylindrical lens accessory	EFFO-FLEX-TR-CYL-XXX XXX: Number of LED	EFFI-FLEX-XXX-ZZZ-TR-P1-LS-CYL XXXX: Number of LED / ZZZ: Wavelength (product including the linescan and the cylindrical lens option)	Material: PMMA Focal distance: 90mm

## LINEAR LIGHTING ACCESSORIES FOR THE EFFI-FLEX

### HOW TO INSTALL A LINESCAN FILM IN YOUR EFFI-FLEX ?

Be careful to always open the product from the side without the connector.



Unscrew the M4 screws.



Place the lens in position P3. Insert the linescan under the TR window.



Close the product.

**Important note:** If used with a polarizer, be sure to put the polarizer on top of the linescan.

### HOW TO INSTALL A CYLINDRICAL LENS IN YOUR EFFI-FLEX ?

Replace the window by your cylindrical lens accessory. Be careful to always open the product from the side without the connector.



Unscrew the M4 screws.



Remove the window and place the lens in **position P1**.



Insert the cylindrical lens window and the linescan below it.



Close the product.

## CONTACT INFORMATION

Please refer to the specific documentation (datasheet, user manual, drawing and general warnings & precautions for use) for complementary information.

Contents of this document are based on information available as of Sep-2021 and may be changed without prior notice.