

## True Color Sensor BFS 33M with IO-Link For distinguishing between the smallest color nuances

If your application requires reliable detection of colors or the ability to distinguish shades of color, Balluff's True Color sensor is the solution. Balluff's True Color sensors use white LEDs to provide a greater color spectrum evaluation. Combine this with the CIELAB color space, which is one of the most versatile color systems, and the result is a color sensor that meets or exceeds the human eye. CIELAB color space includes all possible colors exceeding the RGB color model.

### Features

- Up to 400 mm range
- True color
- Configurable via IO-Link
- Detects up to 256 colors

### Advantages of color sensors

- True Color distinguishes color nuances
- Differentiates polished or unpolished metal
- White light

### Benefits of color sensors

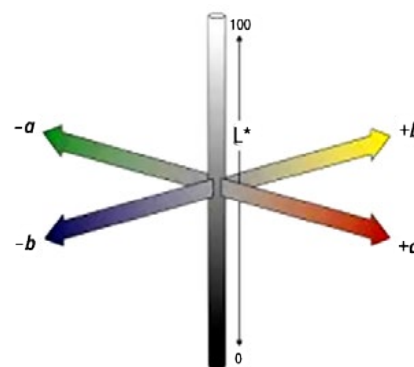
- Identify colors
- Color and shade confirmation
- Ignores surface patterns
- Easy integration

### Color sensor applications:

- Color verification
- Sortation
- Error proofing
- Color mark detection

### Industries for color sensors:

- Automotive
- Packaging
- Pharmaceutical
- Printing
- Plastics



CIELAB color space



Order code	Part number	Features
<b>BFS000M</b>	BFS 33M-GSI-F01-S75	True Color Sensor with IO-Link
<b>BFO00FP</b>	BFO D22-XB-LB-EAK-15-SA1-01	Fiber optic cable, M6 threaded, 1 meter
<b>BFO00C4</b>	BFO D22-XB-LB-EAK-15-SA1-02	Fiber optic cable, M6 threaded, 2 meter
<b>BFO00FN</b>	BFO D22-XB-LB-EAK-15-SA1-05	Fiber optic cable, M6 threaded, 5 meter
<b>BAM01PA</b>	BAM LS-FO-001-M6-L	Long range optic lens, 400 mm range
<b>BFO00C9</b>	BFO D22-XB-UB-EAK-15-SA1-02	Fiber optic cable, M4 threaded, 2 meter
<b>BAM00NT</b>	BFO 04-FL-2	Short range optic lens, 7mm range, 4mm thread