BALLUFF

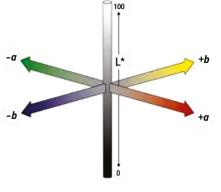
Distinguish between the smallest color nuances **TRUE COLOR SENSOR BFS 33M**

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.

Advantages of color sensors: true color distinguishes color nuances, differentiates polished or unpolished metal, white light, color mark sensor mode

Applications: color verification, sortation, error proofing, color mark detection

Industries: automotive, plastics, packaging, printing, pharmaceutical



CIELAB color space

BFS00L Features

- Up to 400mm range
- True color
- Software configurable
- Seven channels
- RS-232 communications





BFS00L is software configurable

BFS00M Features

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



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BFS00M detects up to 256 colors







BFS 33M

	BFS000L	BFS000M
Output	3x Push-Pull / RS232C	IO-Link
Connection	2m PUR cable 5x24AWG	M8, 4-pin
Number of colors	7 channels	256 colors
Range	Up to 400mm with additional optics	Up to 400mm with additional optics
Emitter light type	White	White
Color space	CIELAB	CIELAB
IP rating	IP54	IP54







BFS000M ACCESSORIES



BCCOARP M8 to 9-pin sub D Description interface cable, 2m

BFO00C9

Plastic fiber



BFO00C4

Plastic fiber



Double-ended M12 straight connectors

BAM00NT

Short range

BCC0C8N Double-ended M12 90° connectors



Description



BFO00FP

Plastic fiber



BFO00H8

Glass



BAM020P

Long range





Adjustable optic lens, 10...200mm range, M6

optic cable, optic cable, optic cable, optic cable, fiber optic optics, 7mm optics, . 2m, M4 . 1m, M6 2m, M6 5m, M6 400mm cable, 1m, range, M4 -20...170°C range, M6



BFO00FN

Plastic fiber

	BAV BP-PH-00090-01	BAV BP-PH-00090-02	BAV BP-PH-00090-03	BAV BP-PH-00091-01
Description	BFS kit with plastic fiber, M6, 1m	BFS kit with plastic fiber, M6, 2m	BFS kit with plastic fiber, M6, 5m	BFS kit with plastic fiber, M4, 2m
Color sensor	BFS000L	BFS000L	BFS000L	BFS000L
Accessories included	BCC0ARP BAE009A BFO00FP	BCC0ARP BAE009A BFO00C4	BCC0ARP BAE009A BFO00FN	BCC0ARP BAE009A BF000C9