

Flexible signaling for machines and workstations

SMARTLIGHT RIGID – COMPACT. BRIGHT. VERSATILE.

The new SmartLight Rigid from Balluff is the ideal solution for applications where traditional signal towers fall short. With its extremely compact design (20 mm in diameter) and exceptional light quality, it provides a cost-effective and efficient way to clearly indicate machine statuses. Versions with IO-Link offer dimming capabilities and can be seamlessly integrated into existing systems. Non-IO-Link variants allow flicker-free brightness adjustment via PWM or external dimming devices.

The SmartLight Rigid delivers 180° visibility and 100 % diffuse light distribution – ensuring uniform, glare-free illumination. Whether used as supplementary signaling on remote system components or as a stand-alone indicator, it's perfect for manual workstations, machine control panels, or intralogistics applications like milk runs and busylights.

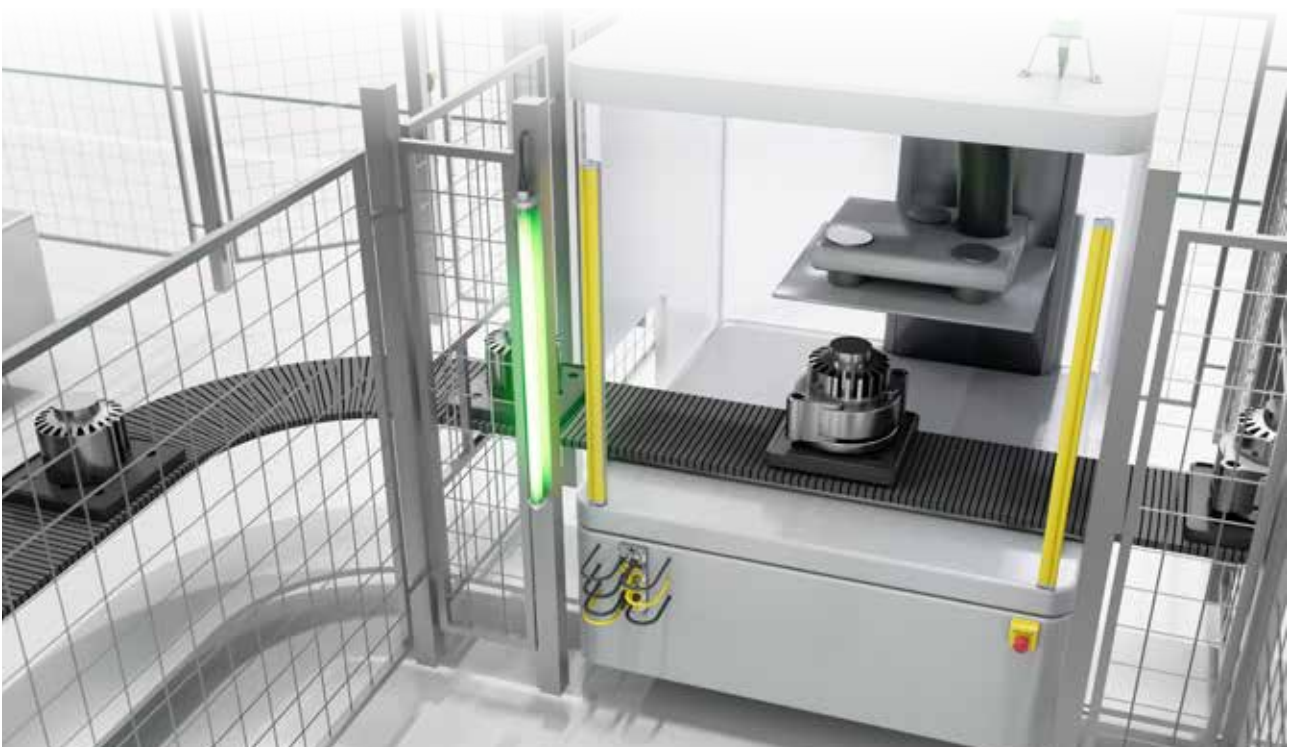
Its high light output, compact form factor, and dedicated white light channel also make it ideal for illuminating small systems such as sorting machines. It combines signaling and lighting in one space-saving, efficient device.

The high-quality metal housing ensures excellent durability and heat dissipation. Its sleek design and invisible LED dots give it a modern, high-quality appearance. With CE and UL certifications, SmartLight Rigid is ready for global use and offers a reliable, long-lasting solution for your production environment.

SmartLight Rigid is highly versatile: in intralogistics, it serves as a signal transmitter for milk runs or presence detection.

Features

- Extremely compact: Just 20 mm in diameter for flexible integration
- Glare-free lighting: 100% diffuse light distribution
- High visibility: 180° signal effect
- Robust design: Metal housing ensures durability and heat dissipation
- Flexible control: Inputs with 24V or IO-Link for extended functionality (dimming, flashing, strobe)



Compact, robust, and with 180° visibility for clear signaling and illumination.

SMARTLIGHT RIGID



	BNI00LN	BNI00LP	BNI00LR	BNI00LT	BNI00LU	BNI00LW
Length (without connection)	250 mm	550 mm	950 mm	250 mm	550 mm	950 mm
Interface	24V Inputs	24V Inputs	24V Inputs	IO-Link	IO-Link	IO-Link
Predefined colors	Red, Green, Yellow, Blue, Magenta, Cyan, White					
Colors configurable	No	No	No	Yes	Yes	Yes
Function indicator				Flashing	Flashing	Flashing
				Blinking	Blinking	Blinking
Housing material	Aluminum					
IP rating	IP54					

ACCESSORIES



	BAM0327	BAM0377
Version	Mounting clamp	Mounting clamp
Use	for machine light Ø 20 mm for line laser Ø 20 mm	for machine light Ø 20 mm for line laser Ø 20 mm
Material	Aluminum anodized, natural	Aluminum anodized, natural
Dimension	15 x 30 x 40 mm	15 x 29 x 35 mm
Mounting part	Screws, clamps	Screws, clamps