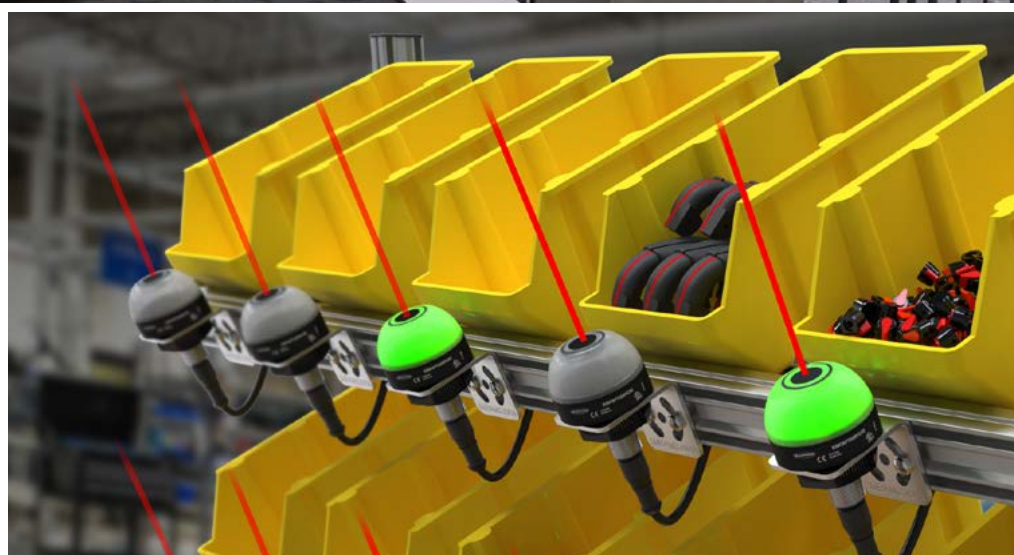
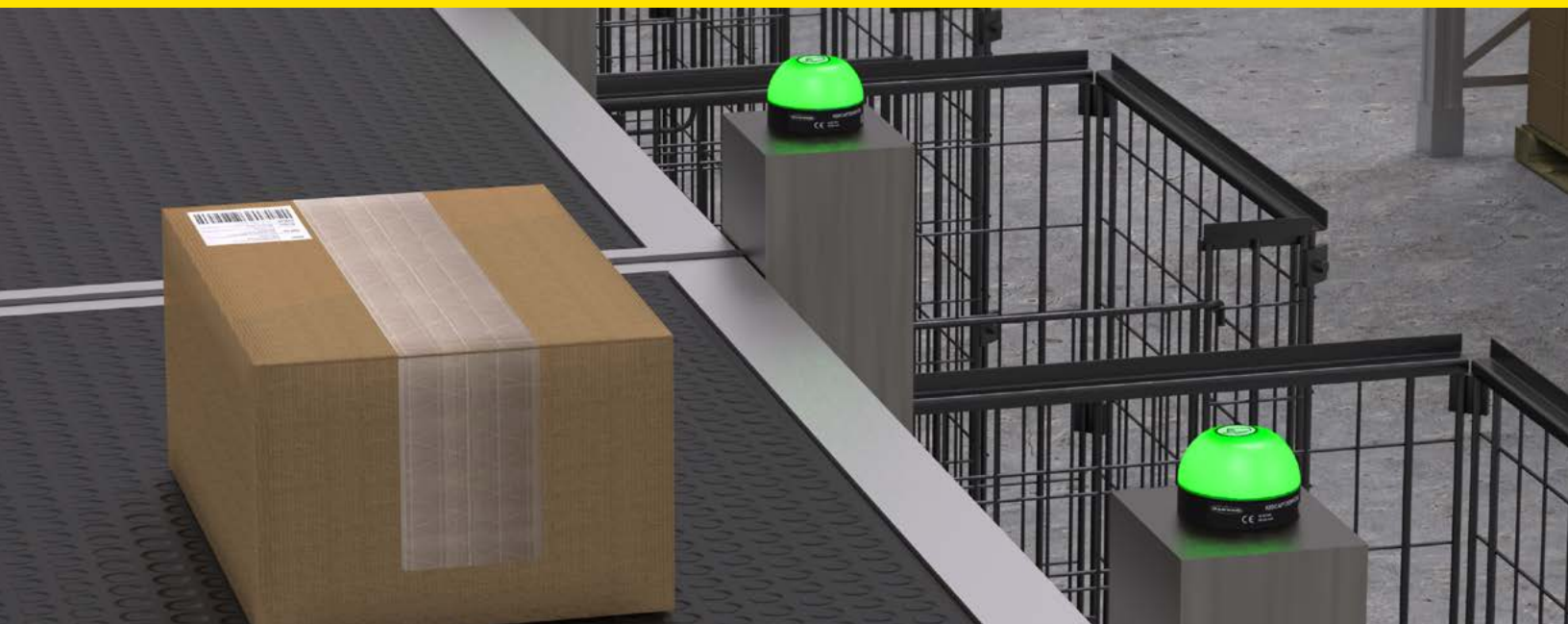


K50 Pro Select Series



Rugged, Cost-Efficient Indicators, Touch Buttons, and Optical Touch Buttons Simplify Inventory and Setup

- Cost-efficient, lightweight design and bright, clear colors solve indication and feedback challenges across many industries and applications
- Delivers long-lasting performance in industrial environments with its rugged, sealed IP66-, IP67-, and IP69K-rated laser welded assembly
- Consolidate inventory and simplify ordering processes by purchasing and configuring one part that does the job of multiple devices
- Easily control and configure additional colors, animations, and other parameters with Banner's free, PC-based Pro Editor software



The Go-To K50 for Programmable Dynamic Guidance, Indication, and Feedback

Banner's bright, multicolor K50 Pro Select Series integrates into both new and existing systems to offer long-lasting, reliable performance across many different applications. Each K50 Pro Select device has a standard 5-pin M12 connection and M30 threaded base, and customizing colors and animation of the next-generation RGB LEDs is easy with Banner's free PC-based Pro Editor software.



Banner's Pro Editor Software allows users to program device status, colors, animations, and much more for control via discrete inputs, bringing intuitive indication and interaction to the visual factory. Programmable RGB devices make supply chains more efficient by allowing you to standardize on one model that can be customized as needed. The application-based interface makes it easy to configure a device for a wide range of applications such as displaying machine warm-up time, indicating unique steps in an assembly process, showing distance and position information, and communicating multiple machine states.





K50PSLRGB7Q

Indicator Model

- Choose from seven default colors and flash, or seven additional colors and 11 animations that can be easily configured via Banner's free, PC-based Pro Editor software
- Simplify legacy device replacement by using Pro ID technology within Pro Editor. Easily track and replicate custom configurations using a unique Pro ID.
- Reduce wiring and I/O count by using the PFM/PWM input, giving a single PLC or sensor output dynamic control of up to 16 configurable states

Simplify Machine Panel Design and Specifications



Challenge

Panel builders often install five to ten or more indicators per control panel, each requiring a different model to achieve the necessary color and flash pattern variations. This leads to long bills of materials, more SKUs to manage, and extra work for ordering, stocking, and assembly. End users face similar challenges with spare part tracking and maintenance.

Solution

- K50 Pro Select Indicators can be quickly programmed to meet the needs of any application, requiring stocking and use of only one part
- Banner's Pro Editor software facilitates easy configuration of each device, enabling clear status indication through colors and animation
- Easily apply the same configuration to multiple indicators using the Pro ID feature in Pro Editor. Simply enter the unique ID, connect the device, and use the Write function to apply the configuration



K50PSTGRY3Q

Touch Model with Indication

- Advanced touch technology reliably detects both bare and gloved hands with no force required, reducing strain on hands and wrists
- Replace basic on/off buttons with configurable touch response, including momentary or latching operation, normally open or closed states, and adjustable on/off delays—all easily set in Pro Editor
- Easily communicate via three default colors (red, green, yellow), with 11 additional colors and eight animations available via Pro Editor software

Optimizing Operator Visibility and Control on Conveyor Lines



Challenge

Mechanical push buttons slow down processes and wear out over time, leading to downtime. Traditional status indicators have limited lateral visibility, making it difficult for workers to see where they are needed at a glance. Solving both issues typically requires multiple devices, adding complexity.

Solution

- K50 Pro Select Touch Buttons provide both highly visible 360° indication and configurable touch detection in one convenient device for clear operator guidance from any angle
- Advanced touch technology is reliable with no moving parts to wear out, minimizing downtime
- Programmable colors and animations give machines a voice, helping operators quickly identify problem types and locations

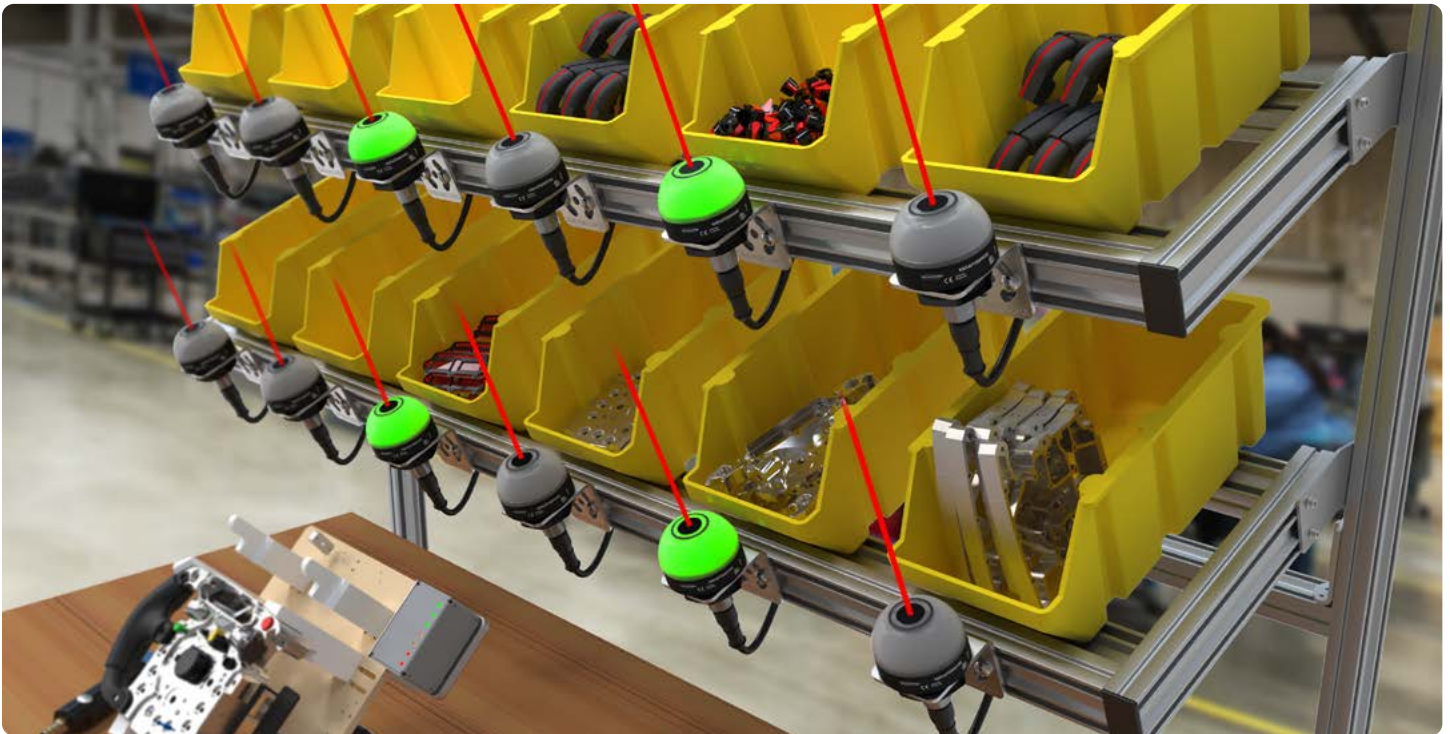


K50PSAF1000GRY3Q

Optical Model with Indication

- Reliably detect and indicate with one device, with configurable sensing across a 20 to 1000 millimeter range
- Quickly communicate via three default colors (red, green, yellow), or with 11 additional colors and nine animations available via Pro Editor software
- Easily configure the sensing range of the three default operating modes—Object, Background, and Window—using the teach function with no PC required. Configure alternate modes and logic with Pro Editor.

Improve Assembly Time and Accuracy with Indication and Optical Sensing



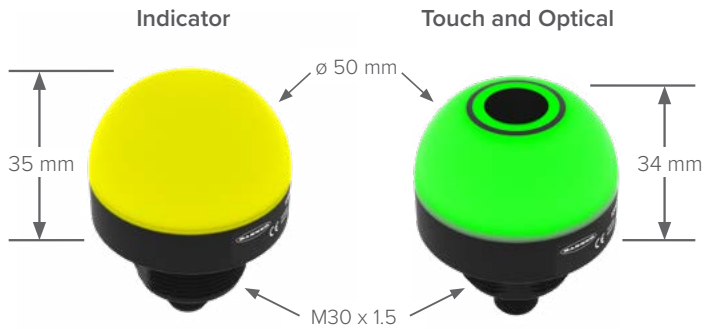
Challenge

Traditional pick-to-light systems require workers to press a button to confirm a pick, a step that slows cycle times. In high-volume operations, even a one-second delay per pick compounds into significant lost productivity, reducing overall throughput and operational speed.

Solution

- The K50 Pro Select Optical Touch Button combines a bright, multicolor indicator with an optical sensor that requires no physical touching of a button
- Optical sensing technology is ideal for pick-to-light applications, reliably detecting both bare and gloved hands in many different environments
- Bright, clear LEDs turn green to indicate pick location, turn yellow to confirm a correct pick, and turn red to show a misspick

Specifications



Power	10 to 30 V DC
Operating Conditions	Indicator and touch: -40 to 50 °C Optical: -20 to 50 °C
Construction	Base and Dome: Polycarbonate Mounting Nut: Polybutylene terephthalate (PBT)
Environmental Rating	IP66, IP67, IP69K
Certifications	

Accessories



SMB30A



SMB30MM



SMBAMS30P



SMBAMS30RA



SA-M30E12P
Stand-off pipe adapter,
1/2 NPSM threads



WC-K50
FDA-grade silicone
washdown cover



WC-K50T
FDA-grade silicone
washdown cover



PRO-KIT

A single Pro-Kit provides everything required to program discrete Pro products with the free Pro Editor software and is required only for setup, not daily operation.



5-Pin M12
Straight connector models

BC-M12F5-22-2
2 m (6.5')
BC-M12F5-22-5
5 m (16.4')
BC-M12F5-22-10
10 m (32.8')



5-Pin M12
Right-angle connector models

BC-M12F5A-22-2
2 m (6.5')
BC-M12F5A-22-5
5 m (16.4')
BC-M12F5A-22-10
10 m (32.8')



5-Pin M12 Double-Ended
Straight connector models

BC-M12F5-M12M5-22-2
2 m (6.5')
BC-M12F5-M12M5-22-5
5 m (16.4')
BC-M12F5-M12M5-22-10
10 m (32.8')



For more information go to bannerengineering.com



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