Lighting and Indication Selection Guide

BANNER ®

more sensors, more solutions
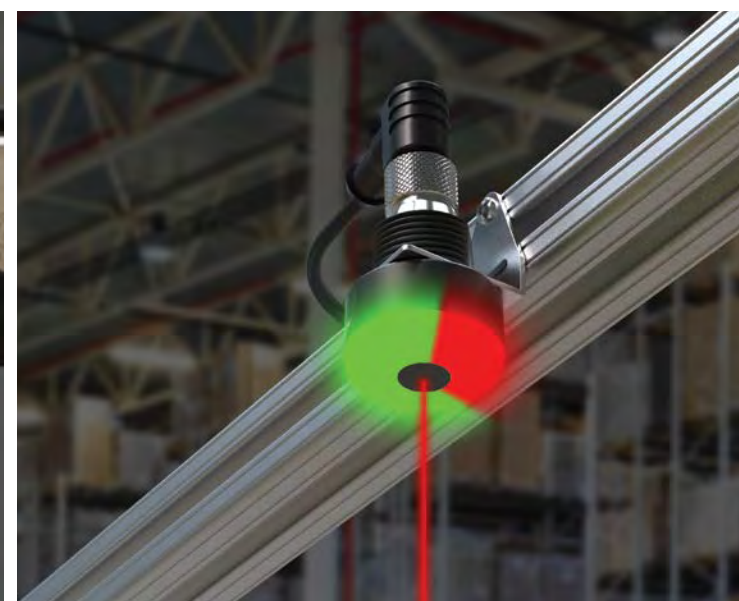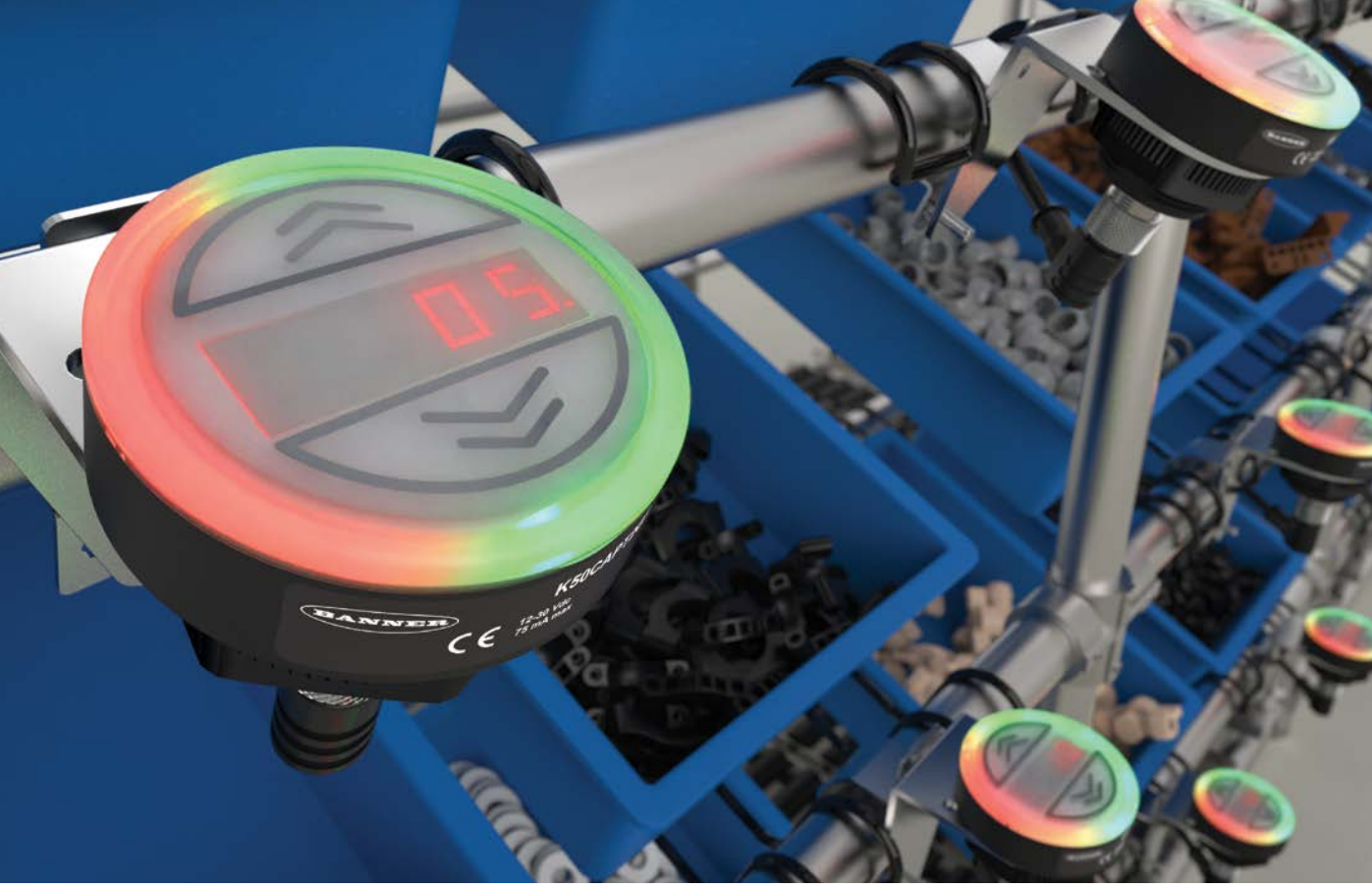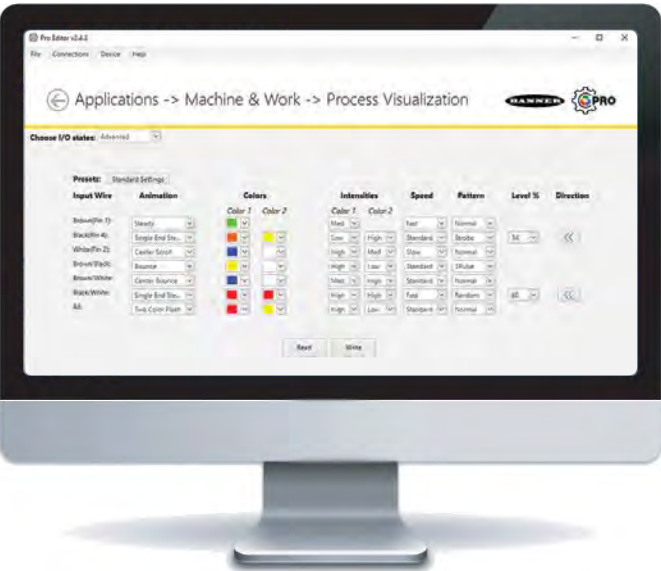
Pro Products

The Pro Series programmable multicolor LED devices from Banner Engineering offer limitless possibilities for advanced indication of dynamic machine states, operator interaction, and process status. The Pro Series is ideal if you are looking for advanced capabilities or flexibility beyond a traditional factory indicator. Whether you have discrete or protocol controlled devices, the Pro Series use Banner's Pro Editor Software, IO-Link, or PICK-IQ™ for real-time communication and visualization across your factory.

Software for Programmable Devices

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.

Modes and Animations

Spectrum	50/50	Rotate	Timer	Strobe
Level	Scroll	Flash	Counter	Bounce

PRO allows simple control via discrete inputs with advanced options, configurable colors, animations, and much more.

IO-Link® is an open standard serial communication protocol that allows for the bi-directional exchange of data from IO-Link supported sensors that are also connected through a master.
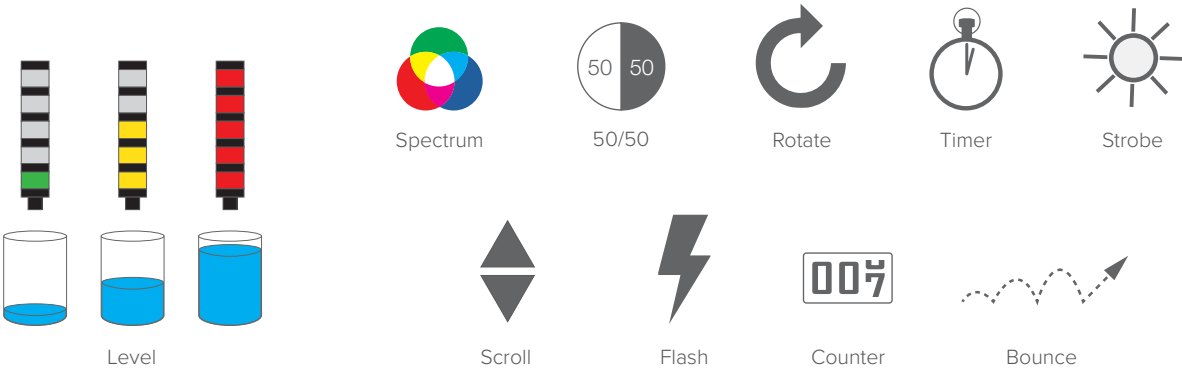
PICK-IQ® is a purpose-built, Modbus-compatible serial bus protocol that uses a Common ID to reduce the typical latency that results from polling multiple devices.

	S22 Pro Indicator and Touch Button	K30 Pro Indicator and Touch	K50 Pro Indicator	K50 Pro Touch	LCA130T
PRO	✓	✓	✓	✓	✓
IO-Link		✓	✓	✓	
PICK-IQ		✓	✓	✓	

	CL50 Pro	TL50 Pro	TL70 Pro	K90 Pro	K100 Pro	TLF100 Pro	WLS15 Pro	WLS27 Pro	WLS28 Pro	PTL110
PRO	✓	✓	✓	✓	✓	✓	✓	✓	✓	
IO-Link	✓	✓	✓	✓		✓	✓	✓	✓	
PICK-IQ							✓			✓

PRO Programmable LED indicators offer multiple color choices in a single housing

LED Task Lighting
Selection Guide

Series Name	S15WL	WLS15	WLS27	WLS28-2	WLB32	WLS70	WLB72
Length (mm)	28	220 to 1200	145 to 1130	145 to 1130	285 to 1130	300 to 1200	1200 and 2400
AC/DC	DC	DC	DC	DC	AC and DC	AC and DC	AC
White Lumens per Foot (300 mm)	55	350 standard 750 high intensity	800	800	750	1350	1700
IP Rating	IP65, IP67, IP68	IP66, IP67	IP66, IP67, IP69K	Unsealed: IP50 Sealed: IP67, IP69K	IP50	IP65	IP20
Programmable		⚙PRO ⬙IO-Link® ⬚PICK-IQ®	⚙PRO ⬙IO-Link®	⚙PRO ⬙IO-Link®			
Multicolor Options		✓	✓	✓			

Series Name	WLB92	WLC60	WLH60 High Temp	WL50S	WL50-3	WLC90	WLA-2
Length (mm)	550 and 1100	340 and 640	340 and 640	ø 50	ø 50	89 x 91	105 x 180 to 360 x 180
AC/DC	AC and DC	DC	DC	DC	DC	DC	DC
White Lumens per Foot (300 mm)	1755	1300	1150	295	300	700	1025 per panel/size
IP Rating	IP40	IP68, IP68g, IP69K	IP68, IP69K	IP67, IP69K	IP67, IP69K	IP68, IP68g, IP69K	Sealed: IP67, IP69K Encapsulated: IP67, IP68, IP69K
Programmable							

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Tower Lights
Selection Guide

Series Name	TL15	WLS27	TL30 Series	CL50 Series	TL50 Andon Series
Segment Diameter (mm)	15	27	30	50	50
Mounting Hole Diameter (mm)	—	—	30	30	—
AC/DC	DC	DC	DC	DC	DC
IP Rating	IP66, IP67, IP68	IP66, IP67, IP69K	IP65	IP67	IP54
Programmable		PRO IO-Link®		PRO IO-Link®	
Multicolor Options		✓		✓	
Audible	✓		✓	✓	✓
Daylight Visible					
Wireless					
Modular Construction	✓				

Series Name	TL50 Series	TL50C Series	TL50BL Series	TL70 Series	TLF100 Pro
Segment Diameter (mm)	50	50	50	70	100
Mounting Hole Diameter (mm)	30	30	30	30	—
AC/DC	AC or DC	AC or DC	AC or DC	AC or DC	DC
IP Rating	IP67	IP67	IP67	IP65	IP65, IP69K
Programmable	PRO IO-Link®	PRO IO-Link®	PRO IO-Link®	PRO IO-Link®	PRO IO-Link®
Multicolor Options	✓	✓	✓	✓	✓
Audible	✓	✓	✓	✓	✓
Daylight Visible	✓		✓		✓
Wireless				✓	
Modular Construction				✓	

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Indicators
Selection Guide

Series Name	S15L	S18L/S22L	S22 Pro	WLS15 Pro	WLS27 Pro	WLS28 Pro
Housing Diameter (mm)	15	18	20	15	27	28
Mounting Hole Diameter (mm)	—	18/22	22	—	—	—
AC/DC	DC	DC	DC	DC	DC	DC
IP Rating	IP66, IP67, IP68	IP67, IP69K	IP66, IP67, IP69K	IP66, IP67	IP66, IP67, IP69K	Unsealed: IP50 Sealed: IP67, IP69K
Programmable			PRO	PRO IO-Link PICK-IQ	PRO IO-Link	PRO IO-Link
Multicolor Options	✓	✓	✓	✓	✓	✓
Audible						
Daylight Visible		✓				

Series Name	CL50 Series	K30 Series	K50 Series	K70 Core	K90 Series	K100 Pro
Housing Diameter (mm)	50	30	50	70	90	100
Mounting Hole Diameter (mm)	30	30	30	30	30	36
AC/DC	AC or DC	DC	DC	DC	DC	AC or DC
IP Rating	IP67	IP67, IP69K	IP65, IP67, IP69K	IP65	IP66, IP67	IP69K
Programmable	PRO IO-Link	PRO IO-Link PICK-IQ	PRO IO-Link PICK-IQ		PRO IO-Link	PRO (DC models only)
Multicolor Options	✓	✓	✓	✓	✓	✓
Audible	✓		✓			✓
Daylight Visible				✓		✓

PRO — Programmable LED indicators offer multiple color choices in a single housing

Touch Button and Pick-to-Light
Selection Guide

Series Name	S22 Pro Touch	K30 Touch Series	K30 Pro Optical Sensor	K50 Optical Series
Indicator Diameter (mm)	22	30	30	50
Mounting Hole Diameter (mm)	22	22	22	30
AC/DC	DC	DC	DC	DC
IP Rating	IP66, IP67, IP69K	IP67, IP69K	IP65	IP67, IP69K
Programmable	PRO	PRO · IO-Link® · PICK-IQ®	PRO	PRO · IO-Link® · PICK-IQ®
Multicolor Options	✓	✓	✓	✓
Audible				

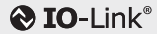| Series Name	K50 Touch Series	K50 Pro Touch Display	K70 Touch Series	PTL110
Indicator Diameter (mm)	50	50	70	15
Mounting Hole Diameter (mm)	30	30	30	—
AC/DC	DC	DC	DC	DC
IP Rating	IP65, IP67, IP69K	IP67, IP69K	IP65	IP66, IP67
Programmable	PRO · IO-Link® · PICK-IQ®	PRO · IO-Link® · PICK-IQ®	PRO	IO-Link® · PICK-IQ®
Multicolor Options	✓	✓	✓	
Audible	✓		✓	

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More Sensors, More Solutions.

Banner Engineering designs and manufactures industrial automation products including sensors, smart IIoT and industrial wireless technologies, LED lights and indicators, measurement devices, machine safety equipment, as well as barcode scanners and machine vision. These solutions help make many of the things we use every day, from food and medicine to cars and electronics. A high-quality, reliable Banner product is installed somewhere around the world every two seconds. Headquartered in Minneapolis since 1966, Banner is an industry leader with more than 10,000 products, operations on five continents, and a world-wide team of more than 5,500 employees and partners. Our dedication to innovation and personable service makes Banner a trusted source of smart automation technologies to customers around the globe.

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