Lighting and Indication Selection Guide

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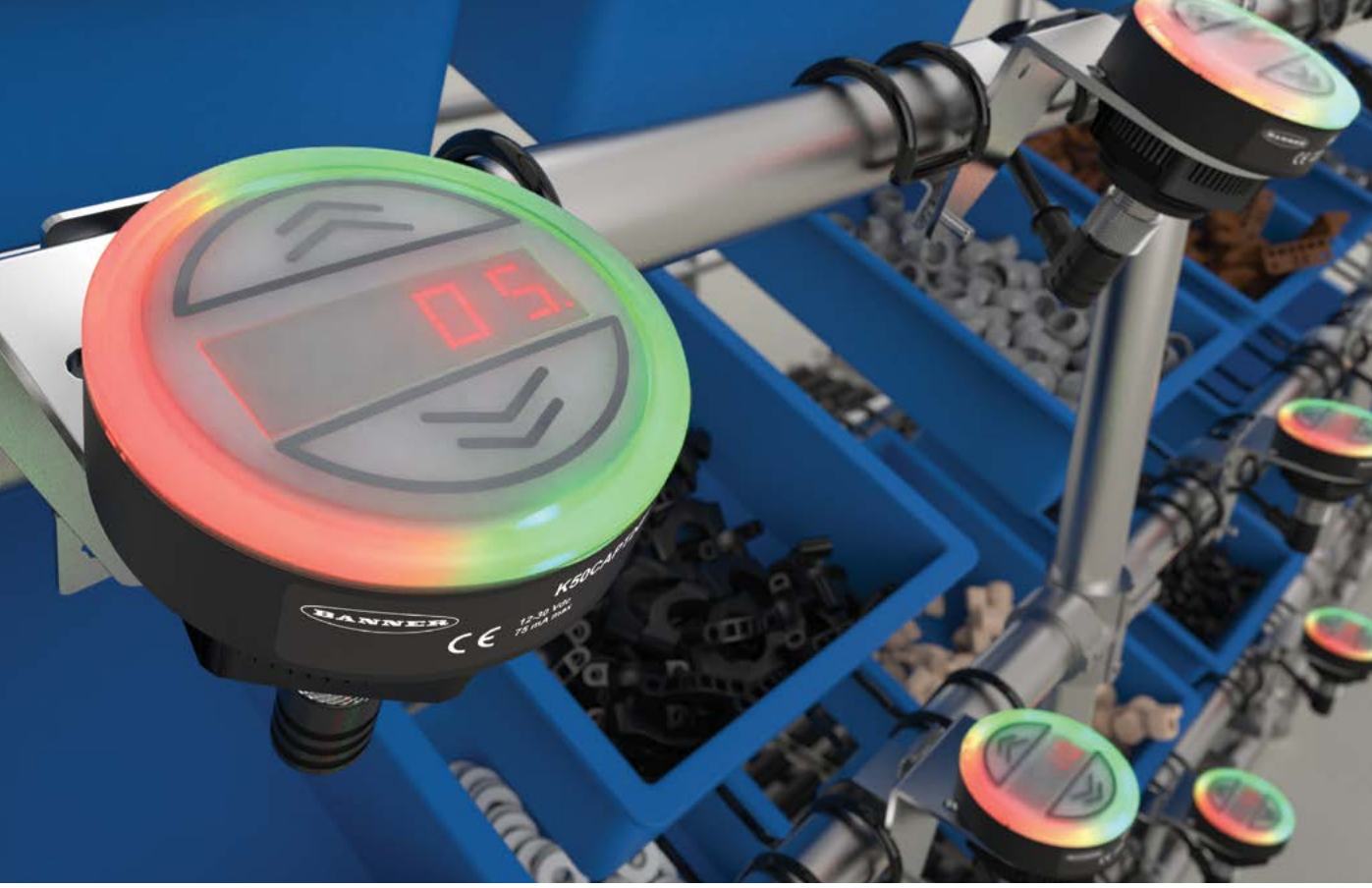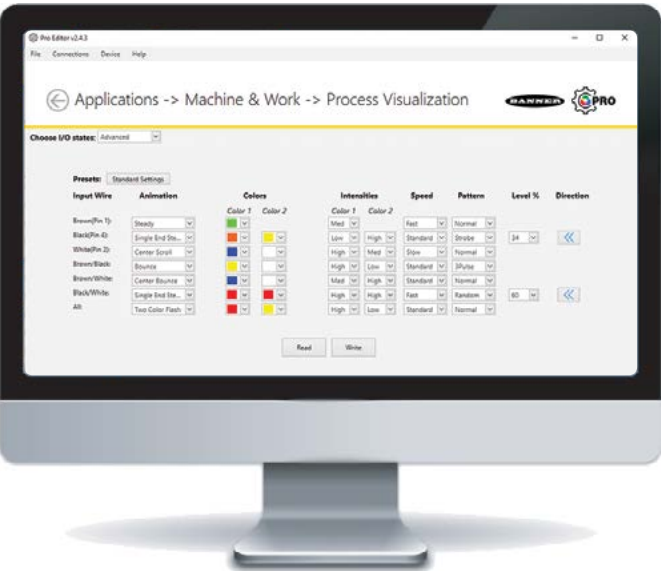
Pro Products

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 light. Whether you have discrete or protocol devices, the Pro Series use Banner's Pro Editor Software, IO-Link, or PICK-IQ™ for real-time communication 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.

PRO — allows simple configuration via discrete inputs with advanced options for colors, animations, logic, 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 devices, lights, or indicators 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.

Spectrum   50/50   Rotate   Timer   Scroll

Bounce   Flash

Strobe   Counter   Level

	S15L Pro	S22 Pro Indicator and Touch Button	K30 Pro Indicator and Touch	K50 Pro Indicator	K50 Pro Touch	LCA130T	CL50 Pro		TL50 Pro	TL70 Pro	K90 Pro	K100 Pro	TLF100 Pro	WLF12 Pro	WLS15 Pro	WLS27 Pro	RLS27 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	RLS27	WLS28-2	WLB32	WLS70
Length (mm)	28	220 to 1200	145 to 1130	285 to 2270	145 to 1130	285 to 1130	300 to 1200
AC/DC	DC	DC	DC	DC	DC	AC and DC	AC and DC
White Lumens per Foot (300 mm)	55	350 standard 750 high intensity	800	850	800	750	1350
IP Rating	IP65, IP67, IP68	IP66, IP67	IP66, IP67, IP69K	IP67, IP69K	Unsealed: IP50 Sealed: IP67, IP69K	IP50	IP65
Programmable	PRO	PRO IO-Link® PICK-IQ®	PRO IO-Link®	PRO	PRO IO-Link®		
Multicolor Options		✓	✓	✓	✓		
Hazardous Location Models			✓		✓		

Series Name	WLB72	WLB92	WLC60	WLH60 High Temp	WL50S	WL50-3	WLC90	WLR95	WLA-2
Length (mm)	1200 and 2400	550 and 1100	340 and 640	340 and 640	ø 50	ø 50	89 x 91	94 x 49	105 x 180 to 360 x 180
AC/DC	AC	AC and DC	DC	DC	DC	DC	DC	DC	DC
White Lumens per Foot (300 mm)	1700	1755	1300	1150	295	300	700	600	1025 per panel/size
IP Rating	IP20	IP40	IP68, IP68g, IP69K	IP68, IP69K	IP67, IP69K	IP67, IP69K	IP68, IP68g, IP69K	IP65, IP67, IP68	Sealed: IP67, IP69K Encapsulated: IP67, IP68, IP69K
Programmable									
Multicolor Options									
Hazardous Location Models									

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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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Selection Guide

Series Name	S15L Pro	S18L/S22L	S22 Pro	WLF12 Pro	WLS15 Pro	WLS27 Pro	RLS27 Pro
Housing Diameter (mm)	15	18	20	12	15	27	27
Mounting Hole Diameter (mm)	—	18/22	22	—	—	—	—
AC/DC	DC	DC	DC	DC	DC	DC	DC
IP Rating	IP66, IP67, IP68	IP67, IP69K	IP66, IP67, IP69K	IP66, IP67, IP69K	IP66, IP67	IP66, IP67, IP69K	IP67, IP69K
Programmable	PRO		PRO	PRO IO-Link®	PRO IO-Link® PICK-IQ®	PRO IO-Link®	PRO
Multicolor Options	✓	✓	✓	✓	✓	✓	✓
Audible							
Daylight Visible		✓					✓

Series Name	WLS28 Pro	CL50 Series	K30 Series	K50 Series	K70 Core	K90 Series	K100 Pro
Housing Diameter (mm)	28	50	30	50	70	90	100
Mounting Hole Diameter (mm)	—	30	30	30	30	30	36
AC/DC	DC	AC or DC	DC	DC	DC	DC	AC or DC
IP Rating	Unsealed: IP50 Sealed: IP67, IP69K	IP67	IP67, IP69K	IP65, IP67, IP69K	IP65	IP66, IP67	IP69K
Programmable	PRO IO-Link®	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				✓			✓

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Touch Button and Pick-to-Light
Selection Guide

Series Name	S22 Pro Touch	K30 Touch Series	K30 Pro Optical Sensor	K50 Optical Series	K50 Touch Series	K50 Pro Touch Display	K70 Touch Series	PTL110
Indicator Diameter (mm)	22	30	30	50	50	50	70	15
Mounting Hole Diameter (mm)	22	22	22	30	30	30	30	—
AC/DC	DC	DC	DC	DC	DC	DC	DC	DC
IP Rating	IP66, IP67, IP69K	IP67, IP69K	IP65	IP67, IP69K	IP65, IP67, IP69K	IP67, IP69K	IP65	IP66, IP67
Programmable	PRO	PRO IO-Link PICK-IQ	PRO	PRO IO-Link PICK-IQ	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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