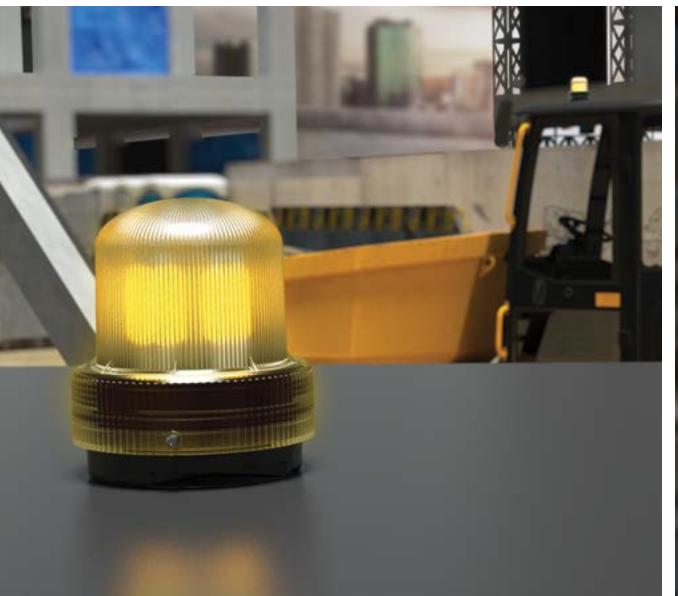
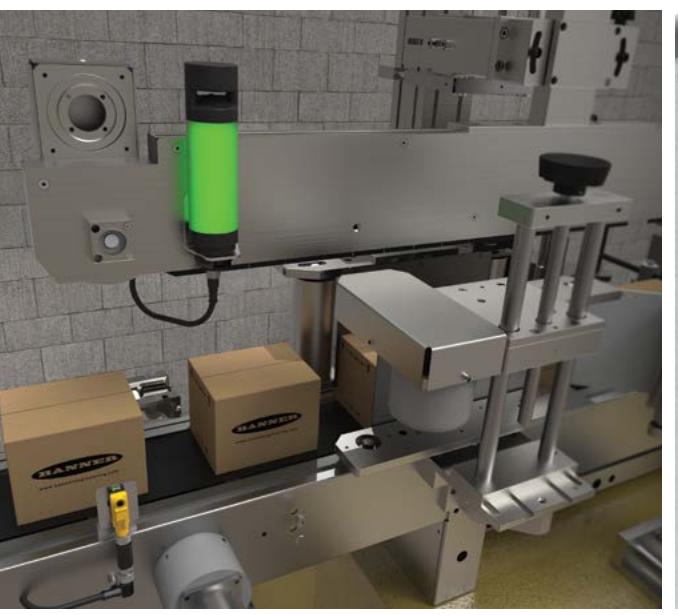
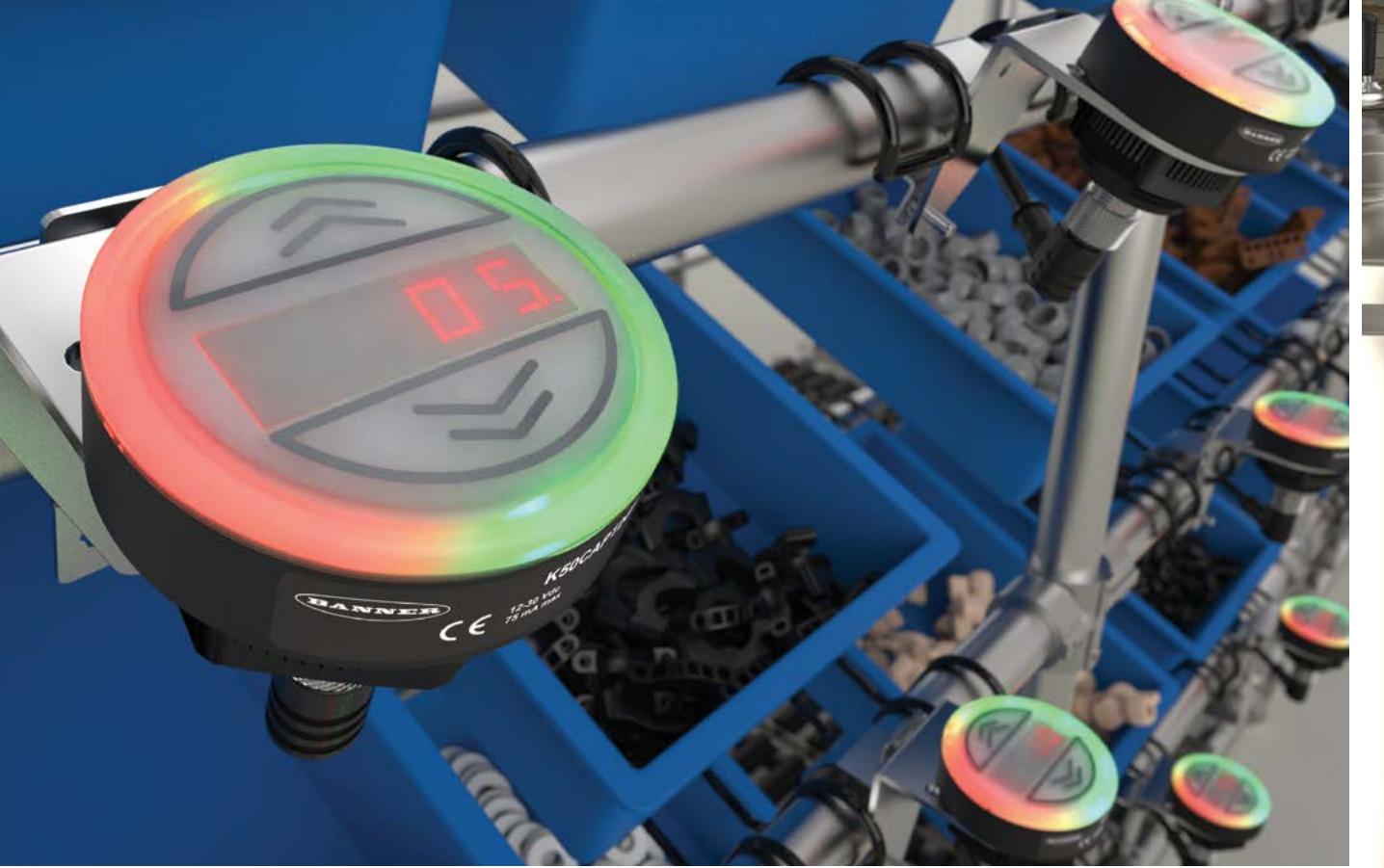


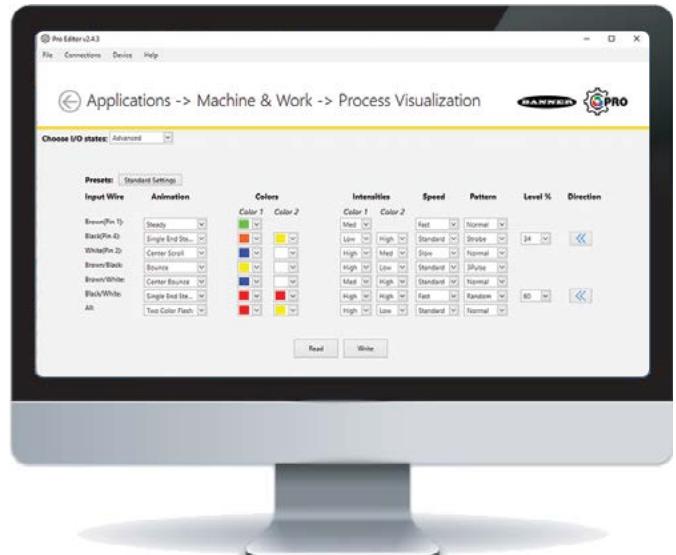
# Lighting and Indication Selection Guide





# 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.



S15L Pro    S22 Pro Indicator and Touch Button    K30 Pro Indicator, Touch, and Optical    K50 Pro Indicator, Touch, and Optical    LCA130T    CL50 Pro



✓    ✓    ✓    ✓    ✓    ✓



✓       ✓    ✓    ✓    ✓



✓       ✓    ✓    ✓   



## Technologies



allows simple configuration via discrete inputs with advanced options for colors, animations, logic, and much more.



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.



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.

## Modes and Animations



Spectrum



50/50



Rotate



Timer



Scroll



Bounce



Flash



Strobe



Counter



Level



TL50 Pro    TL70 Pro    K90 Pro    K100 Pro    TLF100 Pro    WLF12 Pro    WLS15 Pro    WLS27 Pro    RLS27 Pro    WLS28 Pro    PTL10

✓    ✓    ✓    ✓    ✓    ✓    ✓    ✓    ✓    ✓    ✓

✓    ✓    ✓       ✓    ✓    ✓    ✓    ✓    ✓    ✓

✓



Programmable LED indicators offer multiple color choices in a single housing

# LED Task Lighting Selection Guide



Series Name	WLF12	WLS15	WLS27	RLS27	WLS28-2
-------------	-------	-------	-------	-------	---------

Length (mm)	300 to 4000	220 to 1200	145 to 1130	285 to 2270	145 to 1130
-------------	-------------	-------------	-------------	-------------	-------------

AC/DC	DC	DC	DC	DC	DC
-------	----	----	----	----	----

White Lumens per Foot (300 mm)	285	350 standard 750 high intensity	800	850	800
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IP Rating	IP66, IP67, IP69K	IP66, IP67	IP66, IP67, IP69K	IP67, IP69K	Unsealed: IP50 Sealed: IP67, IP69K
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RGB Programmable	 	 	 	 	 
------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Color Options	✓	✓	✓	✓	✓
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Hazardous Location Models	HLS27	HLS28
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WLB32	WLS70	WLB72	WLB92	BL60	WLC60	WLH60 High Temp
-------	-------	-------	-------	------	-------	-----------------

285 to 1130	300 to 1200	1200 and 2400	550 and 1100	340 and 640	340 and 640	340 and 640
-------------	-------------	---------------	--------------	-------------	-------------	-------------

AC and DC	AC and DC	AC	AC and DC	DC	DC	DC
-----------	-----------	----	-----------	----	----	----

750	1350	1700	1755	1375	1300	1150
-----	------	------	------	------	------	------

IP50	IP65	IP20	IP40	IP67, IP68g, IP69K	IP68, IP68g, IP69K	IP68, IP69K
------	------	------	------	--------------------	--------------------	-------------

✓
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# LED Task Lighting

## Selection Guide



Series Name	S15WL	WL50S	WL50-3
-------------	-------	-------	--------

Dimensions (mm)	ø 15	ø 50	ø 50
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AC/DC	DC	DC	DC
-------	----	----	----

White Lumens	55	295	300
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IP Rating	IP65, IP67, IP68	IP67, IP69K	IP67, IP69K
-----------	------------------	-------------	-------------



RGB  
Programmable

Color Options		✓	
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Series Name	GS60	WLC90	WLR95	WLA-2
-------------	------	-------	-------	-------

Dimensions (mm)	ø 60	89 x 91	94 x 49	105 x 180 to 360 x 180
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AC/DC	DC	DC	DC	DC
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White Lumens	300	700	600	1025 per 85 mm panel
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IP Rating	IP66, IP67	IP68, IP68g, IP69K	IP65, IP67, IP68	Sealed: IP67, IP69K Encapsulated: IP67, IP68, IP69K
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✓		✓	
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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
RGB Programmable					
Audible	✓		✓	✓	✓
Daylight Visible					
Wireless					✓
Modular Construction	✓				
EtherNet/IP and PROFINET					
Modbus					



TL50 Series	TL50C Series	TL50BL Series	TL70 Series	TLF100 Pro
50	50	50	70	100
30	30	30	30	—
AC or DC	AC or DC	AC or DC	AC or DC	DC
IP67	IP67	IP67	IP65	IP65, IP69K
✓	✓	✓	✓	✓
✓		✓		✓
			✓	
			✓	
			✓	
			✓	

✓	✓	✓	✓	✓
✓		✓		✓
			✓	
			✓	
			✓	



Programmable LED indicators offer multiple color choices in a single housing

# Indicators Selection Guide



Series Name	S15L Pro	S18L/S22L	S22 Pro	WLF12 Pro	WLS15 Pro	WLS27 Pro	RLS27 Pro
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Housing Diameter (mm)	15	18	20	12	15	27	27
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Mounting Hole Diameter (mm)	—	18/22	22	—	—	—	—
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AC/DC	DC						
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IP Rating	IP66, IP67, IP68	IP67, IP69K	IP66, IP67, IP69K	IP66, IP67, IP69K	IP66, IP67	IP66, IP67, IP69K	IP67, IP69K
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RGB Programmable						
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Audible							
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Daylight Visible	✓				✓		
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WLS28 Pro	CL50 Series	K30 Series	K50 Series	K70 Core	K90 Series	K100 Pro
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28	50	30	50	70	90	100
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—	30	30	30	30	30	36
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DC	AC or DC	DC	DC	DC	DC	AC or DC
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Unsealed: IP50 Sealed: IP67, IP69K	IP67	IP67, IP69K	IP65, IP67, IP69K	IP65	IP66, IP67	IP69K
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	✓		✓			✓
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			✓			
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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
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Indicator Diameter (mm)	22	30	30	50
Mounting Hole Diameter (mm)	22	22	22	30

AC/DC	DC	DC	DC	DC
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IP Rating	IP66, IP67, IP69K	IP67, IP69K	IP65	IP67, IP69K
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RGB Programmable				
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Audible				
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K50 Touch Series	K50 Pro Touch Display	K70 Touch Series	PTL110
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50	50	70	15
30	30	30	—

DC	DC	DC	DC
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IP65, IP67, IP69K	IP67, IP69K	IP65	IP66, IP67
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✓		✓	
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# Smarter Automation. Better 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.

