Lighting and Indication Selection Guide

BANNINIER





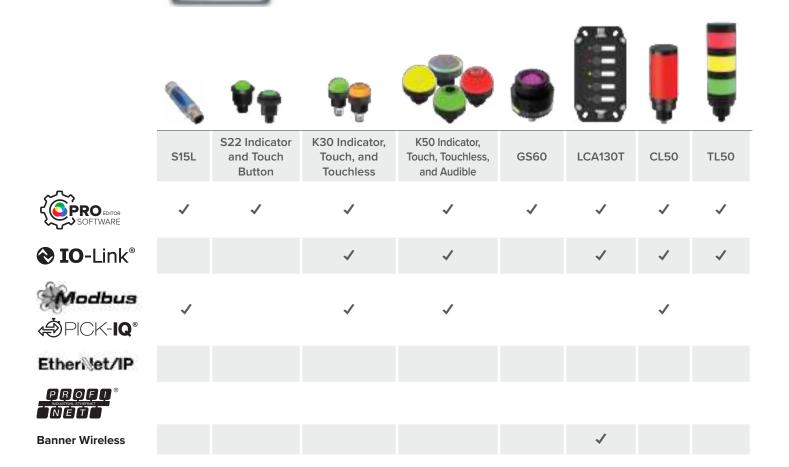
Programmable Lighting

The Programmable Series configurable multicolor LED devices from Banner Engineering offer limitless possibilities for advanced indication of dynamic machine states, operator interaction, and process status. The Programmable 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 Programmable Series use Discrete I/O, IO-Link, Ethernet, or Modbus for real-time communication across your factory.



Software for Configurable Devices

Banner's free Pro Editor Software allows users to configure device status, colors, animations, and much more for control via discrete inputs, bringing intuitive indication and interaction to the visual factory. Configurable 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, or communicating multiple machine states.



Technologies



allows control via discrete inputs with advanced software configuration of colors, logic, modes, and 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 serial data communication protocol that is based on a request-response model.



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.



is an industrial network protocol that adapts the Common Industrial Protocol to standard Ethernet.



is an industrial network protocol for data communication over Industrial Ethernet

Modes and Applications

Equipment Status Translate machine outputs to actionable information

Assembly Instructions

Step through sequential operator guidance

Measurement Convert and display

dynamic sensor outputs like distance, level, and more

Timer Start, stop, and reset the

timer to display takt time

and more

Counter

Increase or decrease the count value based on input pulses







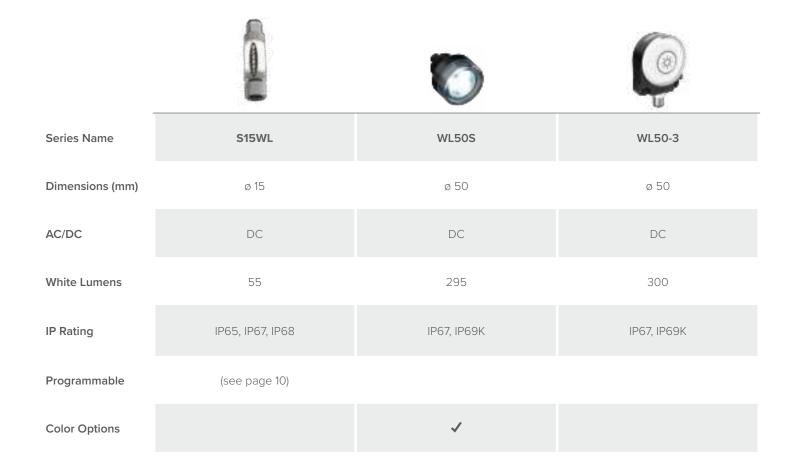
Illumination Selection Guide







Spot and Area Lights Selection Guide







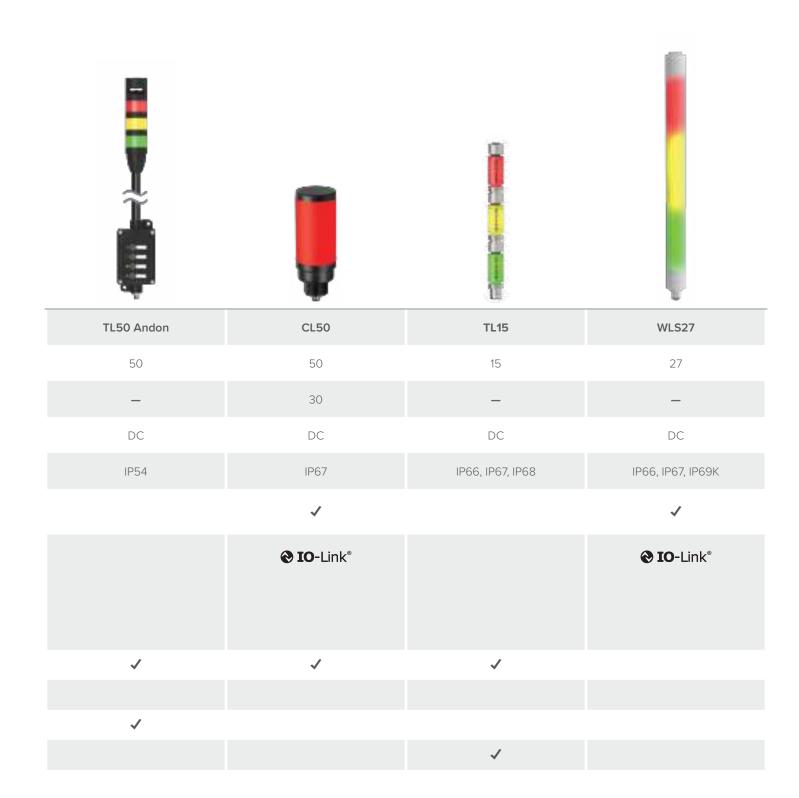




GS60	WLC90	WLR95	WLA-2
ø 60	89 x 91	94 x 49	105 x 180 to 360 x 180
DC	DC	DC	DC
300	700	600	1025 per 85 mm panel
IP66, IP67	IP68, IP68g, IP69K	IP65, IP67, IP68	Sealed: IP67, IP69K Encapsulated: IP67, IP68, IP69K
(see page 10)			
✓		✓	

Tower Lights Selection Guide

Series Name	TL30	TL50	TL70	TLF100
Segment Diameter (mm)	30	50	70	100
Mounting Hole Diameter (mm)	30	30	30	-
AC/DC	DC	AC or DC	AC or DC	DC
IP Rating	IP65	IP65, IP67	IP65	IP65, IP69K
Programmable		✓	✓	✓
Communication Protocol		© IO -Link [®]	② IO -Link® Modbus Etherilet/IP PROPT® NETT	♦ IO -Link®
Audible	✓	✓	✓	✓
Daylight Visible		✓		✓
Wireless			✓	
Modular Construction			✓	

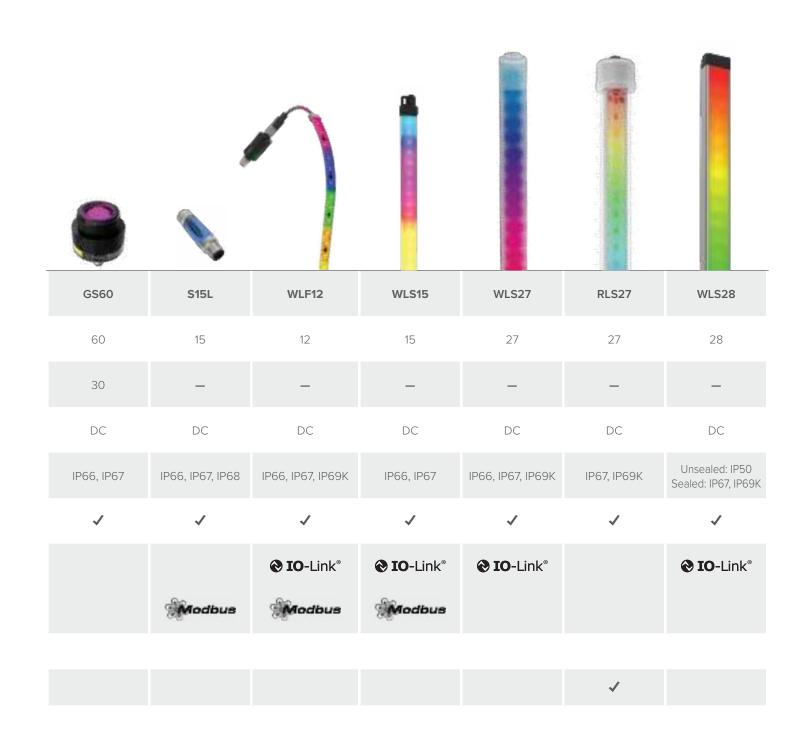






Indicators **Selection Guide**

	•						
Series Name	S18L/S22L	S22	K30	K50	K70	K90	K100
Housing Diameter (mm)	18 or 22	22	30	50	70	90	100
Mounting Hole Diameter (mm)	18/22	22	30	30	30	30	36
AC/DC	DC	DC	DC	DC	DC	DC	AC or DC
IP Rating	IP67, IP69K	IP66, IP67, IP69K	IP67, IP69K	IP65, IP67, IP69K	IP65	IP66, IP67	IP69K
Programmable		✓	✓	✓		✓	✓ (DC models only)
Communication Protocol			⊘ IO -Link°	♦ IO -Link®		♦ IO -Link®	
Audible				✓			✓
Daylight Visible	✓			✓			✓





Touch Button and Pick-to-Light **Selection Guide**

Series Name	S22 Touch	K30 Touch	K50 Touch	K70 Touch
Indicator Diameter (mm)	22	30	50	70
Mounting Hole Diameter (mm)	22	22	30	30
AC/DC	DC	DC	DC	DC
IP Rating	IP66, IP67, IP69K	IP67, IP69K	IP65, IP66, IP67, IP69K	IP65
Programmable	✓	✓	✓	✓
Communication Protocol		⊘ IO-Link ° ⋰ PICK-IQ°	⊘ IO-Link® ⋰ PICK-IQ®	
Sensor Range	-	-	-	-
Audible			✓	✓





Display Selection Guide











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.







