EZ-LIGHT™ Pick-to-Light Sensors and Actuators

- 150 mm (6") pigtail quick-disconnect (PUR) with common Euro/M12 connection for quick and easy installation
- K50/K80 dome-style indicators with sensors or push-button actuators
- VTB smart, verification touch buttons for many applications

K80

- 50 mm dome/Flat or DIN-mount
- Thermoplastic polyester

K50

- 50 mm dome/30 mm mount
- Thermoplastic polyester

K50 & K80 Series: Pick-to-Light/Single-Point Sensing with Integrated Pick, Sensing Acknowledgement and "Mispick" Light

- Pick light is ON at all times while job input is active (unless hand is present).
- Presence of hand (or pressing push button) activates output and turns pick light Yellow for visual verification that action was sensed.
- Presence of hand (or pressing push button) while job input is not active turns light Red signaling a mispick (depending on model).

Connection: 150 mm (6")
PUR Pigtail QD

C models:
4-pin Euro/M12 QD

C3 and C4 models:
5-pin Euro/M12 QD

Models			Sensing Mode/LED*	Range	Output**	Output Type†
Green with Yellow Sensing Acknowledgement (C)	Green with Yellow Sensing Acknowledgement & Red Mispick Light (C3)	Green with Yellow Sensing Acknowledgement & Red Mispick Light (5-Second OFF-Delay) (C4)				
K50RPLPGYCQPMA	K50RPLPGRYC3QPMA	K50RPLPGRYC4QPMA	P O R RETRO	2 m	NC	PNP
K50APFF50GYCQPMA	K50APFF50GRYC3QPMA	K50APFF50GRYC4QPMA	E E	50 mm	NO	
K50APFF100GYCQPMA	K50APFF100GRYC3QPMA	K50APFF100GRYC4QPMA		100 mm		
K50APPBGYCQPMA	K50APPBGRYC3QPMA	K50APPBGRYC4QPMA	PUSH-BUTTON	—	NO	
K80APPBGYCQPMA	K80APPBGRYC3QPMA	K80APPBGRYC4QPMA				

* ➡ Visible Red LED ⇨ Infrared LED NO = Normally Open, NC = Normally Closed
** Models listed turn output ON when hand is present. Alternate models are available.
† PNP models are listed. For NPN model, replace **P** in model number with **N** (example, **K50RNLPGRYC3QPMA**).

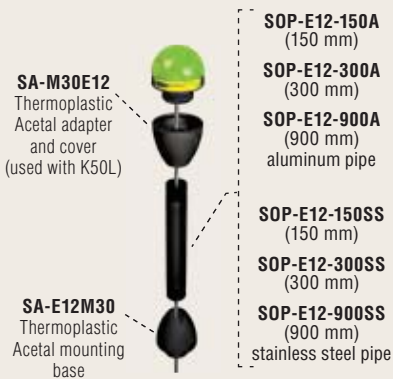
VTB Series: Ergo Actuators with Integrated Pick Light

- Illuminated base provides an easy-to-see pick light.
- Ergonomically designed touch buttons used for part-pick, material call and andon applications.
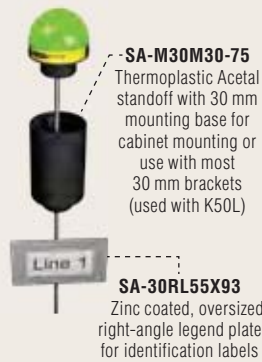
Models	Upper Housing	Connection	Pulse* (OFF delay)	Output Type**	Pick Light
VTBP6QPMA12	Polysulfone	150 mm (6") 4-Pin Euro/M12 Pigtail QD	500 ms	PNP	Green
VTBP6RQPMA12					Red
VTBP6BQPMA12					Blue
VTBP6GRQPMA12†		150 mm (6") 5-Pin Euro/M12 Pigtail QD			Green & Red

* 500 millisecond OFF-delay feature to compensate for slow networks and long scan times.
** PNP models are listed. For NPN model, replace **P** in model number with **N** (example, **VTBN6QPMA12**).
† 2-color model requires access to 5 pins (I/O blocks may require two ports).

Mounting Accessories—Elevated Use (Standoff Pipe, Enclosure Mounts and Hanging Brackets)

SA-M30E12
Thermoplastic Acetal adapter and cover (used with K50L)

SOP-E12-150A (150 mm)
SOP-E12-300A (300 mm)
SOP-E12-900A (900 mm) aluminum pipe

SOP-E12-150SS (150 mm)
SOP-E12-300SS (300 mm)
SOP-E12-900SS (900 mm) stainless steel pipe

SA-E12M30
Thermoplastic Acetal mounting base

SA-M30M30-75
Thermoplastic Acetal standoff with 30 mm mounting base for cabinet mounting or use with most 30 mm brackets (used with K50L)

SA-30RL55X93
Zinc coated, oversized right-angle legend plate for identification labels

Line 1

SA-M22M22-50
Thermoplastic Acetal standoff with 22.5 mm mounting base for cabinet mounting (used with K30L)

SMBE12USS
Stainless steel bracket for wall or other flat surfaces (used with K50L)

SA-30DRL55X93C
Zinc coated bracket with strain relief for mounting two devices

SA-30RL55X93C
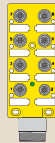Zinc coated bracket with strain relief (used with K50 or VTB)

EZ-LIGHT™ TL50 Tower Light

- Preassembled and preconfigured multi-segment indicators
- Robust IP67-rated, water and oil-tight industrial housings for direct machine mounting
- Up to 5 colors in a single tower; multiple lights can be on simultaneously
- Low-power consumption (2 watts vs. 15 watts) and long life (100,000 hours typical)

Connection: 150 mm (6")
5-pin Euro/M12
PUR Pigtail QD

Compatibility: I/O Block

EZ-LIGHT™ TL50 Tower Lights:
Three-Function—I/O Block Compatible (single "2-output" port)

PNP Models	Color Count	Audible Alert	Function*	Hookup
TL50GYR6PQPMA	3	—	**3 Color Logic:** Green (Pin 4) Red (Pin 2) Yellow (Pin 2 & 4)	Indicator Color
TL50GRA6PQPMA	2	**Max. Intensity:** 95 db @ 1 m	**2-Color & Audible Logic:** Green (Pin 4) Red (Pin 2) Audible (Pin 2 & 4)	

* Contact factory for other I/O block compatible color configurations and audible options.

More I/O Block Compatible Models!

Audible only

Single-color

One Function:
I/O block compatible on pin 4. Visit bannerengineering.com/build_tl50 for single-color and audible only models.

Two Function: TL50 X X 1QPMA
C1 C2/A
Two-function models are I/O block compatible with a single "2-output" port (C1 = Pin 4, C2/A = Pin 2).
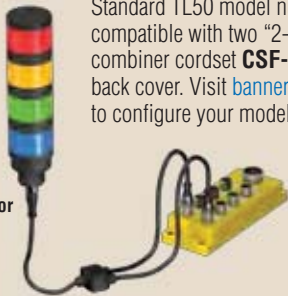
Two-color

One-color with Audible

Three or Four Function:
Standard TL50 model numbers are I/O block compatible with two "2-output" ports using combiner cordset **CSF-M12F51M12M41**, see back cover. Visit bannerengineering.com/build_tl50 to configure your models.

Four-color

Specialty Solutions

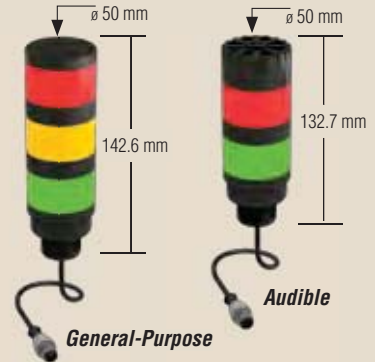**Models with 2 or 3 Pigtail QDs for Special Applications**
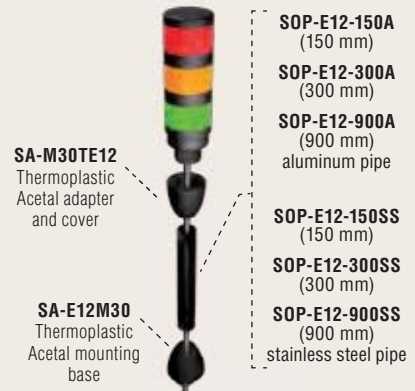
EZ-LIGHT™ Wireless Solutions

SureCross® Wireless I/O Network

Contact Banner or your local authorized distributor.

Dimensions

ø 50 mm

ø 50 mm

142.6 mm

132.7 mm

General-Purpose

Audible

Mounting Accessories—Elevated Use
(Standoff Pipe, Extensions and Brackets)

SOP-E12-150A (150 mm)
SOP-E12-300A (300 mm)
SOP-E12-900A (900 mm) aluminum pipe

SA-M30TE12 Thermoplastic Acetal adapter and cover

SOP-E12-150SS (150 mm)
SOP-E12-300SS (300 mm)
SOP-E12-900SS (900 mm) stainless steel pipe

SA-E12M30 Thermoplastic Acetal mounting base

Legend Plates
SA-30RL38X76X3 (3 light)
SA-30RL38X76X4 (4 light)
SA-30RL38X76X5 (5 light)

Zinc coated, oversized legend plates for identification labels

SMBE12USS Stainless steel bracket for wall or other flat surfaces

Additional brackets shown on back of cover