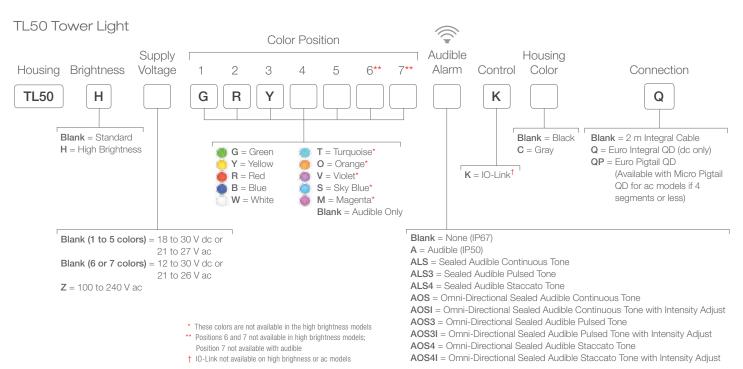




Tower Lights

- · Exceptionally bright with a long, visible indication range
- Install quickly and easily with no assembly required
- Clearly evident on/off status
- Versatile mounting options
- Compact, sleek, rugged design with IP67 models available
- Audible alert: continuous, pulsed and staccato models available
- Models available with IO-Link communication
- Cordsets and brackets see page 432

LASER MARKING AVAILABLE



For more specifications see page 421

Connection options: A model with a QD requires a mating cordset (see page 432).

PICK-TO-LIGHT











All models available in black or gray

TL50

	Tower Height (H)	Tower Height (H)	Tower Height (H)	Tower Height (H)	Tower Height (H)
Color Count	General-Purpose IP67	Audible [†] IP50	Sealed Audible IP67	Sealed Omni-Directional IP67	AC
0	_	92.0 mm	74.4 mm	88.4 mm	Add 69 mm to any of these heights to get total height
1	61.2 mm	92.0 mm	115.1 mm	129.1 mm	
2	101.9 mm	132.7 mm	155.8 mm	169.8 mm	
3	142.6 mm	173.4 mm	196.5 mm	210.5 mm	
4	183.3 mm	214.1 mm	237.2 mm	-	
5	224.0 mm	254.8 mm	277.9 mm	291.1 mm	
6	264.7 mm	298.5 mm	318.6 mm	332.6 mm	-
7	305.4 mm	_	_	_	_

[†] Tower height (H) with top unscrewed approximately 3.5 mm to allow sound to escape.



Audible max. intensity 92 db @ 1 meter (typical)



Sealed Audible max. intensity 94 db @ 1 meter (typical)



Sealed Omni-Directional Audible max. intensity 99 db @ 1 meter (typical)

Sure Cross® Wireless I/O & EZ-LIGHT® Indicators
Machine monitoring enables an entirely new category of applications and machine diagnostics free from wired limitation.
Contact factory for information.



Building a Tower Light

www.bannerengineering.com/towerlights

Choose Type 1



Standard High Intensity Daylight Visible Standard with IO-Link

Audible or No Audible 2



Audible max. intensity 92 db @ 1 meter (typical)



Sealed Audible max. intensity 94 db @ 1 meter (typical)



Sealed Omni-Directional Audible max. intensity 99 db @ 1 meter (typical)

Lighting Options/ Function 3



Connections

4



Integral QD Eu



Euro Pigtail

Integral Cable

Housing Color







TL50 Specifications

Supply Voltage and Current	DC models: 18 to 30 V dc (10% max. ripple); or 21 to 27 V ac Standard Brightness: Indicators: 45 mA max. current per LED color Standard Audible Alarm (IP50): @ 25 mA max. current Sealed Audible Alarm (IP67): 35 mA max. current Omni-Directional Sealed Audible Alarm: 45 mA max. current High Brightness: max. current per LED color: Indicators: 18 V dc—100 mA; 30 V dc—60 mA; 21 V ac—80 mA; 27 V ac—70 mA Standard Audible (IP50): 25 mA max. current Sealed Audible Alarm (IP67): 35 mA max. current Audible only: @ 45mA max. AC models: 100 to 240 V ac; 50 or 60 Hz		
Indicators	LEDs are independently selected — Green, Yellow, Red, Blue, White, Turquoise, Orange, Violet, Sky Blue or Magenta; 1-7 colors depending on model		
Supply Protection Circuity	Protected against reverse polarity and transient voltages		
Input Response Time	Indicators ON/OFF (dc): 10 milliseconds (max.) Indicators ON/OFF (ac): 500 milliseconds (max.)		
Audible Alarm	Audible measurements are made in the direction sound exits the device. For standard audible models, this is the top of the unit (when mounted vertically, sound is directed toward the ceiling). For sealed audible models (IP67), sound exits the vented openings in the side of the unit, which should be oriented so that the sound is directed toward the machine operator(s). In environments with high ambient noise levels or high ceilings that absorb sound, the sealed version is recommended. Standard Audible Alarm: 2.7 KHz ± 500 Hz oscillation frequency; max. intensity 92 db @ 1 meter (typical) Sealed Audible Alarm: 29 KHz to 250 Hz oscillation frequency; max. intensity 94 db @ 1 meter (typical) Omni-Directional Sealed Audible Alarm with Intensity Adjustment: 2.1 KHz ± 250 Hz oscillation frequency; max intensity 95 dB at 1 meter (3.3 ft) (typical)		
Audible Adjustments	Standard Audible Alarm: Unscrew the cover (up to 1.5 turns max.) to adjust the audible intensity. (Do not exceed 1.5 turns or the cover may detach during operation.) For max. intensity, rotate the center plug 180° counterclockwise to remove it. Sealed Audible Alarm and Omni-Directional Sealed Audible Alarm with Intensity Adjustment: Rotate the front cover until the desired intensity is reached.		
Construction	Bases and Covers: ABS Light Segment: Polycarbonate		
Environmental Rating	General-Purpose: IEC IP67 Audible: IEC IP50 or IEC IP67, depending on model		
Operating Conditions	General-Purpose: -40 to +50 °C Audible: -20 to +50 °C Relative Humidity: 95% @ 50 °C (non-condensing) Storage Temperature: -40 to +70 °C		
Certifications	C € ® IO -Link®		