



Tower Lights

Banner's Tower Lights are designed to be exceptionally bright with a long, visible indication range, providing excellent operational status for workers and supervisors. Several models are available for use in a variety of environments, including options with audible alerts.

Series	Description	Number of Segments	Brightness	Dimensions	Power Supply	Communication
	TL70 Designed to be exceptionally bright with a long, visible indication range, providing excellent operational status for workers and supervisors. page 414	1 to 6	High-Brightness	30 mm base Height varies by model	DC or AC models available	Wireless option
	TL50 Designed to be exceptionally bright with a long, visible indication range, providing excellent operational status for workers and supervisors. page 418	1 to 7	Standard or High-Brightness	30 mm base Height varies by model	DC or AC models available	IO-Link option
	TL50C Compact design makes them ideal for status indication on small to mid-size pieces of equipment. page 422	1 to 7	Standard	30 mm base Height varies by model	DC or AC models available	NA
	TL50BL Extremely rugged and built for use in the toughest industrial environments. With a sleek and stylish design, the TL50 Beacon's housing is UV stabilized, making it suitable for use in outdoor environments. page 426	1 to 5	Daylight Visible	30 mm base Height varies by model	DC or AC models available	NA
	CL50 Illumination provides easy-to-see operator guidance and equipment status indication for workers and supervisors. page 430	1	Standard	30 mm base Height varies by model	DC or AC models available	NA

TL70 Series

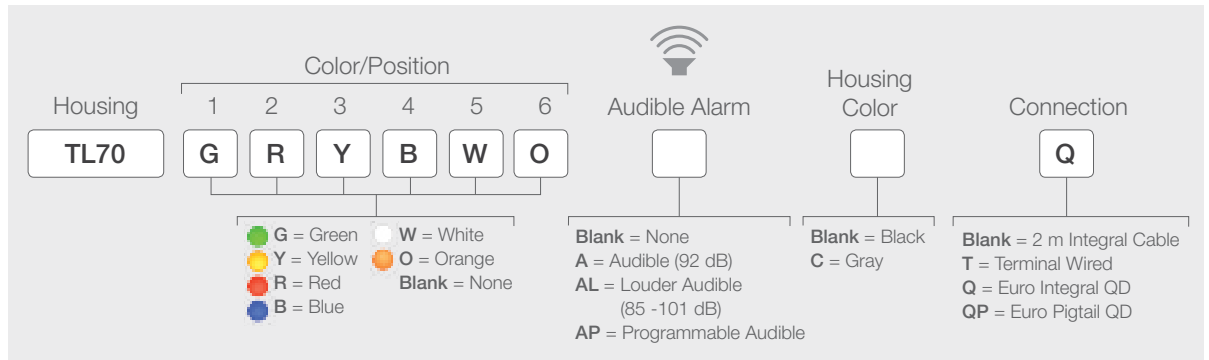
Tower Lights



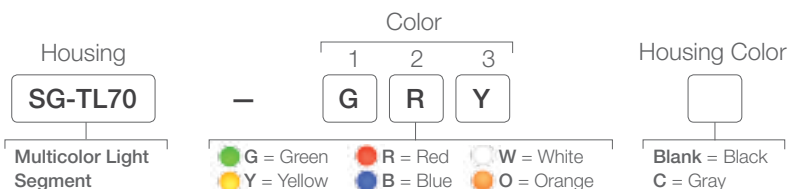
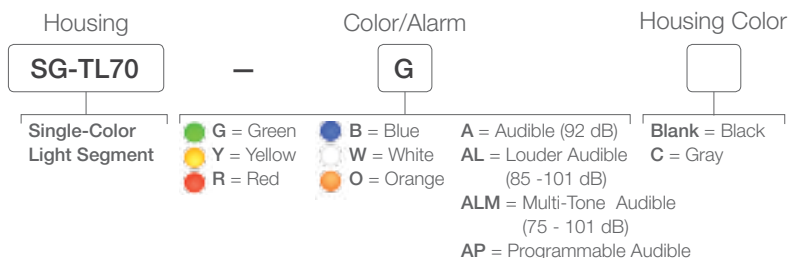
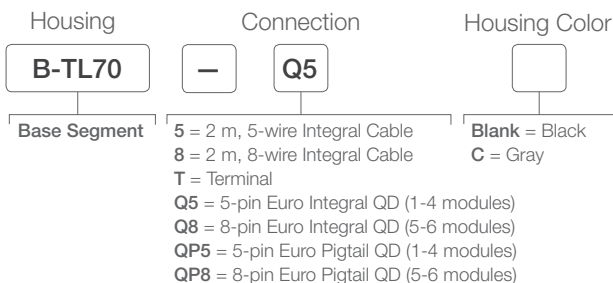
- Light segments have user-selectable solid ON or flashing
- Up to light segments (six color options) or five segments plus an audible in one device
- Rugged, water-resistant IP65 housing with UV stabilized material
- Bright, uniform indicator segments appear gray when off to eliminate false indication from ambient light
- Cordsets and brackets see page 432

LASER
MARKING
AVAILABLE

Preassembled TL70 DC Tower Lights



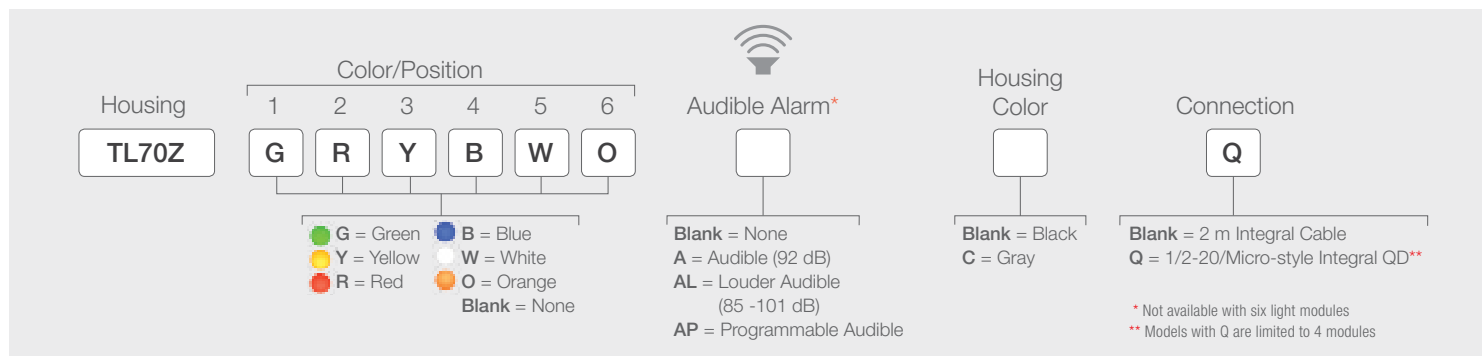
Build Your Own TL70 DC Tower Lights



For more specifications see page 417.

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

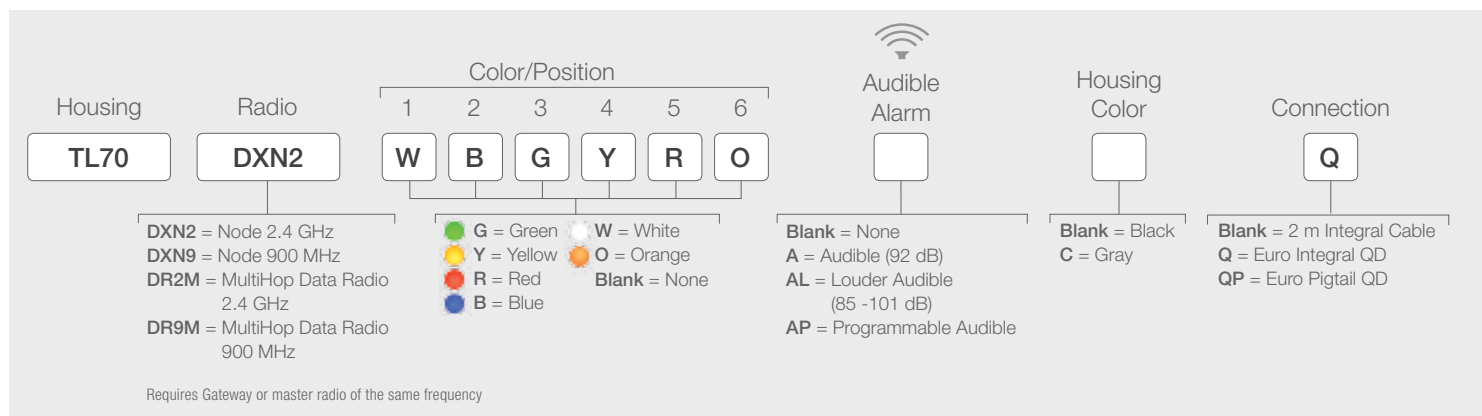
Preassembled TL70 AC Tower Lights



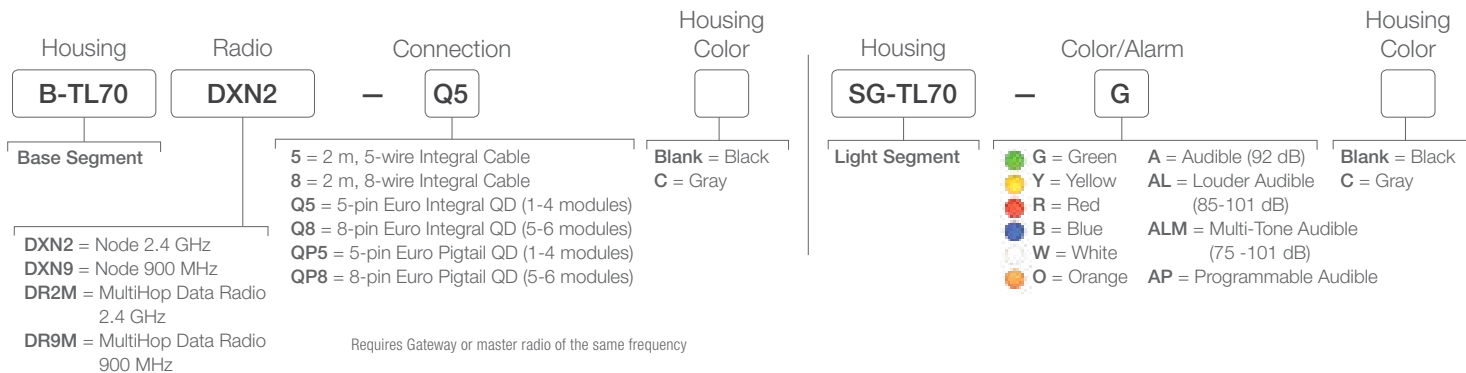
Build Your Own TL70 AC Tower Lights



Preassembled TL70 Wireless Tower Lights



Build Your Own TL70 Wireless Tower Lights



For more specifications see page 417.

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

Building a Tower Light

www.bannerengineering.com/towerlights

Choose
Type

1



Standard dc, Wireless, or ac

Audible or
No Audible

2



Sealed Omni-Directional Audible

Number of
Lighting
Segments

3



Position 6 (Light or Audible)

Position 5

Position 4

Position 3

Position 2

Position 1

Base

Connections

4



Integral QD



Euro Pigtail



Integral Cable



Terminal Wired

Housing
Color

5





TL70

Color Count	AC Tower Height (H)	AC Tower Height with Audible (H)	DC Tower Height (H)	DC Tower Height with Audible (H)
1	155.6 mm	212.3 mm	87.6 mm	144.3 mm
2	205.3 mm	262.0 mm	137.3 mm	194.0 mm
3	255.0 mm	311.7 mm	187.0 mm	243.7 mm
4	304.7 mm	361.4 mm	236.7 mm	293.4 mm
5	354.4 mm	411.1 mm	286.4 mm	343.1 mm
6	404.1 mm	NA	336.1 mm	NA

TL70 Specifications

Supply Voltage and Current	12 to 30 V dc Indicators—Maximum current per LED color: Blue, Green, White: 420 mA at 12 V dc; 145 mA at 30 V dc Red, Yellow, Orange: 285 mA at 12 V dc; 120 mA at 30 V dc Audible: Standard: 30 mA at 12 to 30 V dc Loud: 350 mA at 12 V dc; 110 mA at 30 V dc Multitone: 270 mA at 12 V dc; 110 mA at 30 V dc Programmable: 250 mA at 12 V dc; 110 mA at 30 V dc		100 to 240 V ac; 50/60 Hz Maximum current per color or audible module: 70 mA at 120 V ac and 60 Hz 50 mA at 230 V ac and 50 Hz
Supply Protection Circuitry	Protected against reverse polarity and transient voltages		
Indicator Response Time	DC models: OFF Response: 150 μs (maximum) at 12 to 30 V dc ON Response: 180 ms (maximum) at 12 V dc; 50 ms (maximum) at 30 V dc		AC models: OFF Response: 150 μs (maximum) at 12 to 30 V dc ON Response: 180 ms (maximum) at 12 V dc; 50 ms (maximum) at 30 V dc
Audible Alarm	2.6 KHz $\pm$ 250 Hz oscillation frequency; maximum intensity 92 dB at 1 m (3.3 ft) (typical)		
Audible Adjustments	Rotate the cover until the desired volume is reached Change in sound intensity from fully open to fully closed is 8 dB		
Radio Range* (Wireless Models)	900 MHz, 1 Watt (Internal antenna): Up to 3.2 km (2 miles) 2.4 GHz, 65 mW (Internal antenna): Up to 1000 m (3280 ft) with line of sight		
Minimum Separation Distance (Wireless Models)	900 MHz, 1 Watt: 4.57 m (15 ft) 2.4 GHz, 65 mW: 0.3 m (1 ft)		
Construction	Bases, segments and Covers: Polycarbonate		
Environmental Rating	IEC IP65		
Operating Conditions	-40 to +50 °C Relative Humidity: 95% @ 50 °C (non-condensing) Storage Temperature: -40 to +70 °C		
Certifications			

* Radio range significantly decreases without line of sight. Always verify your wireless network's range by running a site survey.