

## Models

### *TL70 Multicolor Segments - Model Key*

Housing	—	Colors			Housing Color	Example Models	
SG-TL70	—	G	Y	R			
TL70 Segment		G = Green			Blank = Black	SG-TL70-GYR (3 color: green, yellow, red)	
		Y = Yellow				SG-TL70-GR (2 colors: green, red)	
		R = red			C = Gray	SG-TL70-GY (2 colors: green, yellow)	
		B = Blue					
		W = White					

For more information regarding TL70 Modular Tower Light Final Assemblies, refer to the following documents:

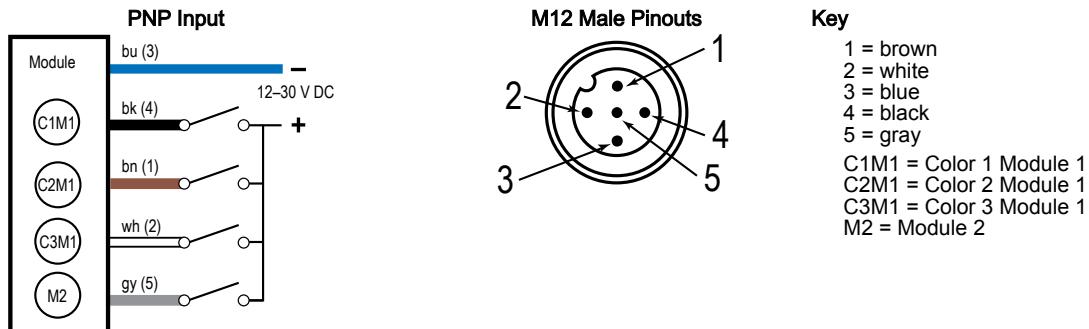
- TL70 Modular Tower Light Final Assembly Datasheet (p/n 182214)
- TL70 Wireless Modular Tower Light Datasheet (p/n 185469)
- TL70 Modular Tower Light Final Assembly For AC Datasheet (p/n 191349)

## Configuring the Module

	Assembly Options	DIP Switches		
		1	2	
	Light Module Flash Rate	3 Hz	ON	OFF
		1.5 Hz	ON	ON
		Solid On*	OFF	OFF

\* Factory default setting

## Wiring



## Specifications

## Supply Voltage and Current

12 V DC to 30 V DC

#### Indicators - Maximum current per LED color:

Blue, Green, White: 420 mA at 12 V DC; 150 mA at 30 V DC

Red, Yellow: 285 mA at 12 V DC; 120 mA at 30 V DC

## Supply Protection Circuitry

Protected against transient voltages

### Indicator Response Time

Off Response: 150  $\mu$ s (maximum) at 12 V DC to 30 V DC

On Response: 180 ms (maximum) at 12 V DC; 50 ms (maximum) at 30 V DC



**Indicator Characteristics**

Color	Dominant Wavelength (nm) or Color Temperature (CCT)	Lumen Output (Typical at 25° C)
Green	525 nm	92
Red	625 nm	40
Yellow	590 nm	22
Blue	470 nm	32
White	5000 K	125

**Construction**

Bases, segments, covers: polycarbonate

**Indicators**

2 or 3 colors depending on model: Green, Red, Yellow, Blue, and White

Flash rates: 1.5 Hz ±10% and 3 Hz ±10%

LEDs are independently selected

**Operating Conditions**

–40 °C to +50 °C (–40 °F to +122 °F)

95% at +50 °C maximum relative humidity (non-condensing)

**Environmental Rating**

IP65

**Vibration and Mechanical Shock**

Vibration: 10 Hz to 55 Hz, 0.5 mm peak-to-peak amplitude per IEC 60068-2-6

Shock: 15G 11 ms duration, half sine wave per IEC 60068-2-27

**Required Overcurrent Protection**

**WARNING:** Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.

Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.

Supply wiring leads < 24 AWG shall not be spliced.

For additional product support, go to [www.bannerengineering.com](http://www.bannerengineering.com).

Supply Wiring (AWG)	Required Overcurrent Protection (A)	Supply Wiring (AWG)	Required Overcurrent Protection (A)
20	5.0	26	1.0
22	3.0	28	0.8
24	2.0	30	0.5

**Certifications**

Banner Engineering BV  
Park Lane, Culliganlaan 2F bus 3  
1831 Diegem, BELGIUM



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