Models

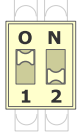
TL70 Multicolor Segments - Model Key

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

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)

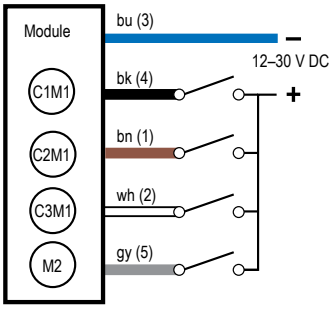
Configuring the Module

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

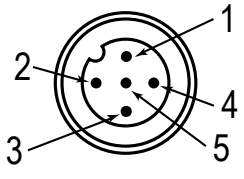
* Factory default setting

Wiring

PNP Input



M12 Male Pinouts



Key

1 = brown
2 = white
3 = blue
4 = black
5 = gray

C1M1 = Color 1 Module 1
C2M1 = Color 2 Module 1
C3M1 = Color 3 Module 1
M2 = Module 2

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 µs (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

Original Instructions
21-Aug-25

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188350
p/n: 188350 Rev. E

ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com

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.

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

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