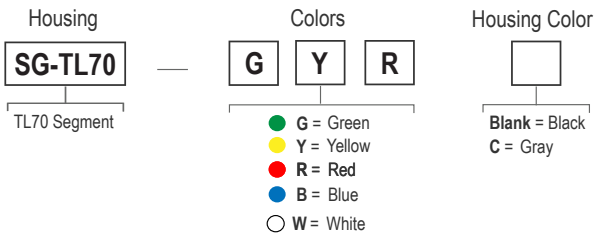


TL70 Multicolor Tower Light Module



Datasheet

TL70 Multicolor Segments



Example Models:

- SG-TL70GYR (3 color: green, yellow, red)
- SG-TL70GR (2 colors: green, red)
- SG-TL70GY (2 colors: green, yellow)

Configuring the Module

	Assembly Options	DIP Switches	
		1	2
	3 Hz	ON	OFF
	1.5 Hz	ON	ON
	Solid On*	OFF	OFF

* Factory default setting

Wiring Diagrams

Sourcing (PNP) Input	M12 Male Pinouts	Key
		<p>1 = brown 2 = white 3 = blue 4 = black 5 = gray</p> <p>C1M1 = Color 1 Module 1 C2M1 = Color 2 Module 1 C3M1 = Color 3 Module 1 M2 = Module 2</p>



Specifications

Supply Voltage and Current

12 to 30 V dc

Indicators - Maximum current per LED color:

Blue, Green, White: 430 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

Audible: 30 mA at 12 to 30 V dc

Supply Protection Circuitry

Protected against transient voltages

Indicator Response Time

Off Response: 150 μ s (maximum) at 12 to 30 V dc

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

Segment Lumens

Color	Typical Wavelength or Color Temp	Typical Intensity (lm)
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 \pm 10% and 3 Hz \pm 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

IEC IP65

Vibration and Mechanical Shock

Vibration 10 to 55 Hz 0.5 mm p-p amplitude per IEC60068-2-6

Shock 15G 11 ms duration, half sine wave per IEC60068-2-27

Certifications



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