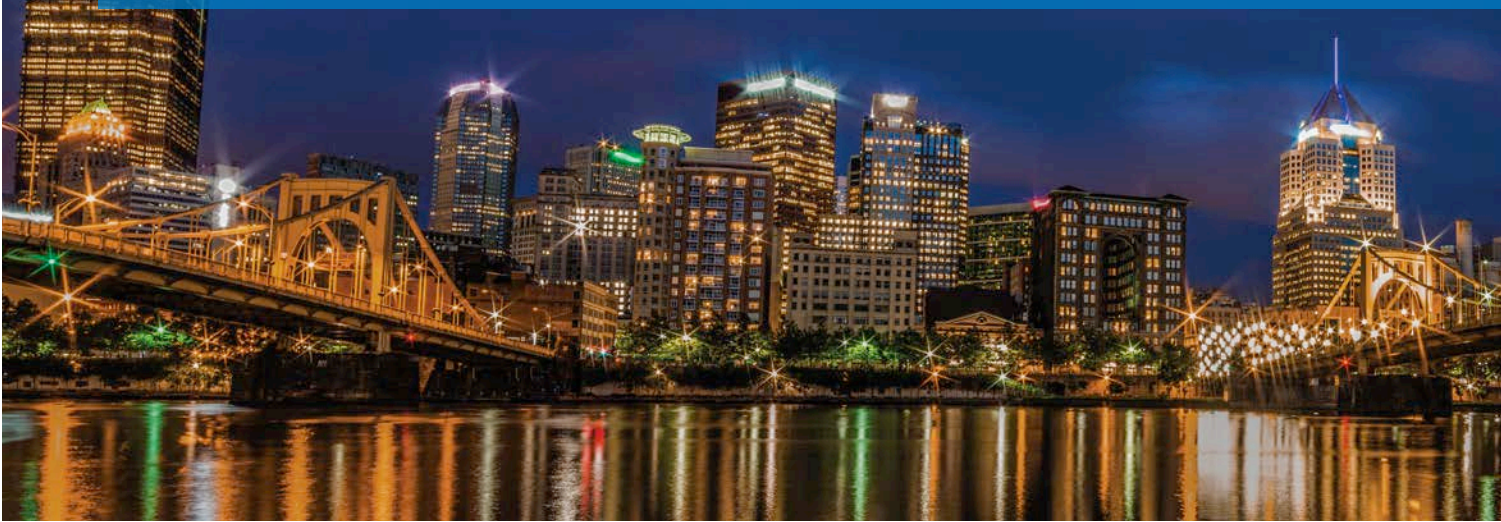


Stacklight

Network and underground
distribution solutions



Submersible stacklight indicator



The SSL-100-5 stacklight is a visual status indicator that displays equipment status by illuminating one or more of five sets of colored high-intensity LED lamps. The SSL-100 stacklight is packaged in a sealed PVC and polycarbonate non-corrosive housing/riser and is fully submersible rated IP68, which has been third-party certified. The stacklight is also available with a stainless steel riser and custom lengths.

Physical description

The SSL-100-5 stacklight indicator LEDs are housed in a 1.5-inch diameter by 13-inch tall clear UV-rated polycarbonate hollow tube. There are five colored LED banks: blue, red, green, amber and white. The clear polycarbonate tube sits on top of a 1/2 x 24 inch PVC or stainless steel riser that is designed to thread into the bulkhead junction box on the side of a network protector. The entire assembly is sealed and submersible.

Electrical connections

Each colored LED status indicator is powered by 120 Vac. Connections to the SSL-100 stacklight are made using six wires that exit the bottom of the threaded PVC riser. One of the wires is common and the other five wires can be individually energized to illuminate the desired color indicator. Nominal current draw per color is 12 mA at 120 Vac. The blue indicator LED flashes (NP ARMS indicator) at a 1 Hz rate when power is applied to its associated wire.

LED indicators

The colored status indications are obtained by using high-intensity long-life LEDs. The stacklight LED design is redundant and uses multiple rows of indication for reliability and superior indications.

There are five LED colors: blue, red, green, amber and white. For each color, there are four LED lamps that are arranged in the clear polycarbonate housing so that the light dispersion is visible 360 degrees around the stacklight. The stacklight was designed specifically for underground electrical vaults to meet harsh environmental and physical demands.

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The intensity of each LED lamp (four per color) is as follows:

LED color	Purpose	Lamp intensity (lumens)
Red	Protector closed indication	2.00
Green	Protector open indication	2.00
Blue—flashing	NP ARMS mode active	2.00
White	Protector in connected position	10.00
Amber	Protector in the test position	2.00

The stacklight is available in four different styles:

Style number	LED color	Function
SSL-100-2	Red and green	Fixed for Open (green) and Close (red)
SSL-100-3	Red, green and flashing blue	ARMS indication
SSL-100-4	Red, green, amber, flashing white	Remote racking
SSL-100-5	Red, green, amber, flashing white, flashing blue	Remote racking and NP ARMS

The stacklight is best utilized mounted in a submersible non-corrosive bulkhead (Style No. NFX0045G07), which contains (2) terminal blocks, for ease of wiring and a submersible feed-through connector for the enclosure penetration.

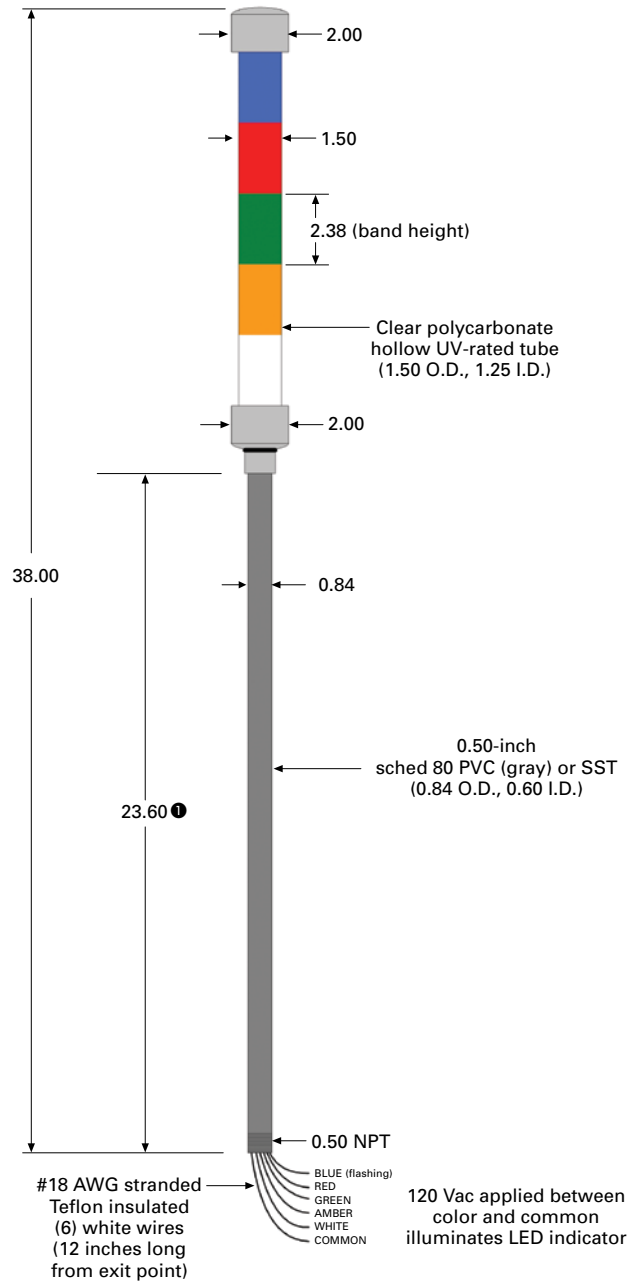


Bulkhead with cover removed



Bulkhead with cover

SSL-100 submersible stacklight (dimensions in inches)



① Length can be customized.

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