

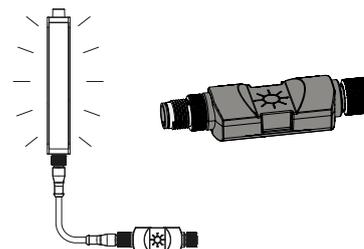
LC25T In-Line Touch Switch

LC25T-AP2RBGQ

2-Wire PWM Control



- In-line capacitive touch switch with M12 connectors
- On/Off or PWM Control Models available
- Low profile, rugged, water-resistant design
- Perfect for DC-powered devices
- Rated for up to 30 V DC
- Capability to dim lights using PWM output
- Models available with up to 4A maximum output current



Important: Read the following instructions before operating the light. Please download the complete LC25T In-Line Touch Switch technical documentation, available in multiple languages, from www.bannerengineering.com for details on the proper use, applications, Warnings, and installation instructions of this device.

Models

Model	Model Function	Power Applied to LC25T	10%-90% PWM Output*	LC25T Output On 100%	Used With
LC25T-AP2RBGQ	2-Wire PWM Control		Blue		2-wire PWM Controlled Devices

*Intensity corresponds to PWM output.

Device Configuration

Device Interface	Function	Color	
 Single Touch	<p>ON/OFF</p> <p>A single touch in the off-state turns the device on. A single touch in the on-state turns the device off.</p>	<p>Red = Off Green = On</p>	
 Touch and Hold	<p>PWM Control</p> <p>Touch and hold to increase the PWM Output from 0% to 100%.* Continue to touch and hold to decrease the PWM Output from 100% to 0%.</p>	<p>Red = Off; 0% PWM Output Blue = On; 10-90% PWM Output Green = On; 100% PWM Output</p>	
 Double Touch	<p>100% ON</p> <p>Double touch to return to 100% PWM Output.</p>	<p>Green = On; 100% PWM Output</p>	

*The device saves the last PWM state when turned off. When turned back on again with a single touch, it returns to the last saved state.

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Wiring Diagram



Female - Output	Pin	Wire Color	Connection
			2-Wire (P2 Models)
	1	Brown	Pulse width modulation (PWM) output
	3	Blue	DC common
	4	Black	Not used
	2	Not Used	Not used

Specifications

Supply Voltage

12 V DC to 30 V DC
See electrical characteristics on product label

Supply Current

9 mA typical at 24 V DC (exclusive of load)
16 mA maximum (exclusive of load)

Maximum Pass-Through Current

4 A

Maximum PWM Output Current

4 A

Operating Temperature

-40 °C to +60 °C (-40 °F to +140 °F)

Storage Temperature: -40 °C to +70 °C (-40 °F to +158 °F)

Environmental Rating

IP65, IP67, IP68

Vibration and Mechanical Shock

Vibration: 10 Hz to 55 Hz, 1.0 mm peak-to-peak amplitude per IEC 60068-2-6

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

Impact: IK06 (IEC EN 60068-2-75)

Construction

Connector Body: PVC translucent black
Coupling Material: Nickel-plated brass

Mounting

See mounting accessories

Connections

Integral 4-pin M12 male/female quick-disconnect connector

PWM Frequency

500 Hz

Dimming Range

0%-100% in 10% increments

Certifications



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

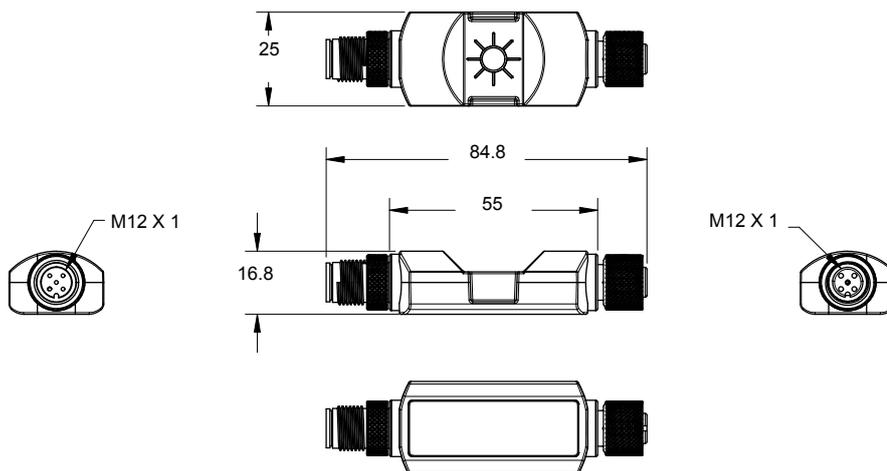


Turck Banner LTD Blenheim House,
Blenheim Court, Wickford, Essex
SS11 8YT, Great Britain



Dimensions

All measurements are listed in millimeters

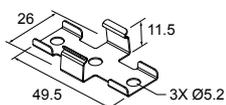


Accessories

Mounting Accessories

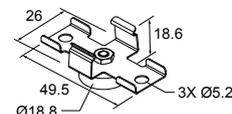
LMBLC25T

- Stainless steel clip bracket
- Includes 1 clip bracket and 2 plastic spacers
- Clearance hole for M5 hardware



LMBLC25TMAG

- Magnetic mounting bracket for attachment to steel and iron surfaces



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Änderungen vorbehalten