T-1 LIGHTING

Rectangular Network BLE Node & Sensor
T1-BLU-SS119B/T1-BLU-SS119D

The **T1-BLU-SS119B/T1-BLU-SS119D** provides automated individual and group control of light fixtures using Bluetooth sigmesh technology. It is mounted in commercial lighting fixtures to provide a multi-level dimming control solution with motion and daylight harvesting capabilities. By pairing it with the T-1 Lighting app or a Bluetooth network with SaaS, the sensor can be configured for individual, group, or scene schedules, customized dimming levels, and adjust angle depending on application. It comes in sheathed wire (IP65) and non-sheated wire (IP20) variants, plus 2 lens options.

PIR SENSOR

Daylight Harvesting	ON/OFF	**Mounting Height**	13-40ft
Motion Sensing	ON/OFF	**Detection Range**	Up to 52ft diameter
First Time Delay	1-59 minutes/infinite	**Detection Horizontal Pattern**	360°
Second Time Delay	0-59 minutes/infinite	**Detection Vertical Pattern**	90°
Dim Level	0-100%		

SPECS

Network BLED Sigmesh	Yes	**Programming**	T-1 Lighting mobile app or SaaS
Daylight Harvesting	Yes		
Digital PIR Motion Sensor	Yes	**Cyber Security**	UL1376
Detection Mode	Occupancy / Vacancy / Bi-Level in 1 Unit	**Encryption**	AES 128-bit
		Mesh Range	100ft. node-to-node and 50ft node-to-device
Operating Voltage	120-277 VAC		
Maximum Load	5A 600W Max. for LED driver only	**Safety**	cULus Listed
		Operating Temperature	-40° ~ +167°F (-40° ~ +75°C)
Sinking Current	Max. 25mA		
Control Output	0-10V	**IP Rating**	IP65 (sheathed wire) IP20 (non-sheathed wire)
Radio Frequency	2.4GHz ± 75MHz		
Wireless Standard	BLE 4.2 MESH IEEE 802.15.1	**Color**	Black/White
		Warranty	Five Years

T-1 LIGHTING

DIMENSIONS

SHEATHED WIRE
(IP20)
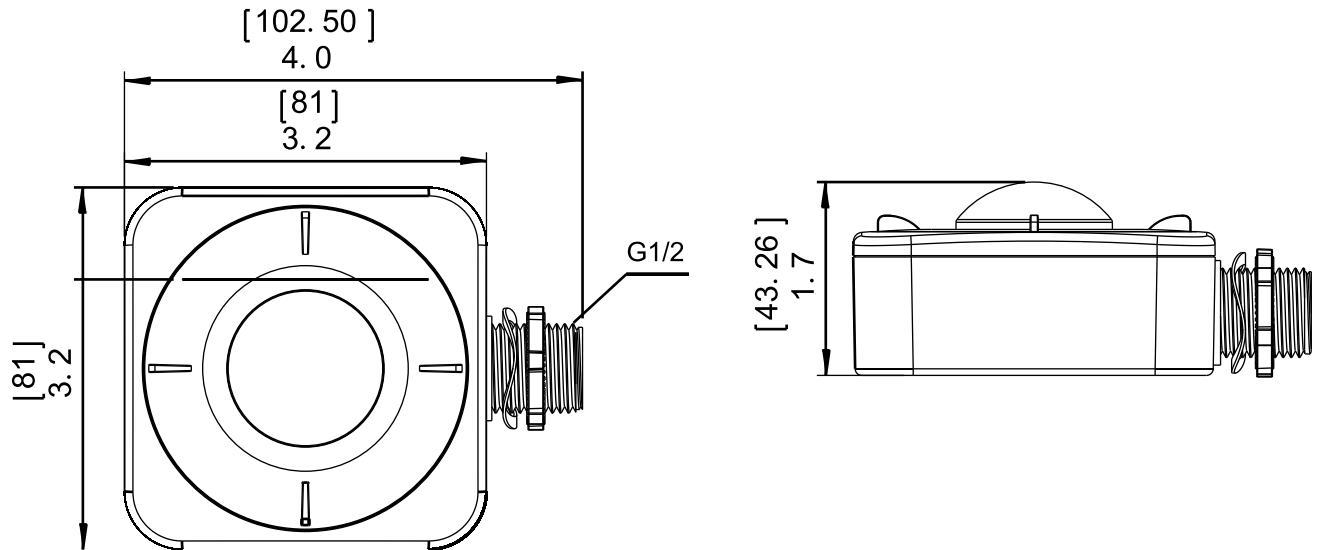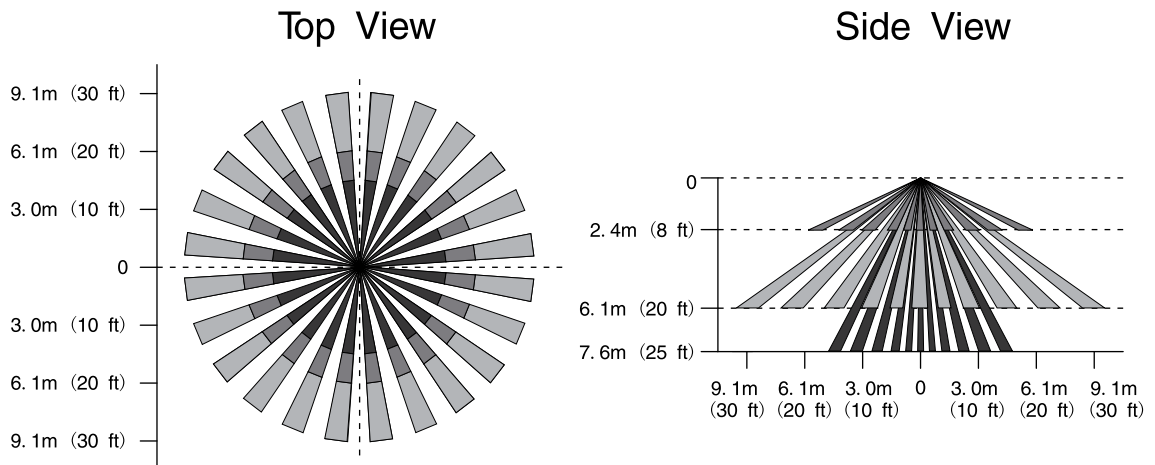
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4. 0

[81]
3. 2

[81]
3. 2

G1/2

[43. 26]
1. 7

L1/L5 Len

COVERAGE

Top View

Side View

Low Bay
360°

9. 1m (30 ft)
6. 1m (20 ft)
3. 0m (10 ft)
0
3. 0m (10 ft)
6. 1m (20 ft)
9. 1m (30 ft)

0
2. 4m (8 ft)
6. 1m (20 ft)
7. 6m (25 ft)

9. 1m (30 ft) | 6. 1m (20 ft) | 3. 0m (10 ft) | 0 | 3. 0m (10 ft) | 6. 1m (20 ft) | 9. 1m (30 ft)

T-1 LIGHTING

DIMENSIONS

NON-SHEATHED WIRE (IP65)
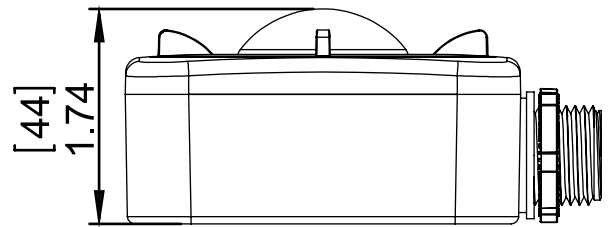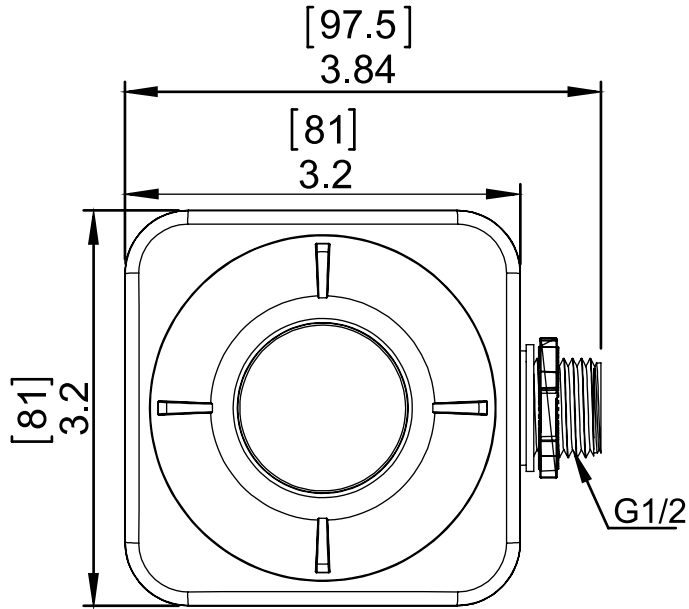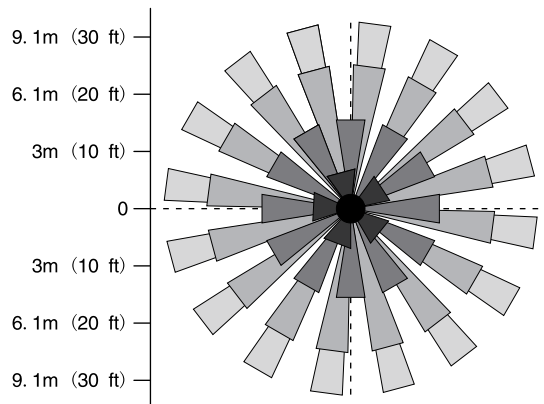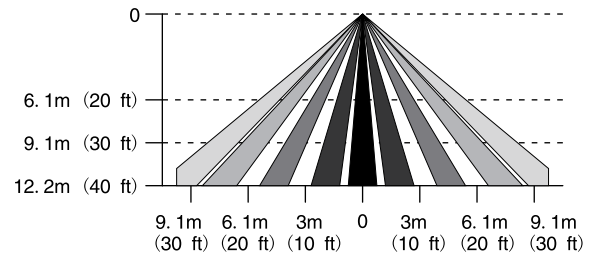
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3.2

G1/2

[44]
1.74

L2L6 Len

COVERAGE

Top View

9.1m (30 ft)
6.1m (20 ft)
3m (10 ft)
0
3m (10 ft)
6.1m (20 ft)
9.1m (30 ft)

High Bay
360°

Side View

0
6.1m (20 ft)
9.1m (30 ft)
12.2m (40 ft)

9.1m (30 ft) 6.1m (20 ft) 3m (10 ft) 0 3m (10 ft) 6.1m (20 ft) 9.1m (30 ft)

T-1 LIGHTING

WIRING DIAGRAM

WIRING WITH DIMMING BALLAST OR LED DRIVER

Hot (Black)

Power

Neutral (White)

Sensor

Black

White

PURPLE(+)

GRAY(-)

Load(Red)

White

Dimming Driver

LED+

LED-

LED

APP
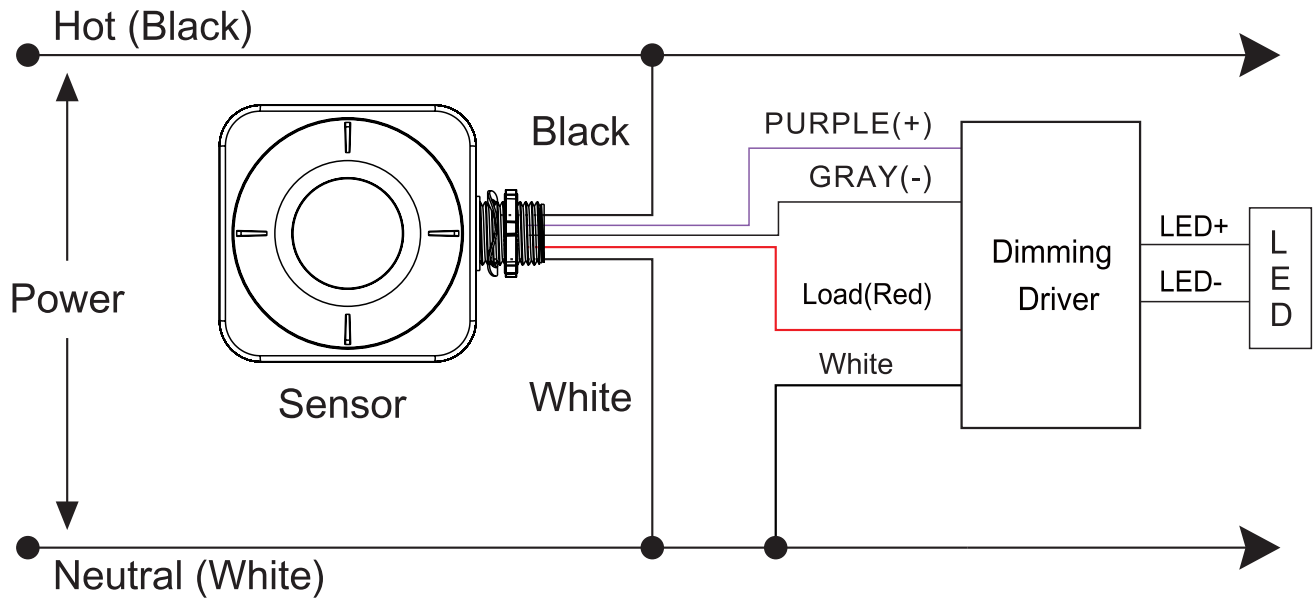
Using the T-1 Lighting mobile app, you can pair devices, create groups, set scenes & schedules, customize dimming levels, and adjust the high trim based on application needs.

Download on the App Store

GET IT ON Google Play