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BLUZAP – Germicidal UVC / LED combination

Architectural Linear Fixture

[Home](#) > BLUZAP – Germicidal UVC / LED combination

Wattage – LED – 25W/40W/50W

LED Light Source– Samsung LED Chips – 2700–6000K, 82CRI (90 Optional) Tunable White Optional

UV-C Light Source– 3.3’ Quartz, 120W hot cathode UV-C tube

Irradiance – 253.7nm wavelength, UVC output of 200uw/cm²

Voltage – 110–277V

Construction – 2 6/8” x 3 1/8” High Grade Aluminum Extrusion; reflective louvre grill

Installation – Pendant, Surface Mount & Recessed

Control– Bluetooth Mesh, controllable by iOS & Android app, integrated with motion sensor

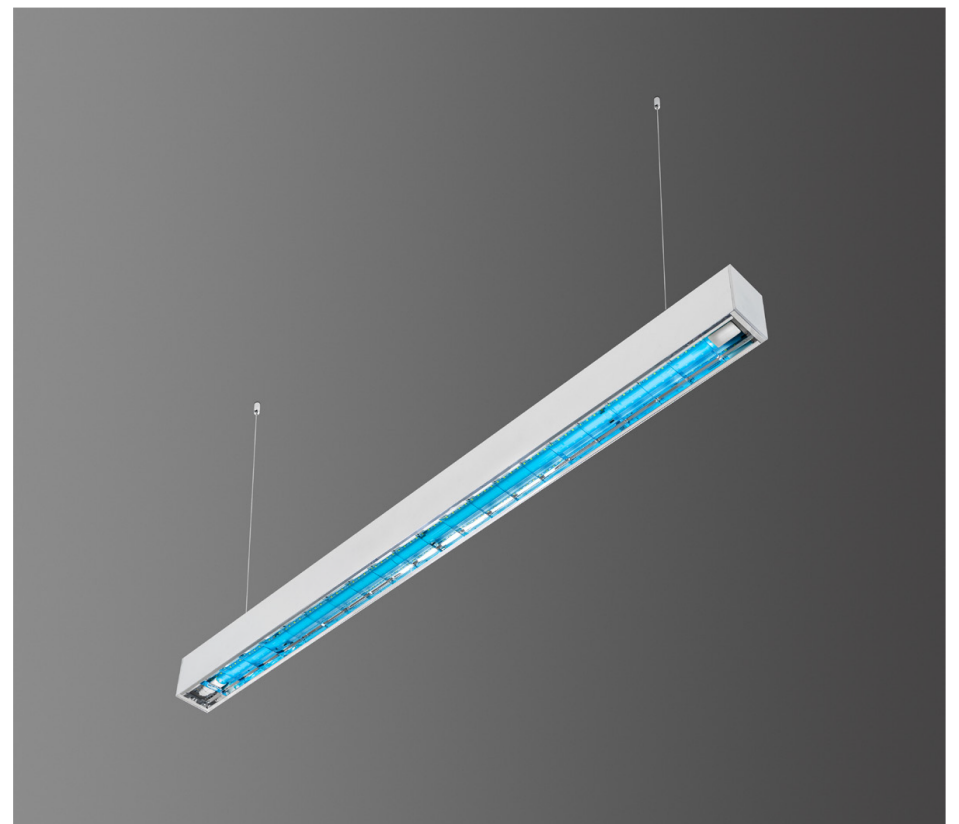
Compliance–cETLus for UL1598 CSA C22.2#250.0:2008; FCC Compliant with Part 15 Class A; EPA

Patent pending

Architectural linear fixture with combination of LED light source for general illumination and UV-C for disinfection. It emits UV-C light proven to kill microorganisms, including bacteria, protozoans and fungi, also deactivates viruses, including SARS-CoV-1.

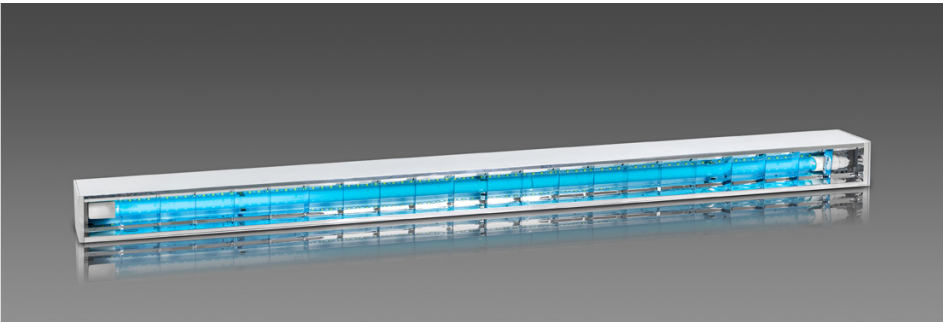
This UV-C light, to be used overnight or at times when no one is on premises, effectively disinfects the entire area treated, including surfaces and air, leaving no chemicals or residue, unlike traditional disinfection techniques

The fixtures are linkable for continuous linear runs, direct or direct/ indirect LED general illumination and pendant, surface mount or recessed installation.



COMMERCIAL | RETAIL | EDUCATION | INDUSTRIAL | MEDICAL

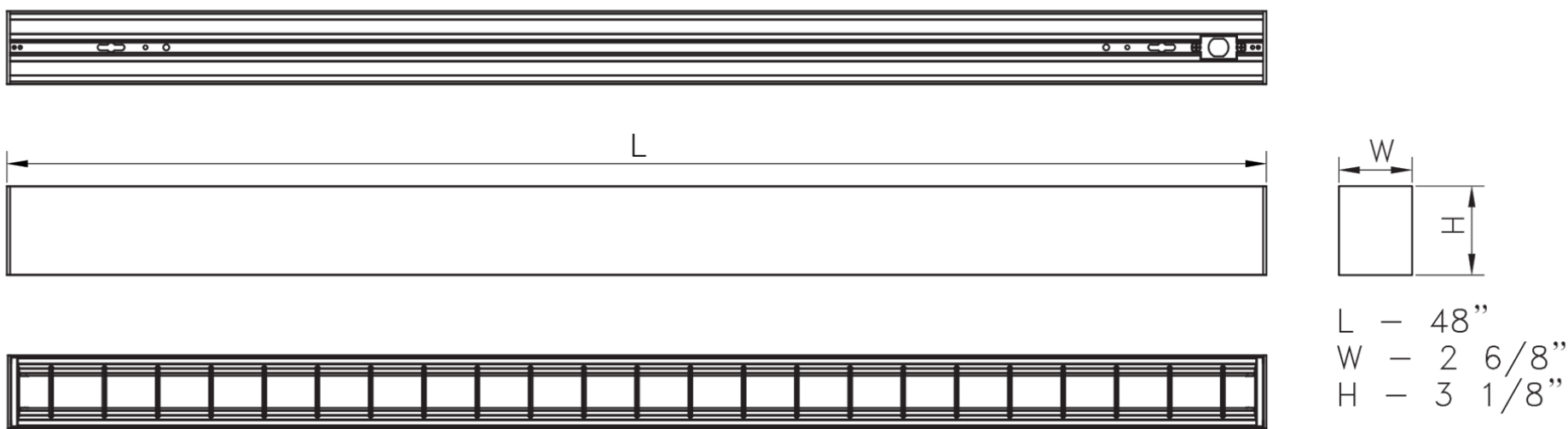
Model #	Wattage	LED lumen output	UV-C Wattage	Fixture Dimensions
BLUZAP-L1-D-4-25-30	25W	2750lm	120W	48" x 2 6/8" x 3 1/8"
BLUZAP-L1-D-4-40-30	40W	4400lm	120W	48" x 2 6/8" x 3 1/8"
BLUZAP-L1-D-4-50-30	50W	5500lm	120W	48" x 2 6/8" x 3 1/8"



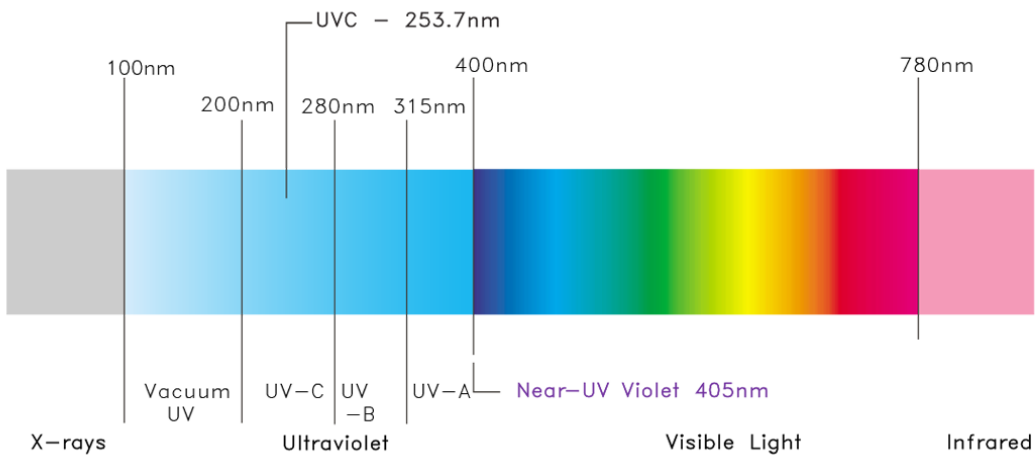
ORDERING GUIDE

1-FIXTURE ID	2-DISTRIBUTION	3-LENGTH	4-WATTAGE (LED)	5-COLOR TEMPERATURE
L1 - L1 Series	D - Direct	4 - 4ft	25 - 25W	27 - 2700K
	DI - Direct/Indirect		40 - 40W	30 - 3000K
			50 - 50W	35 - 3500K
				40 - 4000K
				50 - 5000K
			D - Dynamic/Tunable White	
6-VOLTAGE	7-FINISH		8-MOUNTING	9-OPTIONS
U - Universal 110-277V	S - Silver		P - Pendant	M - Motion Sensor (standard)
	W - White		S - Surface Mounted	
	B - Black		R - Recessed	S - Smart Wireless Control(standard)
	C - Custom (RAL#)		TG - Recessed in T Grid Ceiling	

TECHNICAL DRAWING



UNDERSTANDING UV

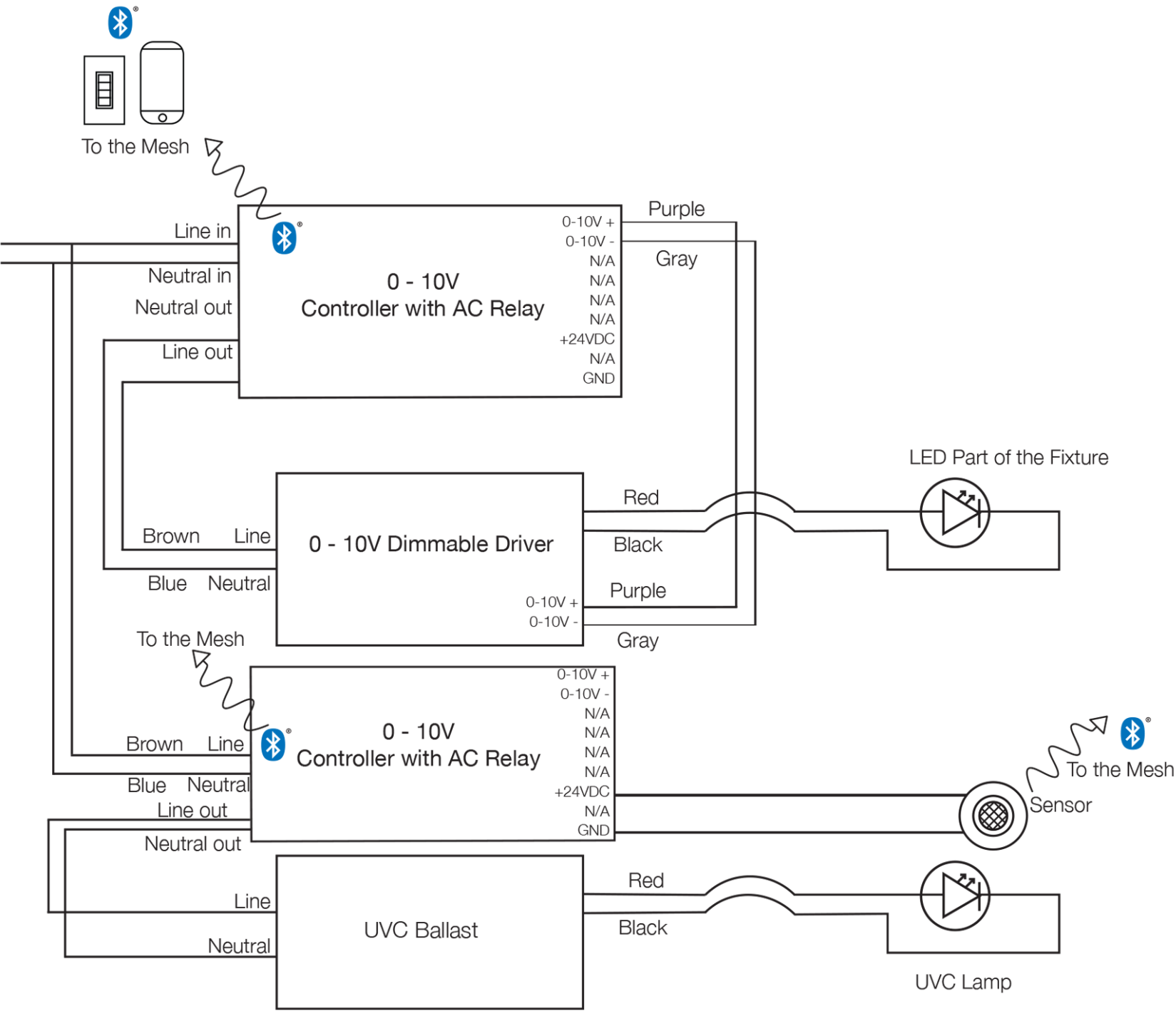


UV-C - germicidal ultraviolet light - is a proven technology to effectively disinfect air and surface
253.7nm refers to the most effective wavelength frequency of the ultraviolet light
UV-C can cause health hazard to the skin and eyes if improperly installed and used

CONTROLS

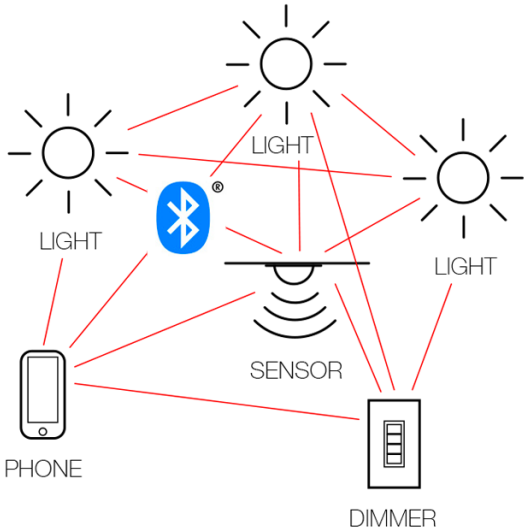
BLUZAP UV-C / LED combination devices are equipped with integrated components and connected to Bluetooth Mesh network and fully controlled by iOS or Android application provided by BubblyNet® and locally supported. Each fixture is equipped with motion sensor that will shut the UV-C lamp off when anyone enters the area. The fixture can be programmed for different modes and functions of standard LED and UV-C illumination. Timers can be set, for example for UV-C lamp can be programmed to come on from 12:00 - 4:30am, LED illumination can be programmed for night light function and more.

WIRING DIAGRAM

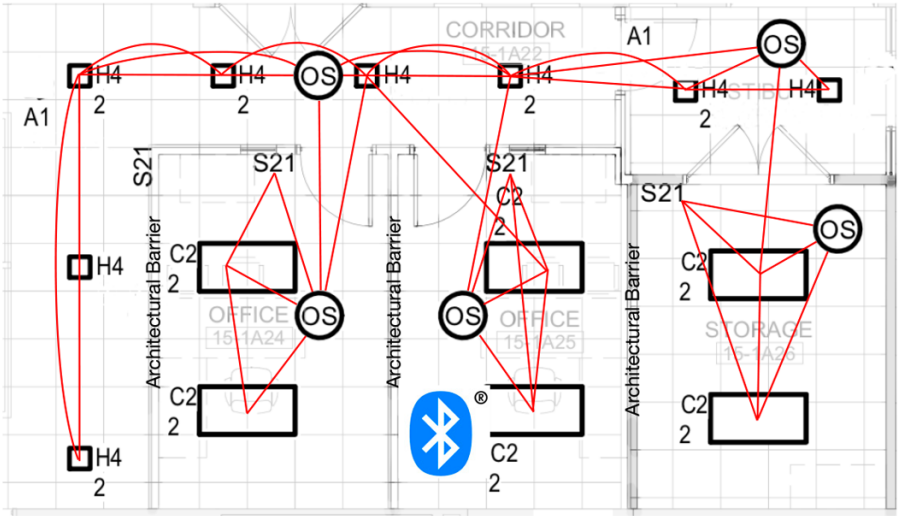


CONTROLS - CONTINUED

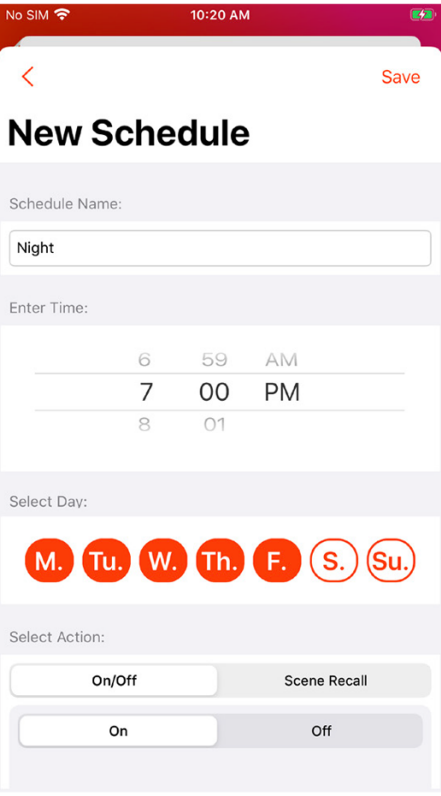
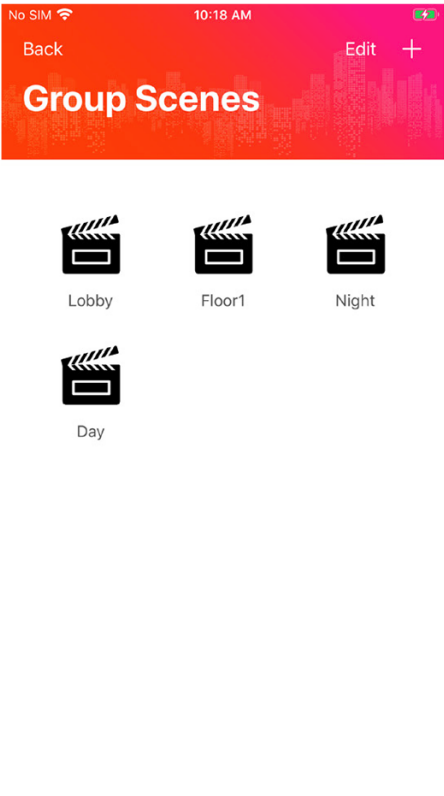
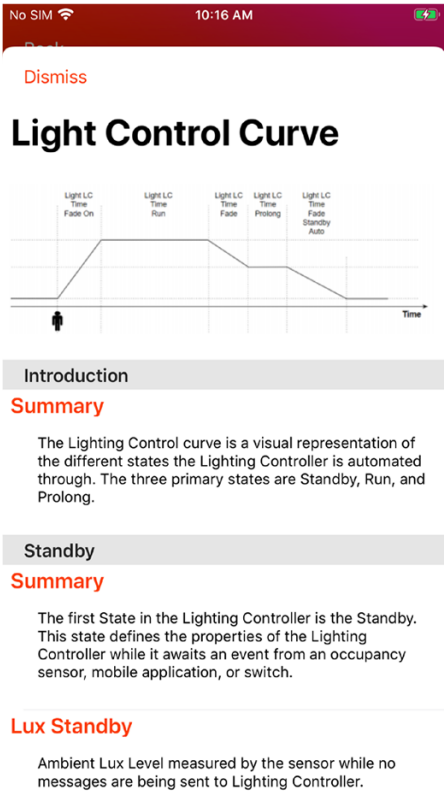
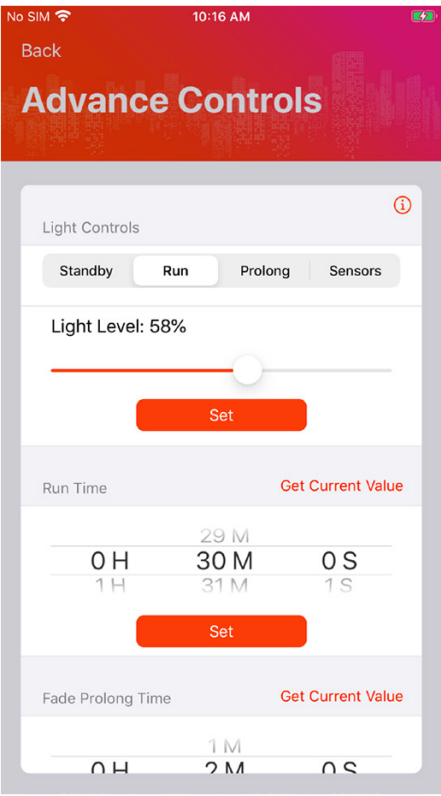
UNDERSTANDING BLUETOOTH MESH



A SYSTEM WITH NO SINGLE POINT OF FAILURE
A BubblyNet installation does not have a single device from which all others depend for proper functioning. A BubblyNet installation is based on distributed intelligence rather than a system with centralized intelligence into one single device, which may fail.



A SOLUTION TO RF BARRIERS
A Hub has a limited Radio Frequency coverage that reduces in the presence of architectural barriers, such as concrete walls and metal structures. In this case, multiple hubs need to be wired together. With a MESH architecture, the control signal is broadcasted and hops from device to device, “going around” architectural barriers. It is also called a “Self-Healing Network.” If one device fails, the signal automatically re-routes bypassing the failed element.



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[Back to Top](#)

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