

06/07/2016

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

RE: New Certification (Multiple Model Numbers, FCC ID: AQQ-SU4S)

To whom it may concern:

The Model SU-4S with model numbers: SU-4S-L, SU-4S-H, SU-4S-HRW, SU-4S-LRW, SU-4S-HRB, SU-4S-LRB are to be certified as members of the same product family as described below.

#	Product Characteristics	Products are:	
		Same	Different
1	Radio Frequency Operating Range(s)	X	
2	RF Power / Field Strength	X	
3	Radio Frequency Circuitry	X	
4	Antenna Characteristics	X	
5	Associated Digital Circuitry	X	
6	Functional Capabilities	X	
7	Enclosure (Cosmetic Difference)		X
8	Lens Type (Cosmetic Difference)		X

For any differences, a description is provided in the table below.

#	Description of differences
7	The enclosure of the sensors SU-4S-HRW, SU-4S-LRW, SU-4S-HRB and SU-4S-LRB are made of different plastic and are designed to be more ruggedized than the SU-4S-L, SU-4S-H enclosures. This is to ensure they can be used in harsh environments and resist dust and water ingress. The 6 th letter 'R' depicts that the sensors are Ruggedized. The 7 th letter in the model names 'W' and 'B' depict the color of the enclosure (W – White; B – Bronze)
8	The lens are different as follows: The sensors can use 2 types of lenses (Low Bay and High Bay) which are used for different linear height applications. The lens is a plastic material that is separate from the actual PCB. The 5 th character in the model name depicts the type of lens the sensor uses. 'L' for Low Bay and 'H' for High Bay.

Brief statement as to why the products should qualify for family approval:

The products share the same hardware (PCB) and antenna characteristics. The products also have the same functionalities of sensing occupancy and providing feedback to the control units.

Sincerely,



Tanuj Mohan
Chief Technology Officer
Enlighted Inc.