CURRENT STATE	MOTION	DAYLIGHT	NEXT STATE	LIGHT ON
S0 (Idle)	0	1	S0 (Idle)	0
S0 (Idle)	1	0	S1(Delay)	1
S0 (Idle)	1	1	S0 (Idle)	0
S1 (Light On)	0	0	S2 (Delay)	1
S1 (Light On)	1	1	S0 (Idle)	0
S2 (Delay)	X	X	S0 (Idle)	0