10-3-19

Keep everything uniform in voltage

5 V or 3.3 V – 3.3V would be better.

Arduino pro mini has 3.3V version but runs at 8 MHz – is it fast enough?

Ina 219 – multimeter from Adafruit

The gateway is going above the Den actually need to rewrite the spec document for that.

Simulator – use linux server for it

4x4x4 size is ok – dome is an extension on this, not part of actual size spec.

Clock synchronization of the units to flash the lights within a band of uncertainty

Ds3231 clock module?

Battery backed up real time clock.

Listen for synchronization when setting up – will use battery.

“Provisioning” the units.

Hardcode an ID – 1, 2, 3, 4, 5, or MAC address.