**B.O.M. Thousand Shades of Crane**

**Electronics**

For RGB LED node board (per board)

Part Value Package Lib Position (mm) Orientation

C1 1uF C1206FAB fab (26.82 35.89) R90

C2 1uF C1206FAB fab (25.0975 27.3825) R0

IC1 5V SOT23 fab (24.63 31.11) R270

R1 10k R1206FAB fab (23.56 35.89) R90

R2 1k R1206FAB fab (13.81 26.55) R90

R3 1k R1206FAB fab (17.42 26.4) R90

R4 499 R1206FAB fab (16.38 21.09) R0

U$1 PINHD-2X2-SMD 2X02SMD fab (24.93 21.77) R270

U$2 ATTINY45SI SOIC8 fab (18.84 35.63) R180

U$3 AVRISPSMD 2X03SMD fab (7.41 35.63) R180

U$4 LEDRGBNEW P-LCC-4 fab (8.08 6.45) R270

For HALL node board (1 board)

C1 1uF C1206FAB fab (26.32 20.22) R90

C2 1uF C1206FAB fab (24.5975 11.7125) R0

IC1 5V SOT23 fab (24.13 15.44) R270

R1 10k R1206FAB fab (23.06 20.22) R90

R2 1k R1206FAB fab (13.31 10.88) R90

R3 1k R1206FAB fab (16.92 10.73) R90

R4 499 R1206FAB fab (15.88 5.42) R0

U$1 PINHD-2X2-SMD 2X02SMD fab (24.43 6.1) R270

U$2 ATTINY45SI SOIC8 fab (18.34 19.96) R180

U$3 AVRISPSMD 2X03SMD fab (6.91 19.96) R180

U$4 LEDRGBNEW P-LCC-4 fab (6.31 9.83) R180

Additional materials for the electronics part: a cable to connect the PCBs in a network, blank PCB board for the boards and a so-called slip ring.

**Base plate**

MDF (600mm x 300mm)

4 Magnets for Hall effect

**Crane birds**

PLA for 3d printing or clear acrylic for laser cutting

**Black rectangles**

These will be positioned evenly spread around the edge of the circular base plate (function comparable to the rotary disk shutter in classical film projection)