ReadMe – Lights SubSystem

# LRUs (Line Replaceable Units)

1. White Curved Front (turns up side down for left or right)
   * Side Light
   * Dipped Beam headlight
   * Full Beam headlight
     1. Soft Switchable headlight between shine to the left / shine to the right for countries that drive on the left or right.
     2. Soft Switchable headlight level, step up and step down with 16 positions overall.
   * Fog Light
2. Red Curved (turns up side down for left or right)
   * Brake Light
   * Rear Light
   * Fog Light
3. Amber Curved (turns up side down for left or right, front or back)
   * Indicator
4. White Curved Back (turns up side down for left or right)
   * Reversing Light
5. White Straight
   * Interior Light (interior, one of them, above drivers face)
6. Red Straight
   * Exterior Brake Light on High – flashes upon emergency brake

# Spares Carried

1. White Curved Front
2. Red Curved
3. Amber Curved
4. But not
   1. White Curved Back (reversing)
   2. White Straight

# Arduino Pin Outs

1. Side Lights on or off
   1. In: Monitor Lift
   2. In: Monitor Right
2. Dipped Lights on or off
   1. In: Monitor Lift
   2. In: Monitor Right
3. Full Beam Headlights on or off
   1. In: Monitor Lift
   2. In: Monitor Right
4. Fog light on or off
   1. In: Monitor Lift
   2. In: Monitor Right
5. Headlight beam direction Left or Right
6. Lower headlights (requires further investigation)
7. Raise headlights (requires further investigation) – assume that details are in electronics outside of Arduino.
8. Reverse Lights – on or off
9. Left turn indicator – on or off (same pins cover hazard)
10. Right turn indicator – on or off
11. Brake Light – on or off (same pin covers flashing)