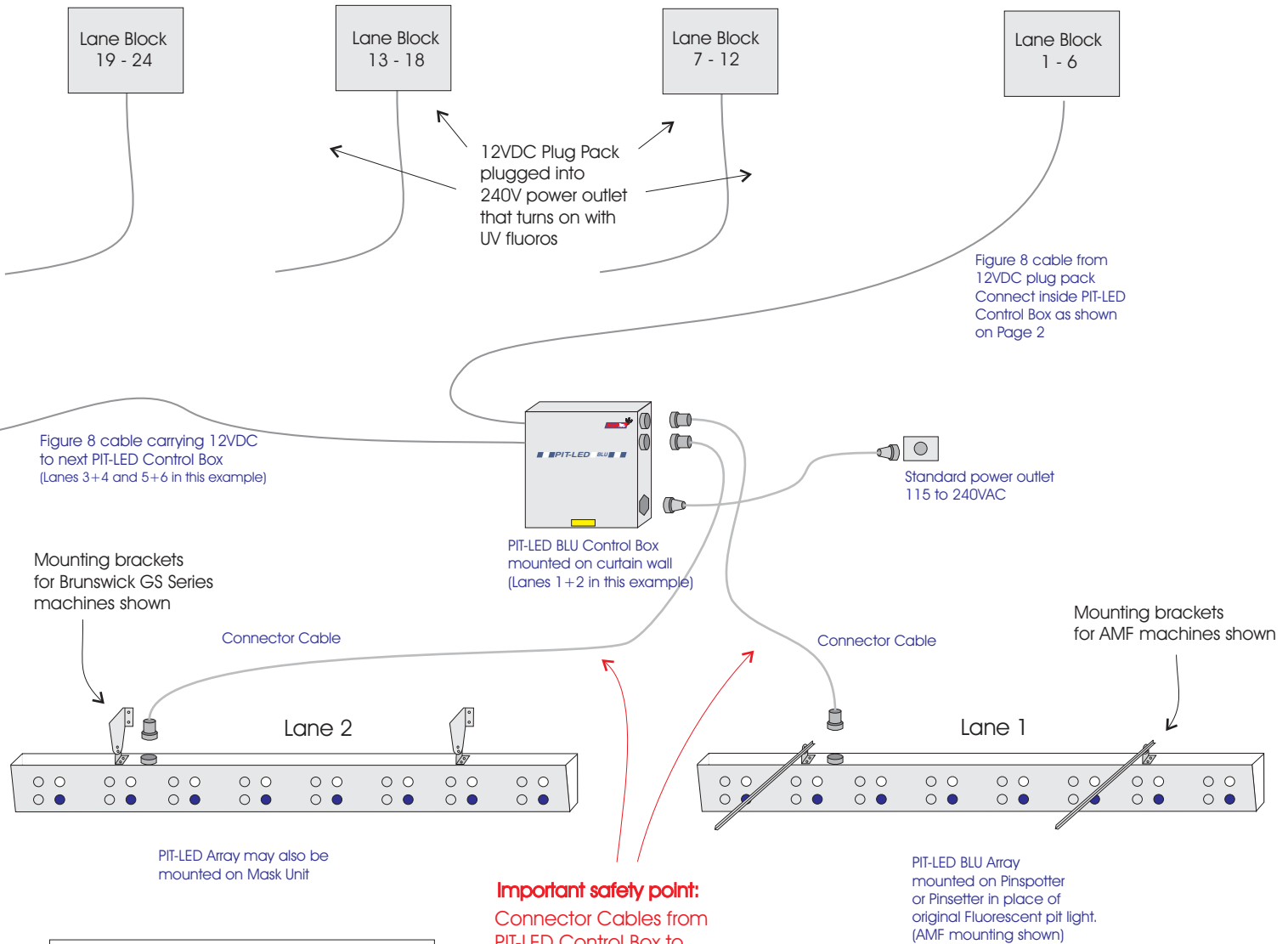


PIT-LED BLU

Version - Relay Switched

Blue and White LED lighting for pin illumination on Pinspotter and Pinsetter machines



These components are supplied in the standard PIT-LED BLU kit:

- 1 x PIT-LED BLU Control Box
- 2 x PIT-LED BLU Array
- 2 x sets of mounting brackets and hardware
- 2 x PIT-LED Connector Cable
- 1 x IEC Power Cable

Other components required:

Plug pack 240VAC/12VDC

The PIT-LED system is completely independent of the Pinspotter or Pinsetter machine and scoring system. This makes it compatible with all machines and systems.

manufactured by

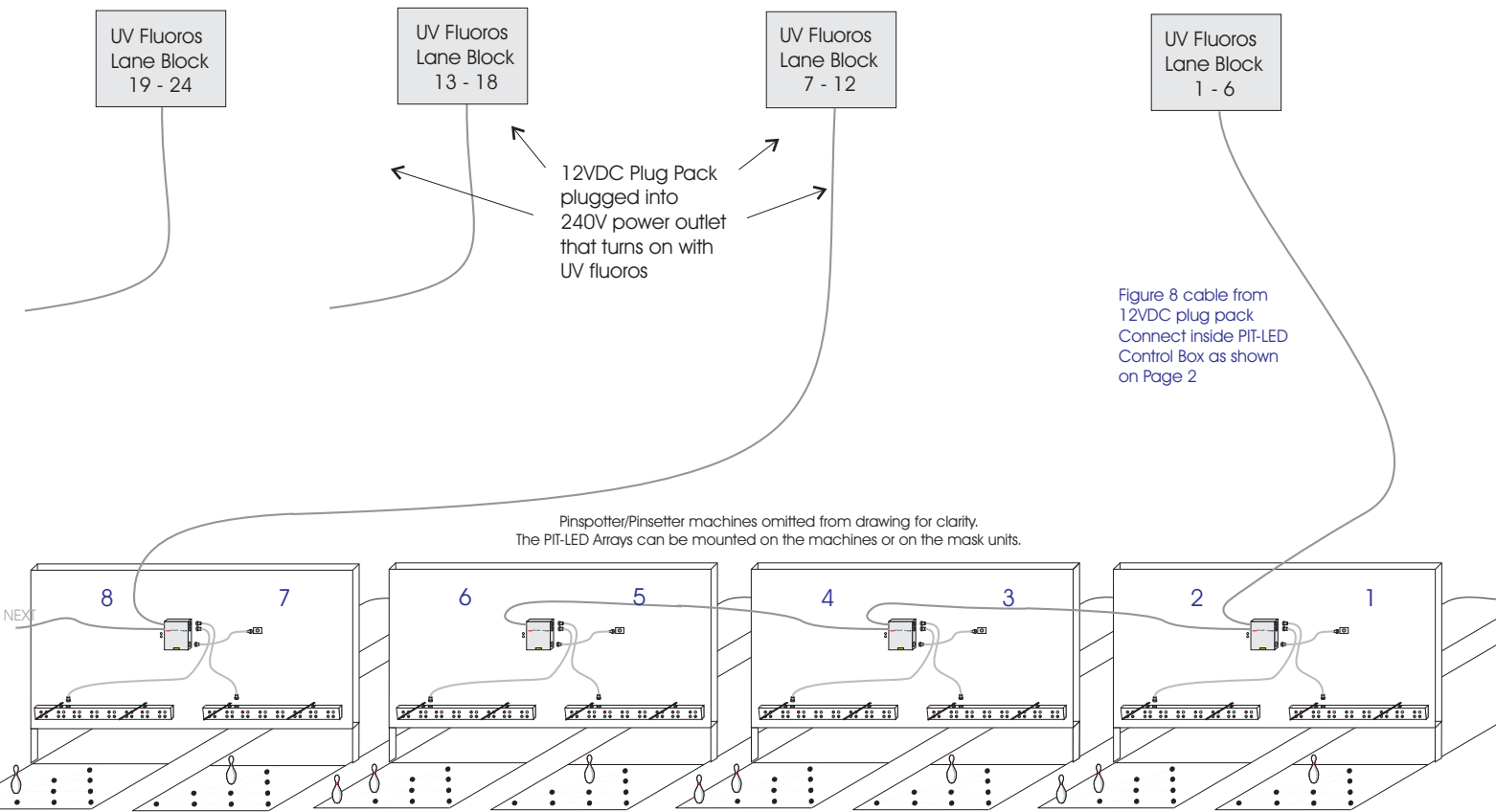


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Schematic Diagram of PIT-LED BLU system installed in a bowling centre



INSTALLATION STEPS:

1. Check the voltage selector switch on the under side of the PIT-LED Control Box and ensure it shows the correct voltage for your area - 115 or 230V. Move the slider switch if necessary to select the correct voltage.
2. Attach PIT-LED Control Box securely to curtain wall. Take care to position the Control Box so that the power supply cable and Connector Cables will easily reach their destinations as shown in the diagrams.
3. Remove existing fluorescent pit or pindeck light fixtures.
4. Mount PIT-LED Arrays onto Pinspotter or Pinsetter (or in some circumstances it may be preferred to mount the PIT-LED Arrays onto the back of the mask units) using the supplied adjustable brackets. Tighten all bolts except the two on each bracket that allow tilt adjustment. Leave these bolts finger tight to allow for later adjustment.
5. Install Connector Cables - one end to Control Box and the other end to the PIT-LED Array. These cables are directional and will only connect one way. Take great care that the cables are secure at both ends and that they are routed in such a manner that they will not be fouled by moving machine parts or any other thing.
6. Remove the front cover of the PIT-LED Control Box and connect the figure 8 cable from the Plug Pack (which is plugged into an electrical outlet that becomes live when the UV fluoros are turned on) into the red and black terminals as shown in the diagram on page 3.
7. Connect another figure 8 cable into the other red and black terminals and route that cable to the next PIT-LED control box in this bank where it should be connected to the red and black terminals as shown.
8. Plug the power cable into the socket on the bottom right side of the Control Box and also plug it into the wall socket.
9. Re-check all connections, cable routing and voltage selector switch. If all is well, turn on the switch at the power outlet.
10. The WHITE LEDs will come on in the PIT-LED Arrays.
11. When the PIT-LED Array is illuminated, adjust the tilt of the Array to get the best lighting effect and then tighten the two screws on each bracket that were left finger tight from step 4.
12. Repeat steps 1 to 11 for each PIT-LED set to be installed.
13. Plug the plug pack into the power outlet in parallel with the UV lights. When the UV fluoros are turned on, the PIT-LED Arrays will turn BLUE. One plug pack can be used for each block of UV fluoros and should be connected in daisy chain fashion to all of the PIT-LED Control Boxes for the corresponding lanes.



PIT-LED BLU

PIT-LED BLU Control Box

12VDC from plug pack which turns on with UV fluoros

When UV fluoros over lanes turn on, 12VDC plug pack supplies power to the red and black terminals, switching LEDs from WHITE to BLUE

12VDC daisy chain connects to next PIT-LED Control Box in this block

A "block" corresponds to a bank of over-lane fluorescent lights - for example, lanes 1 to 6



Output Cable to LED Array ODD Lane

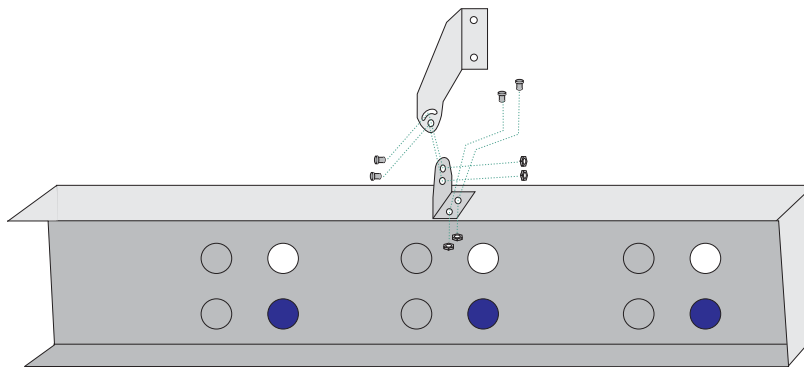
Output Cable to LED Array EVEN Lane

115 or 240VAC

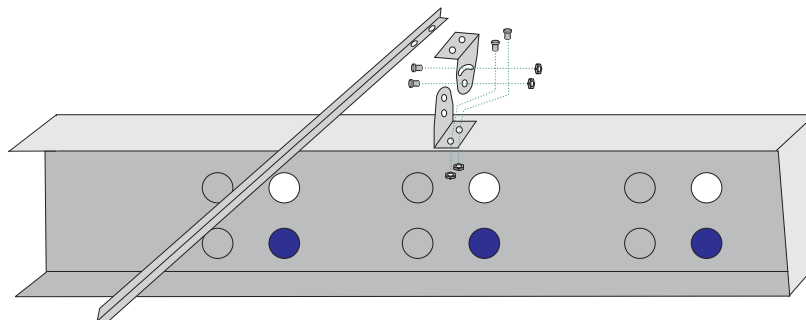


IMPORTANT

Switch to appropriate input voltage



Mounting on Brunswick GS Pinsetter



Mounting on AMF Pinsetter & Brunswick A/A2 Pinsetter