Alberici
PROGETTAZIONE E PRODUZIONE GETTONIERE ELETTRONICHE
ACCESSORI PER GAMING E VENDING MACHINES

**SHUTTLE
TOPPER LIGHT**

Mounting Instructions
Rev. 2.2 IT

Supporto standard per installazione su cupola r = 441 mm
Standard support for dome r = 441 mm

Adattatori per installazione su scaffale e su cupola r = 222 mm
Adapter for shelf-mount and dome r = 222 mm
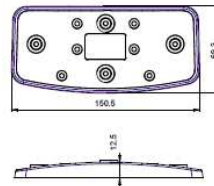
ADAPTER FOR FLAT SURFACE
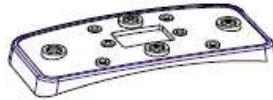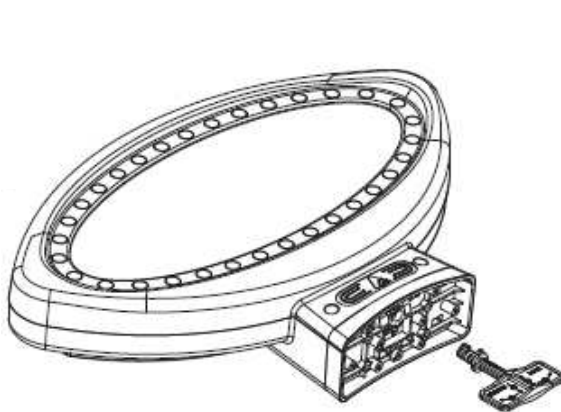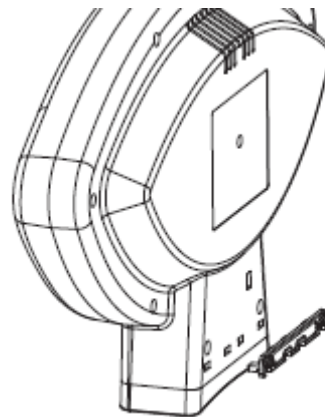ADAPTER FOR DOMES r = 222 mm

ADAPTER FOR DOME r = 222 mm

ADAPTER FOR FLAT SURFACE

MOUNTING FROM INSIDE THE MACHINE DOME:
MAKE USE OF THE FLAG-TOOL TO FASTEN THE TOPPER TO THE PREVIOUSLY FASTENED SUPPORT. NO NEED TO USE SCREWS FOR THE TOPPER!

MOUNTING FROM OUTSIDE, NO NEED TO OPEN THE MACHINE:
TIGHTEN THE BAR BY THE PROVIDED SCREWS TO FIX THE TOPPER TO THE PREVIOUSLY FIXED SUPPORT.
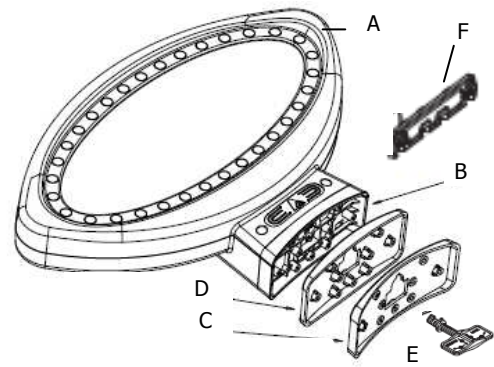
TECHNICAL DATA	
Power supply	12Vdc, and 5 Vdc
Current consumption	500 mAmp
Fluorescent tube expected life	30.000 ore
Fluorescent tube brightness	30.000 cd/m^2
LED array brightness	3.000 – 5.000 cd/m^2

CONTENTS OF THE BOX

The box contains:
- A. Shuttle Topper Light
- B. Standard support (dome r=441 mm)
- C. Adapter (dome r=222 mm)
- D. Adapter for shelves
- E. Flag-tool for dome inner fastening
- F. Fixing bar for outer fastening
    nr. 2 screws Ø 2,9 x 9,5 for bar-fixing

HOW TO MOUNT/REPLACE ARTWORK

Lay the topper face down. Remove the 6 screws placed along the rear perimetre as well as the two screws located in the support rear face. Rotate the topper face up, lift up the front bezel and lay it aside.
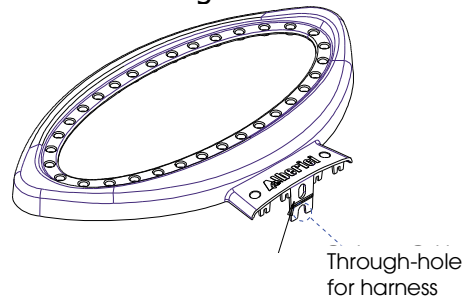
Pull apart the two plexy layers, put back the lower one on the support ribs, fit the artwork and cover it by the upper plexy layer.

Fit the front bezel, hold the whole Topper and again lay it face down. Pay attention not to stretch the power harness. Tighten the 8 screws in.
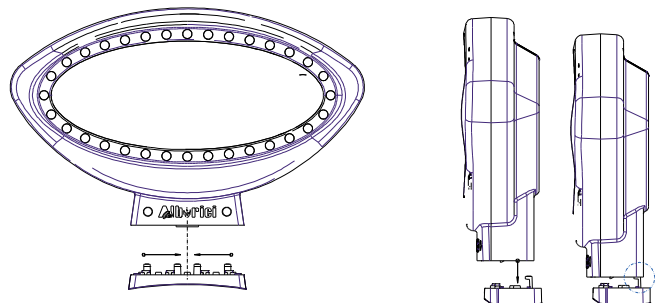
MOUNTING PROCEDURE

1. Fasten the standard support (B) on the machine dome. Add the adapter (C) if the radius of the dome is 222 mm, or else add the adapter (D) if the Topper is to be mounted onto a shelf. See pag. 3 for dimensional drawings.

2. Slip the Shuttle harness into the dome.
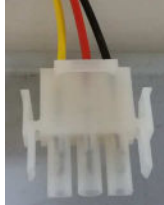   *Take care that the harness remains within its seat!*

   Through-hole for harness

3. Locate the Topper in position.
   Pay attention: the support rear hooks must remain within the Topper base.
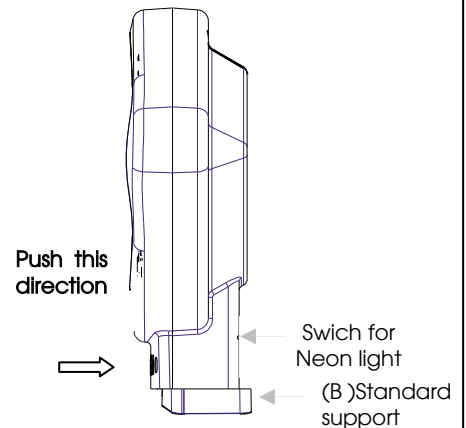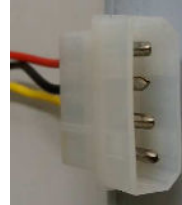
4. Pull the Topper down onto the (B) support, then push it backward so that the hooks clip into their seats.

5. Connect the harness to the voltage supplies:
   +12 Vcc between yellow (+) and black (GND) wires
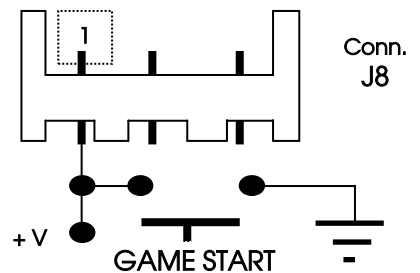   + 5 Vcc between red (+) and black (GND) wires.

Artwork backlight by LED strip

(3p MATE-N-LOCK PLUG)

Artwork backlight by neon tube

(4p MOLEX PLUG)

Push this direction

Swich for Neon light

(B)Standard support

6. *Starting from Hardware Version 1.1:* **it is possible to dim down the leds patterns for 15",** by sending one GND pulse to pin 1 in J8 connector (see aside the diagram of connector J8).

7. **Adjustment of leds brightness (3 levels) -** move SW2 to On; then, by the built-in SMD key, choose the desired brightness level, and move SW2 back to Off.

Conn. J8

+ V

GAME START

8. Two quick-fix modes are available: from the inside of the machine dome, by the flag-tool E provided (see **a.** below); or, from the Topper rear side, by the fixing bar F (see **b.** below).
   a. Quick-fix by flag-tool: insert the flag-tool (E) through the machine dome into its seat in the Topper support. Rotate it 180° clockwise until it gets tight. Leave it in its seat and close the machine.
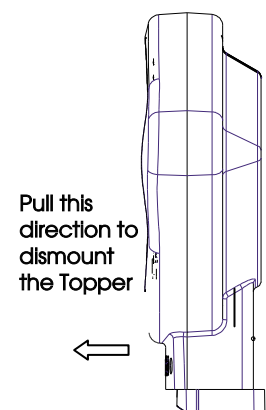   **b. Quick-fix by fixing bar:** place the fixing bar (F) in its seat behind the Topper shaft, pull it 5 mm down, and fasten it by the two screws (G) provided.
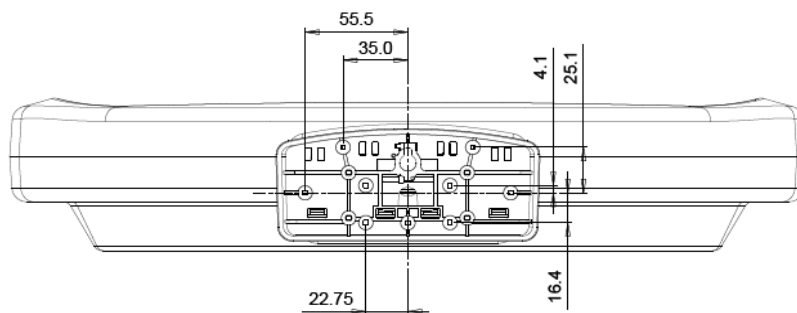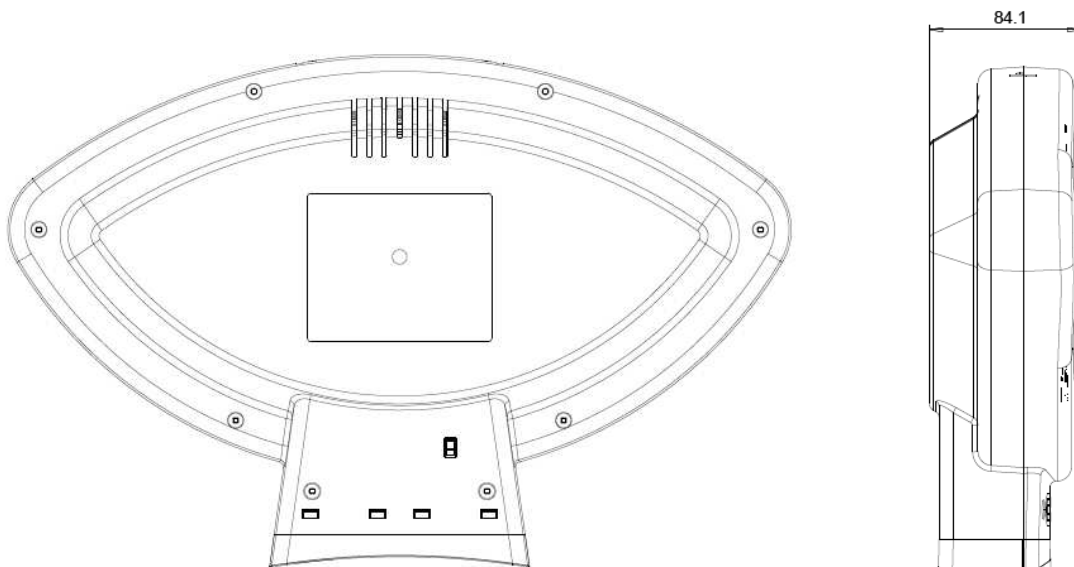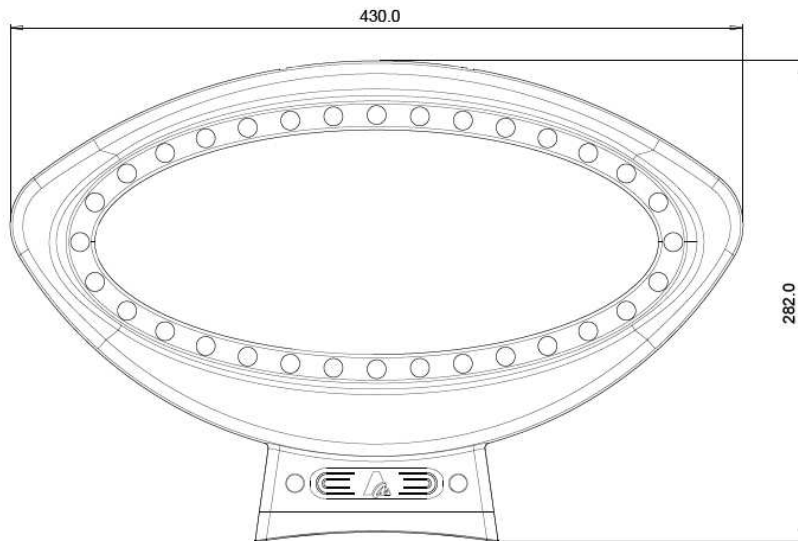   [If you choose method b, take care to clamp the electric connectors, and to give the machine cable approx. 10 cm excess lenght: this will make dismount easy.

9. The traditional method of tightening the Topper and support to the dome can anyway be used, if preferred.
10. The neon fluorescent light can be controlled by the red slide switch in the rear side of the Shuttle stem.
11. Switch the machine on and check operation of the Topper Light.

DISMOUNTING THE TOPPER

1. Switch the machine OFF.
2. **a.   If the Topper is mounted by flag-tool:**
   open the dome and disconnect the harnesses.
   Turn flag-tool 180° anticklockwise, and remove the tool.
   Pull the Topper forward and lift it up, removing it from its support.

   b.   If the Topper is mounted by fixing-bar:
   remove the two screws (G), slip the bar 5 mm upwards and unlock it. Pull the Topper forward and lift it up, removing it from its support. Gently pull the harness until its connector plug pops out, then disconnect it from the machine harness.

Pull this direction to dismount the Topper

430.0

282.0

84.1

55.5

35.0

4.1

25.1

22.75

16.4