

# DREAM COURT - TECHNICAL DATA SHEET

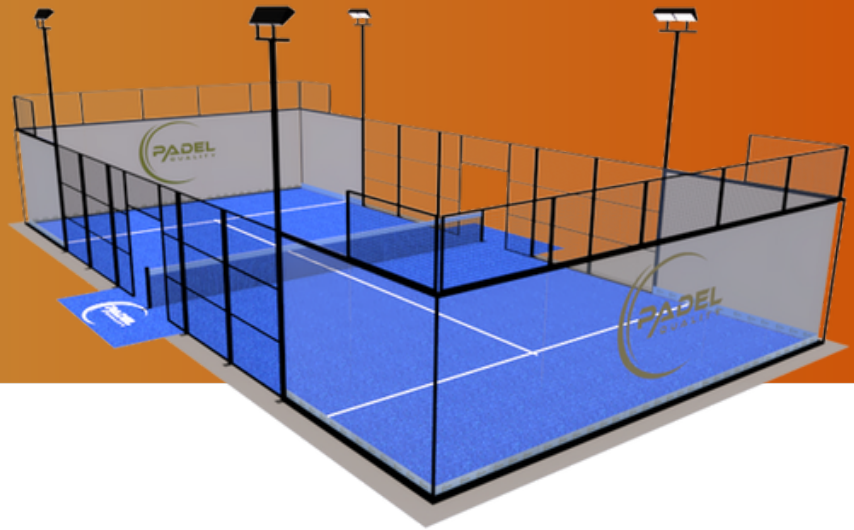


**WE RISE BY LIFTING OTHERS**

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OUR **DREAM COURT** IS MANUFACTURED WITH PREMIUM CE CERTIFIED MATERIALS AND MEETS ALL THE REQUIREMENTS DEMANDED BY THE **IPF** AND THE **LTA**



## STRUCTURE

- Steel used throughout the court S-235 JR.
- 8 frames of 3000(±3) mm x 2000(±5) mm formed by 60x20x2 mm tube in the upper and lower horizontal part; and 2 horizontal crosspieces made of 40x4 mm plate to support the electro-welded mesh. In addition, it is made up of 2 85mm and 3mm thick plates, 3m long, folded at 90° to adapt to the pillars. The whole assembly is factory-welded to form a supporting frame (the number of frames varies according to the type of access defined).
- 4 frames 3000(±3) mm x 1000(±5), formed by 60x20x2 mm tube in the upper and lower horizontal part; and 2 horizontal crosspieces made with 40x4 mm plate as support for the electro-welded mesh. In addition, it is made up of 12 85mm and 3mm thick plates, 3m long, folded at 90° to adapt to the pillars. These frames have hands, so there are two on the right and two on the left. The whole assembly is factory-welded to form a supporting frame. (The number of frames varies according to the type of access defined).
- 2 frames 2000(±3) mm x 800(±5), made of 60x20x2 mm tube around the perimeter, to form, together with the 3000x1000 frames, the access holes to the court.
- Both bottoms are made of 100x50x2 mm tubing, both at the top and bottom. The lower part is welded with anchor plates for its correct fastening to the pavement. Both the bottoms and the sides have support systems or tongue and groove joints for correct installation and proper operation of the system. I include T of 50 and angle of 40 of a length of 3000mm to dissolve efforts.
- Both sides are made of 100x50x2 mm tube, following the same construction system as the bottoms. The lower area has welded anchor plates for its correct fastening to the pavement.
- Both upper bottoms are also formed by 14 frames of 1000(±3) mm x 2000(±5) mm formed by 60x20x2 mm tubes in the upper and lower horizontal part; and by two 60x20x2 mm tubes in the vertical area, where the electro-welded mesh is supported.
- 4 tubes of 40x40x4 (structural) cut at 2.9m, to fulfil their function as pillars in corners.
- 2 net posts made of 80x80x2mm tube with a height of 960mm, prepared for a central net and the tensioning system.



### GLASS



- 18 walls of 12 mm thick tempered glass measuring 1995x2995 mm. Thermally tempered glass according to UNE-EN-12150-2 standards and according to the "HEAT SOAK" test of the UNE-EN-14179-2 standards.
- 60x4 mm black EPDM (ethylene propylene) gaskets to be installed between the glass walls and the metal structure, offering exceptional performance in extremely adverse weather and temperature conditions.
- PVC ring to be installed in the conical holes of the glass walls to avoid contact between the glass fixing screw and the glass.
- Complete set of stainless steel Allen screws with countersunk head DIN M8x30 to fix the glass walls to the pillars.

### LACQUERED

- **PLAFORISATION:** Degreasing and organic phosphating system, by means of a spraying process using low-pressure guns, which requires a drying phase in an oven at 160°C. Characteristics: - Physical state: liquid - Appearance: Transparent, colorless to slightly straw. - Viscosity: 45 – 60" C.F: 2 at 20°C
- **PAINTING:** Application by electrostatic charge through automatic equipment consisting of 10 application robots + two touch-up guns, which requires a polymerization phase at 200°C.
- **ZINC PRIMER:** Application by electrostatic charge through automatic equipment made up of 10 application robots + two touch-up guns, which requires a pre-polymerization phase at 145°C. (On Demand)



### SCREWS



- Floor anchor bolt M12
- Washer DIN 125 M12
- Self-locking nut M12
- Hexagon boltG. DIN 933 M12 12x60
- Hexagon boltG. DIN 933 M12 12x70
- Hexagon boltG. DIN 933 M12 12x120
- Self-tapping screw M6
- Net ratchet
- Pulley 70x10
- End cap 100x50

(More information will be available under request in a separate file.)

### LED LAMPS

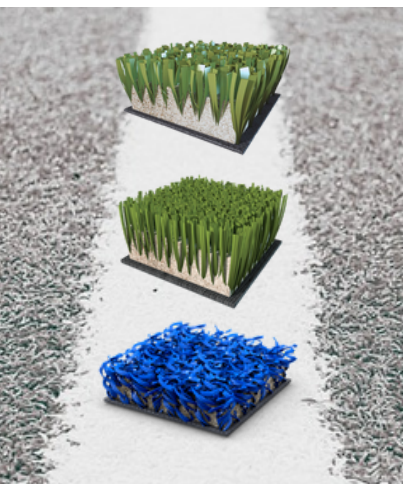
- Watts: 200
- Dimensions: 439x346x56mm
- IP65 rating
- Dimmable: No
- Lumens: 1600
- Warranty (Years): 5
- Beam Angle: 100
- MP > 0.9 Unit
- Color: Black
- HR > 80
- Rectangular shape

- Body Type: Die-cast aluminum
- AC input power: 220-240V 50Hz
- Product Life: 30,000 Hours
- Chip Type: LED SMD Samung Chip
- Sensor Compatibility: Yes
- IP Rating: IP65 LED Chip Solution  
9V 100mA



(More information will be available under request in a separate file.)

### TURF



**Type:** Fibrillated  
**Stitches** = 50.400 m2

**Height** = 13 mm

**Dtex** = 5.500 DTex

**Type:** Monofilament  
**Stitches** = 44.100 m2

**Height** = 13 mm

**Dtex** = 8.400 DTex

**Type:** Textured  
**Stitches** = 67.200 m2

**Height** = 10 mm

**Dtex** = 8.610 DTex

(More information may be requested in a separate file. These measures will depend on the specific provider)