



## TECHNICAL DATACARD

# STARLIGHT

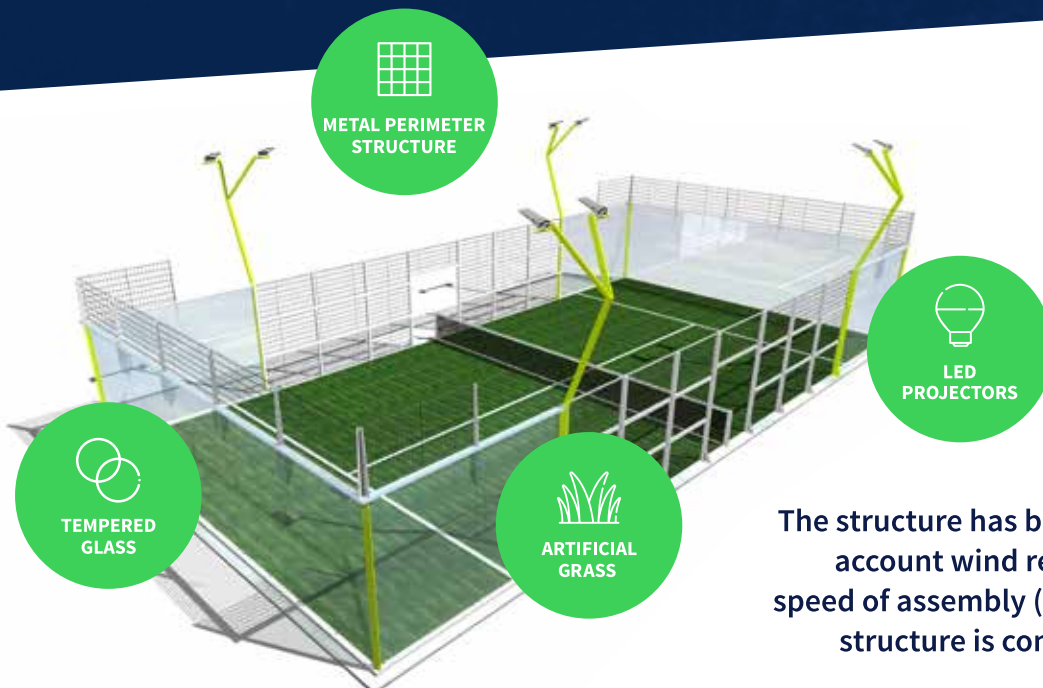
The Starlight padel court model is manufactured with leading quality materials, in accordance with Spanish Padel Federation regulations.

## THE STARLIGHT PADDLE COURT IS COMPOSED OF:

### Metal perimeter structure consisting of:

- 100x60x2mm structural tube in S235JR steel in glass support structure.
- 22 structural pillars in S235JR steel of 100x60x2mm of 1 mt in height, reinforced at the bottom with a 50x20x2mm gusset.
- 4 pillars of 3 mt height in 100x60x2mm, connected with an existing pillar to hold the light projectors.
- 22 anchor plates in galvanized steel of 300x150x10mm, which will be fixed by means of mechanical plugs of 100x12mm to the foundation footing of the slab.
- 14 frames of electro-welded mesh of 50x50x4mm and size 2000x1000mm.
- 6 frames of electro-welded mesh of 50x50x4mm and size 3000x1680mm.
- 120x10mm stainless steel through screws to join the mesh frames to the pillars (protecting them with metal washers).
- The entire metal structure receives an anti-corrosion treatment consisting of several processes for washing the steel, applying anti-corrosion resins and, finally, lacquering in the chosen color with 100-micron thick epoxy resins.

**The court can be paint in any RAL color. Furthermore, pillars can be paint in one color and meshes in another.**



The structure has been designed taking into account wind resistance, aesthetics and speed of assembly (or disassembly), and the structure is completely self-supporting.

## Tempered glass consisting of:

- 12 mm thick tempered glass, bringing a total of 18 sheets measuring 1995x2995 mm. Thermally tempered glass according to Standard EN-12150-2, tested with heat soak test EN-14179-2.
- Black 60x4 mm EPDM seal (ethylene propylene), with outstanding performance under inclement weather and temperature conditions. Fully sealed to avoid contact between the glass and the metal structure.
- PVC bushing to be installed in the countersunk holes of the tempered glass. Its purpose is to avoid contact between the glass fixing screws and the glass.
- Stainless steel glass fixing screws. DIN M8x30 countersunk Allen screws.

## Artificial grass

- Supercourt XN monofilament grass of 46.200 stiches and 10.000 dtex. Outstanding performance for playing padel. In green and blue.
- Two-component joining strip and glue to install the grass.
- 2.000 kg of silica sand with grain size 0.2-0.5, specially for padel.

## LED projectors

- 8 250W LED projectors with IP66 rating, and 37.899 lumens per projector. Compliant with Standard UNE-EN 12193 on "Lighting for sports facilities Type I". Em 523 lux.

