

# BENITO

Street Furniture  
Street Lighting  
Playground  
Covers and Grates

## SPORTS

### LIGHTING

- ✓ High efficiency LED lighting
- ✓ Intuitive and simple remote control system
- ✓ Savings of up to 70%

# Apolo floodlight

## Lighting for football pitches

Ready for **any pitch,**  
**in any location.**

Easy installation - Between 15 and 21 kg depending on model.

High efficiency - 154 lm/W net.

Laser pointer to facilitate correct alignment.



Possibility to independently adjust each module up to +/- 20°.



Adjustable rotation axis with safety locking screw.



Steel rod withstands vibrations up to 5G.



Centralised junction box for easy installation.



Generous dissipation surface made of extruded aluminium with high thermal transmission and a low weight.



Waterproof connectors designed for use outdoors.



Compact high power controller with IP66 aluminium enclosure and 20kV overvoltage protection.



High efficiency LED module >180 lm/W with waterproof optics.

Power range from 500 to 1500 W with light package from 77,000 to 226,500 lumens



### Apolo XL

APALXL

1.500 W 226.500 lm



### Apolo L

APAL

1.000 W 151.000 lm



### Apolo M

APAM

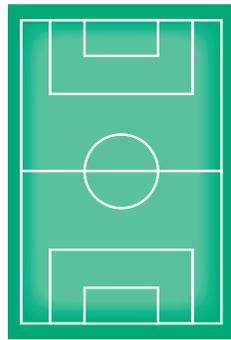
500 W 77.000 lm

# OnField Sport control system to manage the lighting of football pitches

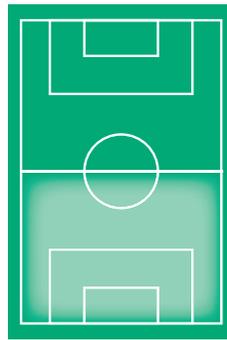
- ✓ Controls switching on and off.
- ✓ Configures different scenarios: training, match, 7-a-side football, etc.
- ✓ Turns on the lighting partially or fully.
- ✓ Control the lighting using a simple APP or a practical control keyboard.
- ✓ No additional wiring.



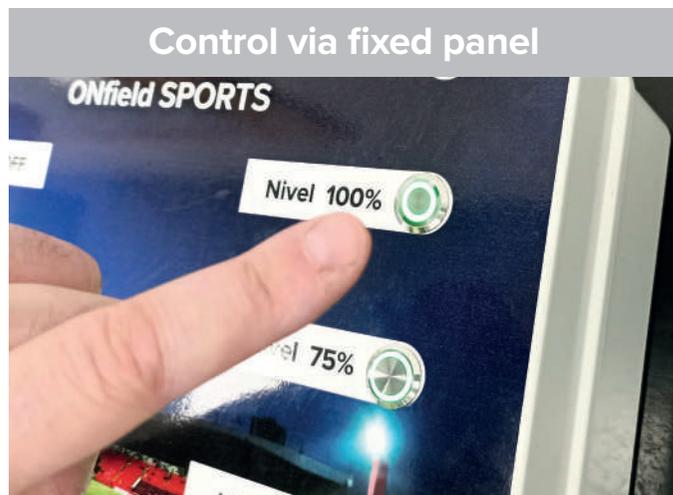
Match scenario



Training scenario



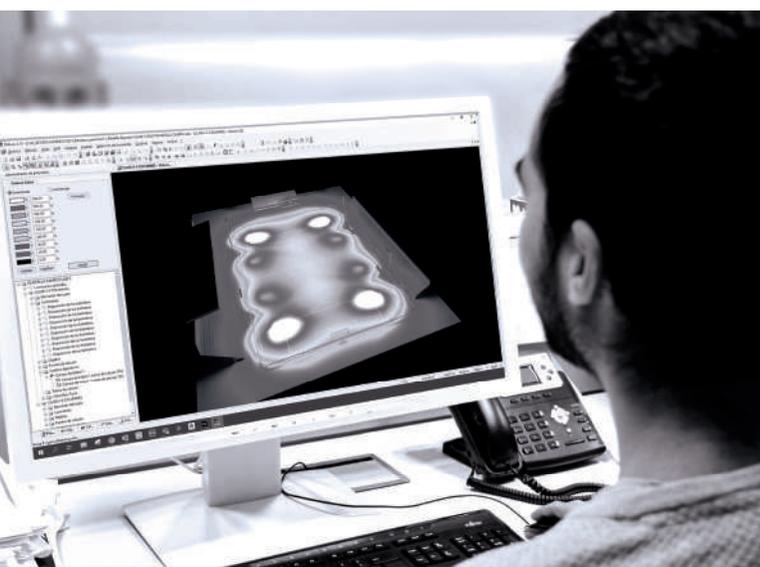
7-a-side football scenario



Control via fixed panel

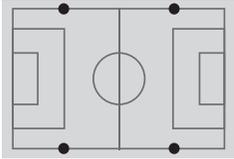


Control via APP



## We analyse and design your project to measure

Benito offers its customers a technical and design department. The team takes care of every detail, as this is the only way to guarantee maximum efficiency and lighting quality in each case.



# FOOTBALL PITCH with 4 18-metre masts

Pitch: 105x68 metres



Floodlight **APOLO XL**



Floodlight **APOLO L**



Floodlight **APOLO M**

**COMPETITION PITCH** - Class I

Em >500lx, Um >70, UGR <55, CRI >80

**RF EF**

\*Requirements according to UNE-EN-12193.

**PROFESSIONAL PITCH** - Class II

Em >200lx, Um >70, UGR <55, CRI >70

**RF EF**

\*Requirements according to UNE-EN-12193.

**AMATEUR PITCH** - Class III

Em >75lx, Um >60, UGR <55, CRI >70

\*Requirements according to UNE-EN-12193.

**THE PROPOSAL**

Lighting equipment	<b>24 APOLO XL 1500W</b>
Mast floodlights	<b>6 floodlights</b>
Full power	<b>36 kW</b>
Control system	<b>4 CBOX OnField nodes</b>
Scenarios	Up to <b>12</b>

**THE PROPOSAL**

Lighting equipment	<b>16 APOLO L 1000W</b>
Mast floodlights	<b>4 floodlights</b>
Full power	<b>16 kW</b>
Control system	<b>4 CBOX OnField nodes</b>
Scenarios	Up to <b>6</b>

**THE PROPOSAL**

Lighting equipment	<b>20 APOLO M 500W</b>
Mast floodlights	<b>5 floodlights</b>
Full power	<b>10 kW</b>

**THE RESULT**

Energy savings	<b>&gt;70%</b>
Annual energy savings	<b>81.560kWh/year</b>
Return on Investment (ROI)	<b>&lt;4 years</b>

**THE RESULT**

Energy savings	<b>&gt;75%</b>
Annual energy savings	<b>45.240kWh/year</b>
Return on Investment (ROI)	<b>&lt;3 years</b>

**THE RESULT**

Energy savings	<b>&gt;60%</b>
Annual energy savings	<b>25.410kWh/year</b>
Return on Investment (ROI)	<b>&lt;4 years</b>

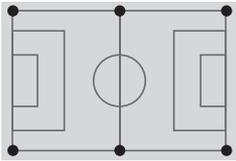
\* Estimated data based on an energy cost of €290/MWh and losses of 12% in the auxiliary equipment of Metal Halide installations. Estimated 4 hours/day of operation.



Ciudad Deportiva La Solana - Castile La Mancha - Class II Court  
**Savings of 70%**



We analyse and design your project to measure  
**3D rendering and lighting calculations**



# FOOTBALL PITCH with 6 18-metre masts

Pitch: 105x68 metres



Floodlight **APOLO XL**



Floodlight **APOLO L**



Floodlight **APOLO M**

## COMPETITION PITCH · Class I

Em >500lx, Um >70, UGR <55, CRI >80

\*Requirements according to UNE-EN-12193.



## PROFESSIONAL PITCH · Class II

Em >200lx, Um >70, UGR <55, CRI >70

\*Requirements according to UNE-EN-12193.



## AMATEUR PITCH · Class III

Em >75lx, Um >60, UGR <55, CRI >70

\*Requirements according to UNE-EN-12193.

### THE PROPOSAL

Lighting equipment	<b>30 APOLO XL 1500W</b>
Mast floodlights	<b>5 floodlights</b>
Full power	<b>45 kW</b>
Control system	<b>6 CBOX OnField nodes</b>
Scenarios	Up to <b>12</b>

### THE PROPOSAL

Lighting equipment	<b>22 APOLO L 1000W</b>
Mast floodlights	<b>(4x4) + (2x3)</b>
Full power	<b>22 kW</b>
Control system	<b>6 CBOX OnField nodes</b>
Scenarios	Up to <b>6</b>

### THE PROPOSAL

Lighting equipment	<b>22 APOLO M de 500W</b>
Mast floodlights	<b>(4x4) + (2x3)</b>
Full power	<b>11 kW</b>

### THE RESULT

Energy savings	<b>&gt;70%</b>
Annual energy savings	<b>81.560kWh/year</b>
Return on Investment (ROI)	<b>&lt;4 years</b>

### THE RESULT

Energy savings	<b>&gt;70%</b>
Annual energy savings	<b>49.764kWh/year</b>
Return on Investment (ROI)	<b>&lt;3 years</b>

### THE RESULT

Energy savings	<b>&gt;65%</b>
Annual energy savings	<b>27.951kWh/year</b>
Return on Investment (ROI)	<b>&lt;4 years</b>

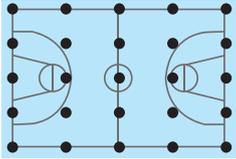
\* Estimated data based on an energy cost of €290/MWh and losses of 12% in the auxiliary equipment of Metal Halide installations. Estimated 4 hours/day of operation.



UE Sant Vicenç de Torelló · Barcelona - Class II Court  
Savings of **70%**



We analyse and design your project to measure  
**3D rendering and lighting calculations**



# INDOOR

Sports Hall PB-2b: 28,5x48 metres



Floodlight **MILAN XXL**



Floodlight **MILAN XL**

## NATIONAL or INTERNATIONAL COMPETITION · Class I

Em >750lx, Um >70, UGR <55, CRI >80

\*Requirements according to UNE-EN-12193.

## REGIONAL or LOCAL COMPETITION · Class II

Em >500lx, Um >70, UGR <55, CRI >70

\*Requirements according to UNE-EN-12193.

### THE PROPOSAL

Lighting equipment	<b>40 Floodlights MILAN XXL 460W</b>
Distribution	<b>Bilateral</b>
Full power	<b>18 kW</b>
Control system	OnField Sports
Scenarios	Up to <b>6</b>

### THE PROPOSAL

Lighting equipment	<b>24 Floodlights MILAN XL 250W</b>
Distribution	<b>In matrix</b>
Full power	<b>6 kW</b>
Control system	OnField Sports
Scenarios	Up to <b>6</b>

### THE RESULT

Energy savings	<b>&gt;70%</b>
Annual energy savings	<b>39.543kWh/year</b>
Return on Investment (ROI)	<b>&lt;4 years</b>

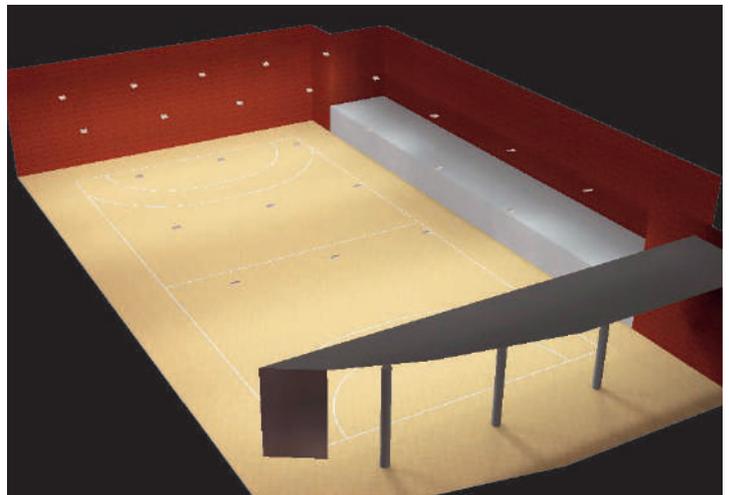
### THE RESULT

Energy savings	<b>&gt;70%</b>
Annual energy savings	<b>25.593kWh/year</b>
Return on Investment (ROI)	<b>&lt;3 years</b>

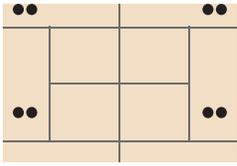
\* Estimated data based on an energy cost of €290/MWh and losses of 12% in the auxiliary equipment of Metal Halide installations. Estimated 4 hours/day of operation.



Pabellón Municipal Sant Joan Despí - Class II Court  
**Savings of 60%**



We analyse and design your project to measure  
**3D rendering and lighting calculations**



# TENNIS/PADDLE

Regulatory measurement of the tennis court: 23.76 x 10.97 metres



Floodlight **MILAN XXL**



Floodlight **MILAN M**

## Tennis Court - Class I

**Em >500lx, Um >70, UGR <55, CRI >80**

\*Requirements according to UNE-EN-12193.

## Paddle/Tennis Court - Class II

**Em >300lx, Um >70, UGR <55, CRI >70**

\* Requirements according to UNE-EN-12193.

## THE PROPOSAL

Lighting equipment **12 Floodlights MILAN XXL 460W**

Altura **8 metres**

Full power **5,5 kW**

Control system OnField Sports

Scenarios Up to **6**

## THE PROPOSAL

Lighting equipment **8 Floodlights MILAN M 150W**

Altura **6-7 metres**

Full power **1,2 kW**

Control system OnField Sports

Scenarios Up to **6**

## THE RESULT

Energy savings **>55%**

Annual energy savings **6.480kWh/year**

Return on Investment (ROI) **<3 years**

## THE RESULT

Energy savings **>60%**

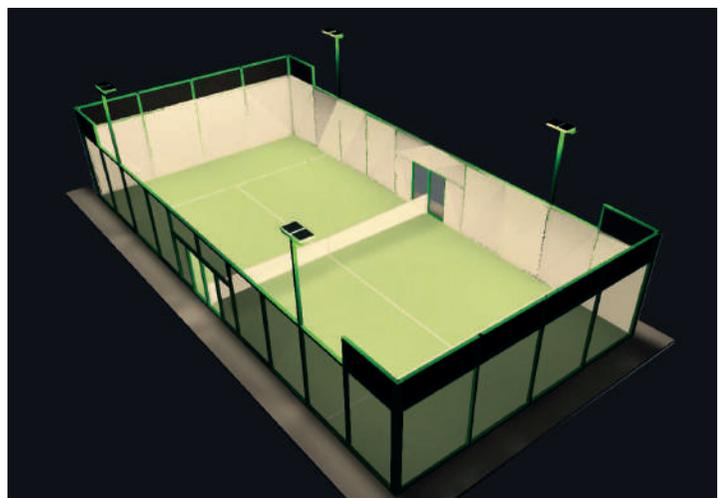
Annual energy savings **2.000kWh/year**

Return on Investment (ROI) **<4 years**

\* Estimated data based on an energy cost of €290/MWh and losses of 12% in the auxiliary equipment of Metal Halide installations. Estimated 4 hours/day of operation.



Aerial Padel · Cornellá - Class II Court  
**Savings of 60%**



We analyse and design your project to measure  
**3D rendering and lighting calculations**



## LED lighting for sports courts

Sports centres, paddle tennis courts, tennis courts, swimming pools and all types of medium-sized indoor and outdoor sports facilities, with the MILAN family of floodlights. Maximum efficiency and the possibility to control via a simple APP or an intuitive control panel.

Scan the QR code and discover more projects in BENITO IN WORLDWIDE



# BENITO

info@benito.com  
tel. +34 93 852 1000



Street Furniture



Street Lighting



Playgrounds



Covers and Gates