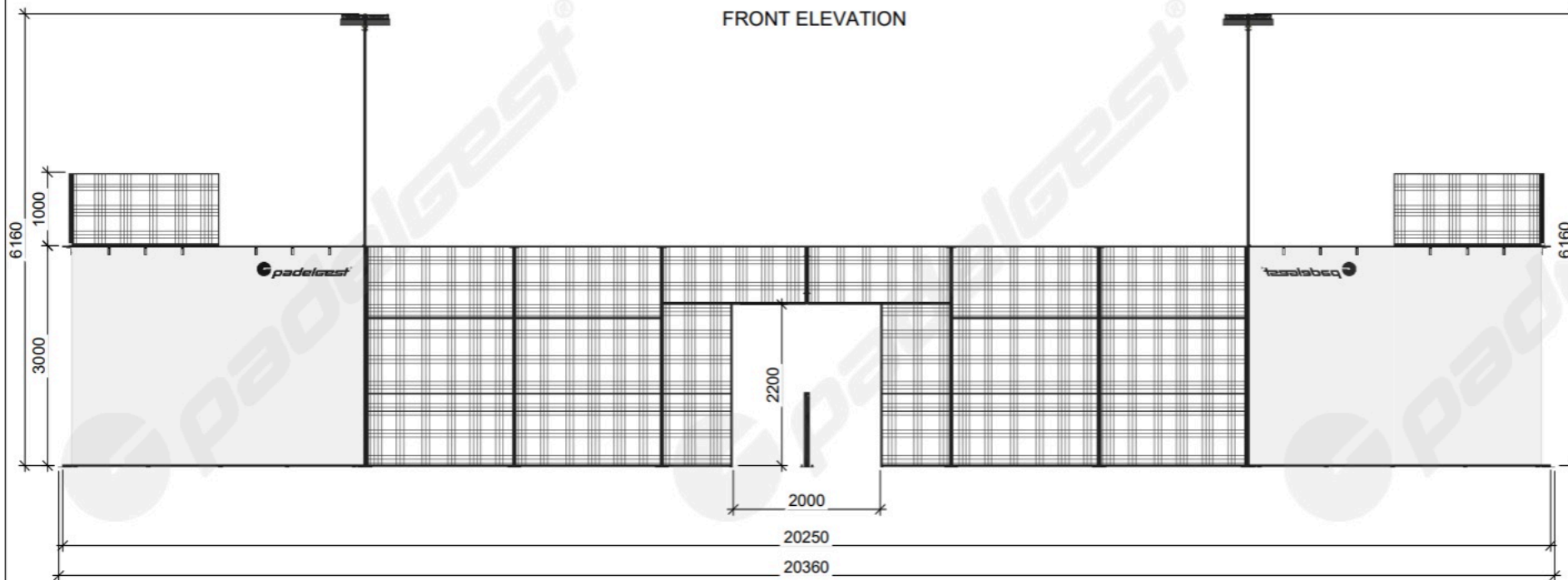
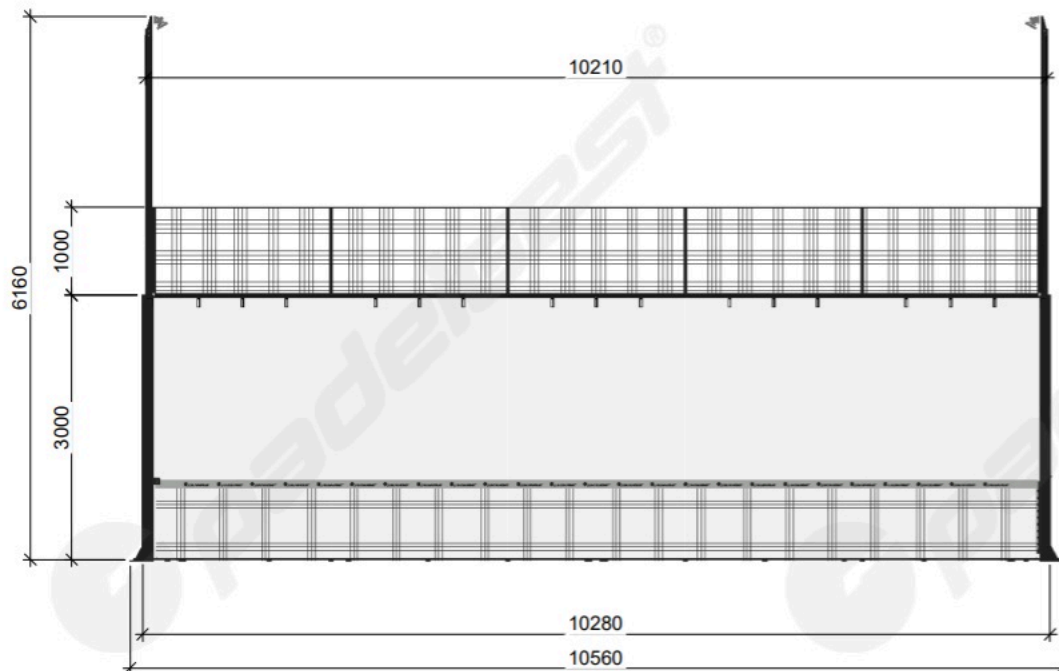


Lighting Details

FRONT ELEVATION



SIDE ELEVATION



SUPERPANORAMIC

1. LIGHT POLE POSTS LOWER PART - up to 3.0 m: 4 units.
Profile: structural tubular 120x40x3, anchor plate thickness 10mm. Material: S235, finishing: galvanized and oven painted with polyester. Option: reinforced light pole post with double profile up to 1.0m high, to increase the range of supported wind speed.
2. INTERMEDIATE POSTS: 8 units.
Profile: structural tubular 80x60x2, anchor plate thickness 10mm. Material: S235, finishing: galvanized and oven painted with polyester.
3. LOWER RING: profile: structural tubular 120x30x3, anchor plates thickness 10mm. Material: S235, finishing: galvanized and oven painted with polyester.
4. UPPER RING - GLASS AREA: profile: structural tubular 120x60x3 connected to the light pole posts. Material: S235, finishing: galvanized and oven painted with polyester.
5. INTERMEDIATE UPPER RING: profile: structural tubular 100x60x3, supported by the intermediate posts and connected to the light pole posts. Material: S235, finishing: galvanized and oven painted with polyester.
6. LUMINAIRE: 4 units, profile: structural tubular 80x40x3. Material: S235, finishing: galvanized and oven painted with polyester. *OPTION: 3 different types: "Streight", "Curved" and "Future".
7. MESH PANELS: Tubular profile frames, profiles: 30x30x1.5, 50x30x1.5 and 40x20x1.5, electro welded mesh 50x50 Ø4. Material: S235, finishing: hot dip galvanized and oven painted with polyester.
8. GLASS PANELS: Tempered glass for structural uses, 18 units 2985x1995mm, thickness 12 mm, polished edges. Supported by L-profile 20x1.5 welded to the lower ring. For fixing to the upper ring, with 3 countersunk holes Ø18 to 30 mm.

Padelgest				www.padelgest.com info@padelgest.com +34 625 937 686	IF NOT OTHERWISE STATED, ALL DIMENSIONS IN: cm	Project: "SUPERPANORAMIC" PADDLE COURT		
Drawn:	Name:	Signature:	Date:	Material:	---	Part: PRESENTATION		
Verif:	G. IVANOV		28.11.22	Finishing:	---	Drawing N°: SP-C-02		
Appr:	G. IVANOV		28.11.22	Weight (kg):	---	Revision: 00		
Prod:	---		---	Quantity:	---	Title: ELEVATIONS		
QTY:	---		---			Scale: 1:50		
						Sheet 1 de 1		

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F4723-240W-5000K-1

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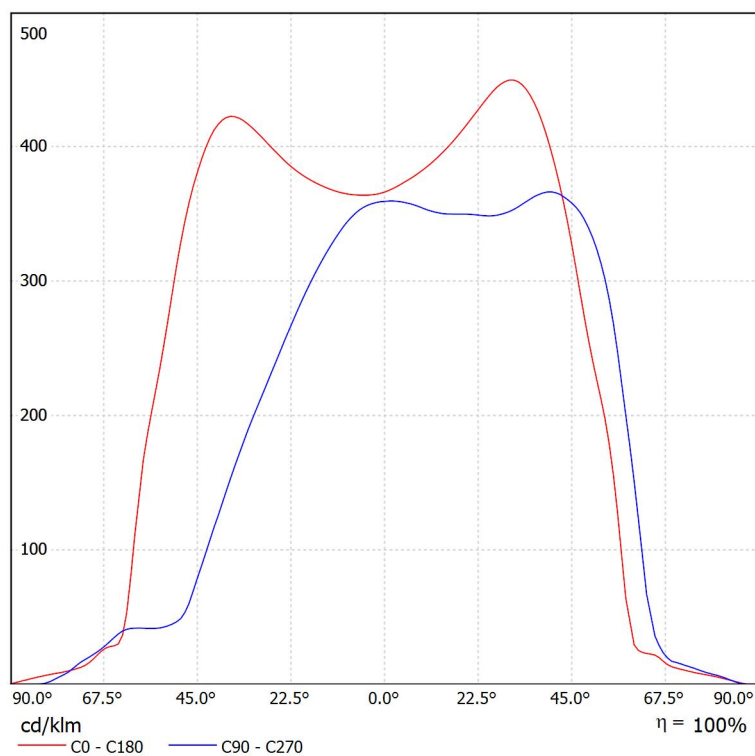
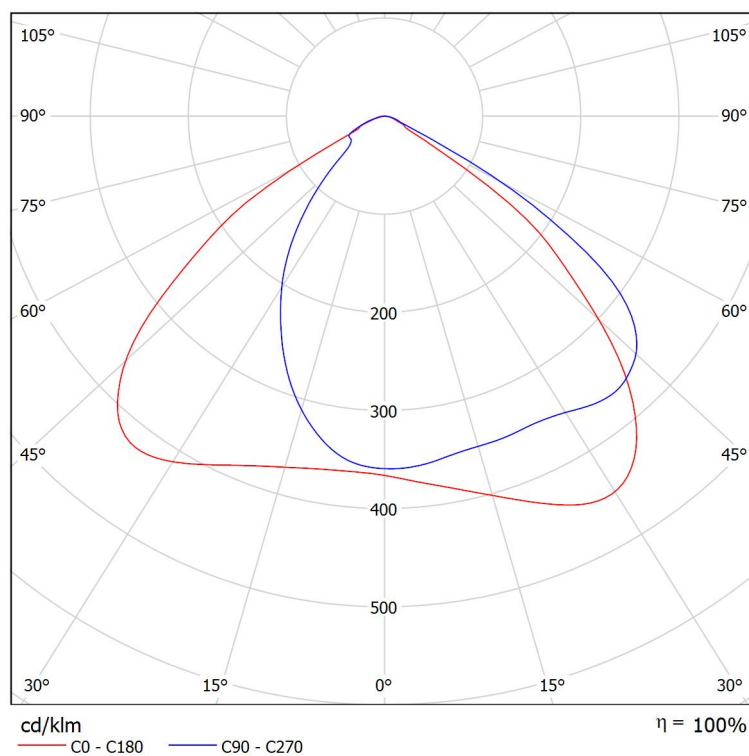
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F4723-240W-5000K-1 / LDC Data Sheet

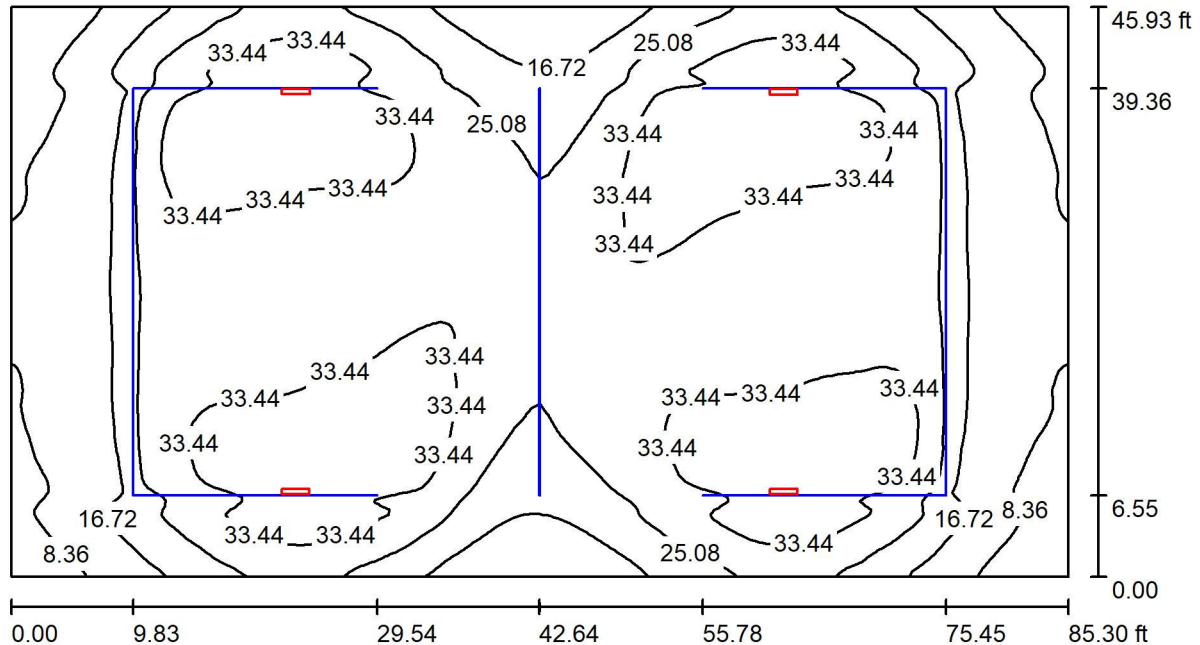
Luminaire: F4723-240W-5000K-1

Lamps: 1 x



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INDOOR PADEL / Summary



Height of Room: 32.808 ft, Mounting Height: 19.685 ft, Light loss factor: 0.85 Values in Footcandles, Scale 1:186

Surface	ρ [%]	E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u_0
Plano útil	/	26	3.07	41	0.118
Suelo	7	25	5.41	35	0.219
Techo	70	1.50	1.05	1.82	0.699
Walls (4)	50	3.92	1.13	23	/

Plano útil:

Height: 2.789 ft
 Grid: 128 x 128 Points
 Boundary Zone: 0.000 ft

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	4	F4723-240W-5000K-1 (1.000)	34648	34650	244.6
Total:			138592	138600	978.4

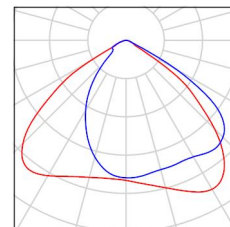
Specific connected load: 0.25 W/sq ft = 0.10 W/sq ft/10 fc (Ground area: 3918.06 sq ft)

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INDOOR PADEL / Luminaire parts list

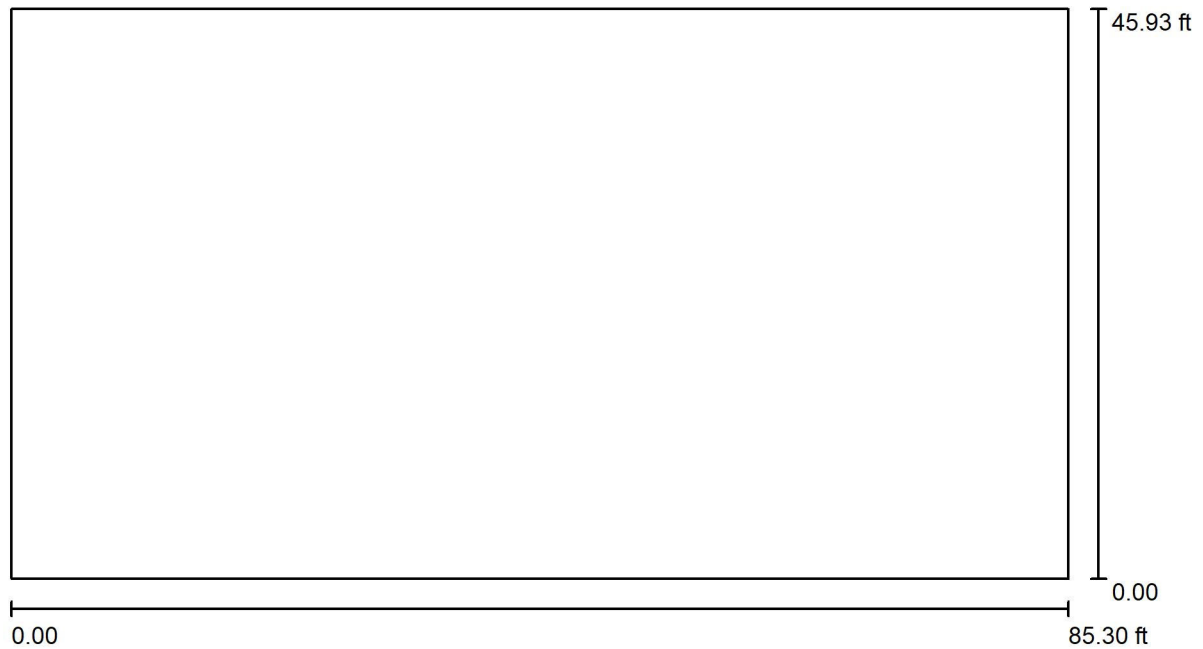
4 Pieces F4723-240W-5000K-1
 Article No.:
 Luminous flux (Luminaire): 34648 lm
 Luminous flux (Lamps): 34650 lm
 Luminaire Wattage: 244.6 W
 Luminaire classification according to CIE: 100
 CIE flux code: 55 92 99 100 100
 Fitting: 1 x User defined (Correction Factor 1.000).

See our luminaire
 catalog for an image of
 the luminaire.



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INDOOR PADEL / Floor plan

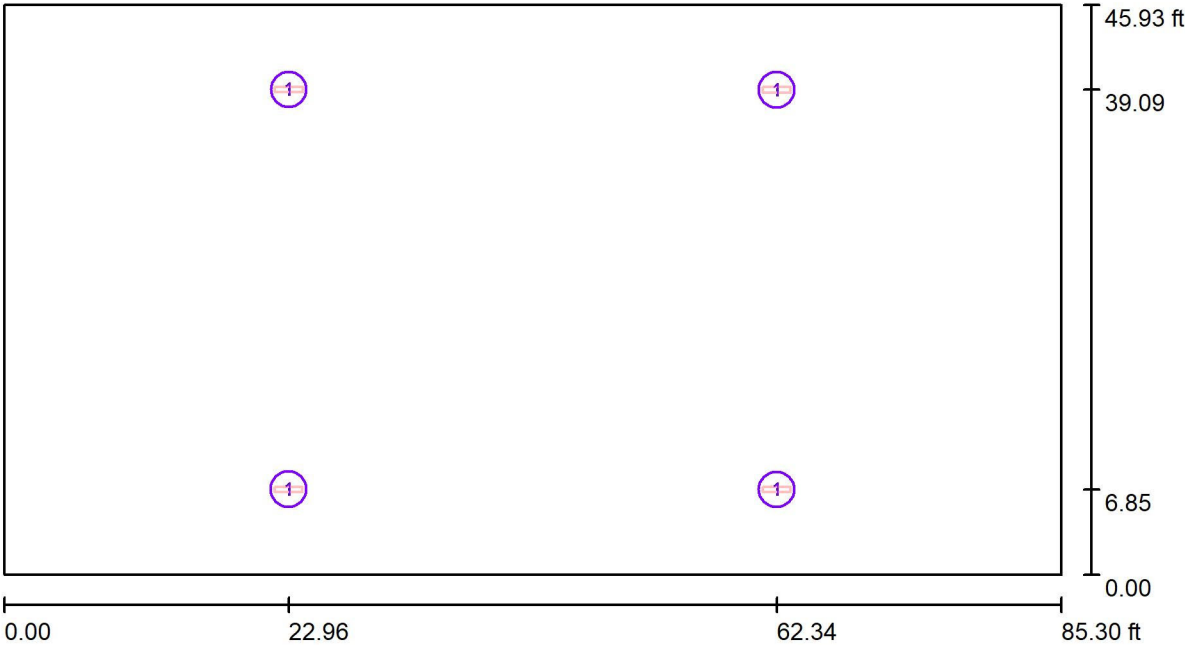


Scale 1 : 186



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INDOOR PADEL / Luminaires (layout plan)



Scale 1 : 186

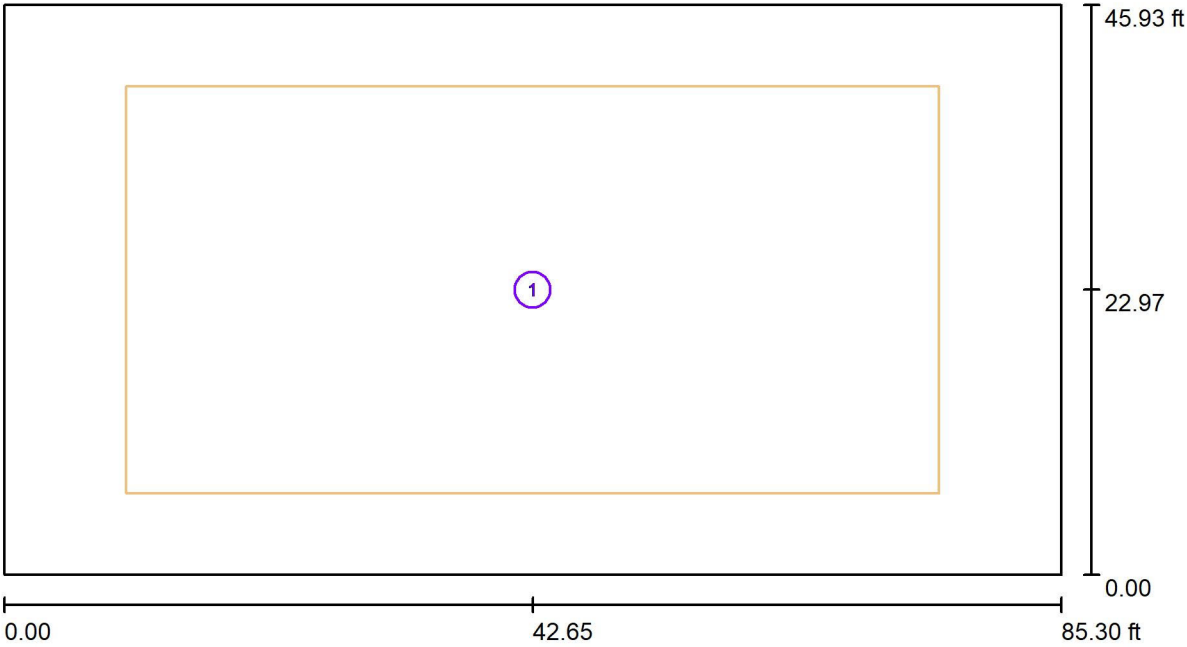
Luminaire Parts List

No.	Pieces	Designation
1	4	F4723-240W-5000K-1



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INDOOR PADEL / Sport Sites (layout plan)



Scale 1 : 186

Sport Site Parts List

No.	Pieces	Designation
1	1	General Sport Area

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INDOOR PADEL / Photometric Results

Total Luminous Flux: 138592 lm
 Total Load: 978.4 W
 Light loss factor: 0.85
 Boundary Zone: 0.000 ft

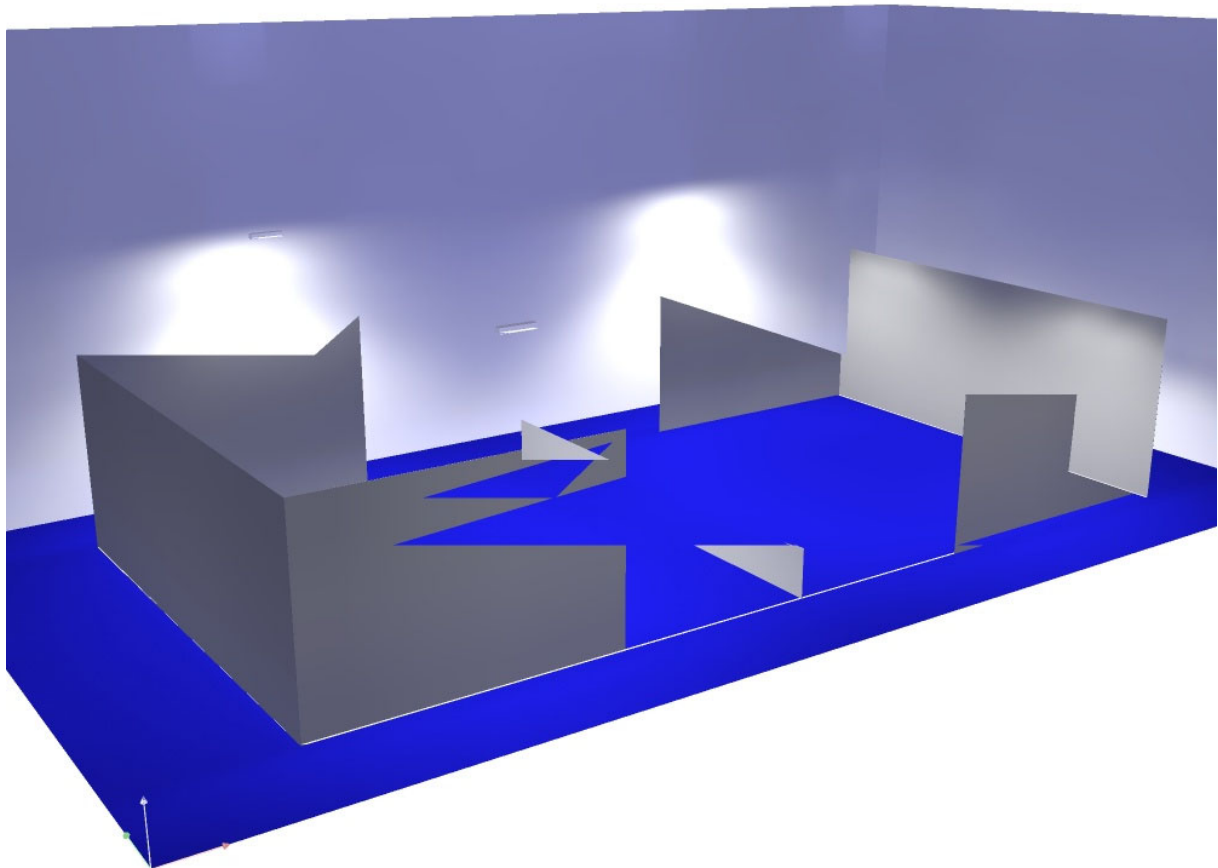
Surface	Average illuminances [fc]			Reflection factor [%]	Average luminance [cd/m ²]
	direct	indirect	total		
Plano útil	24	1.63	26	/	/
Suelo	23	1.84	25	7	5.93
Techo	0.00	1.50	1.50	70	3.60
Pared 1	3.06	1.38	4.44	50	7.61
Pared 2	1.59	1.32	2.91	50	4.99
Pared 3	3.07	1.42	4.49	50	7.70
Pared 4	1.59	1.32	2.91	50	4.99

Uniformity on the working plane
 u0: 0.118 (1:8)
 E_{min} / E_{max}: 0.074 (1:13)

Specific connected load: 0.25 W/sq ft = 0.10 W/sq ft/10 fc (Ground area: 3918.06 sq ft)

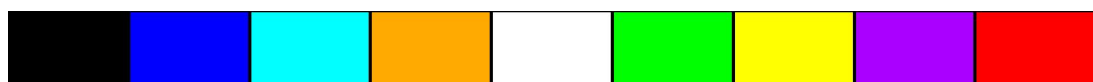
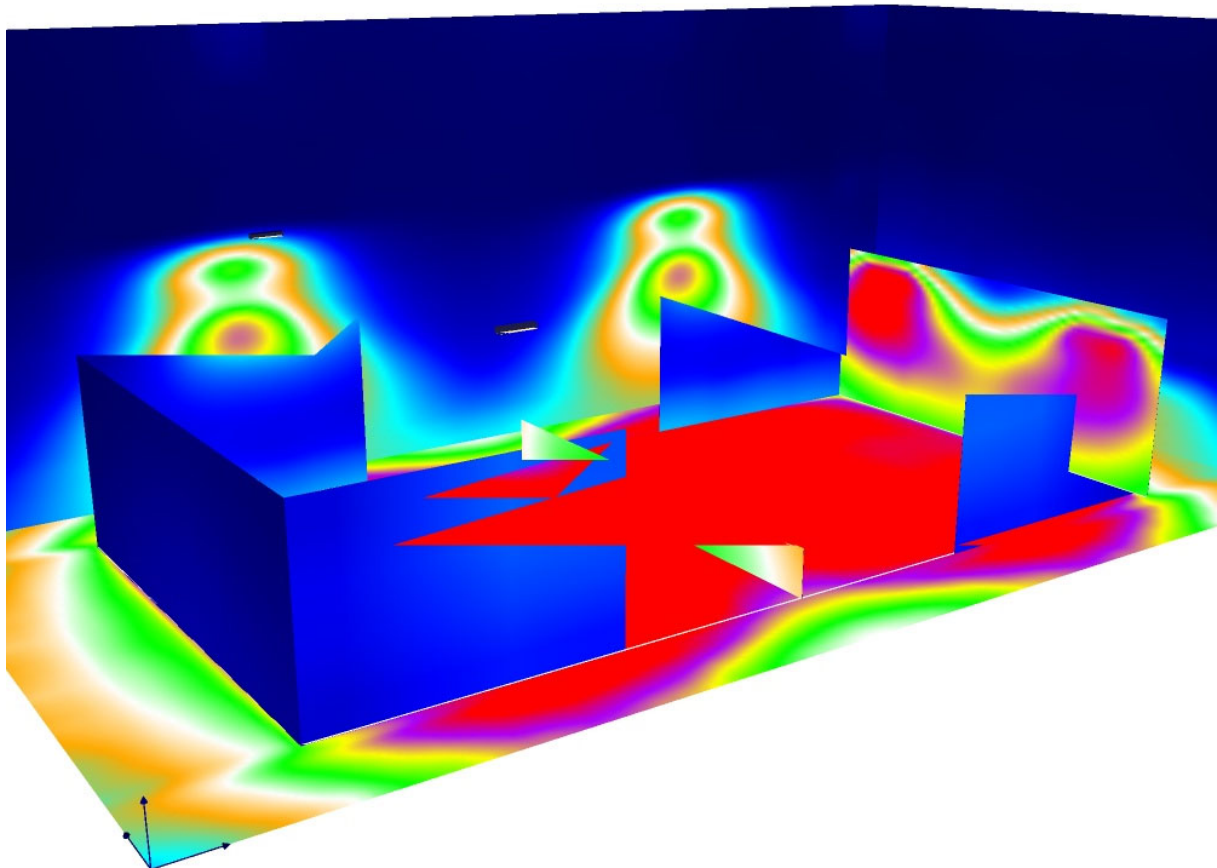
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INDOOR PADEL / 3D Rendering



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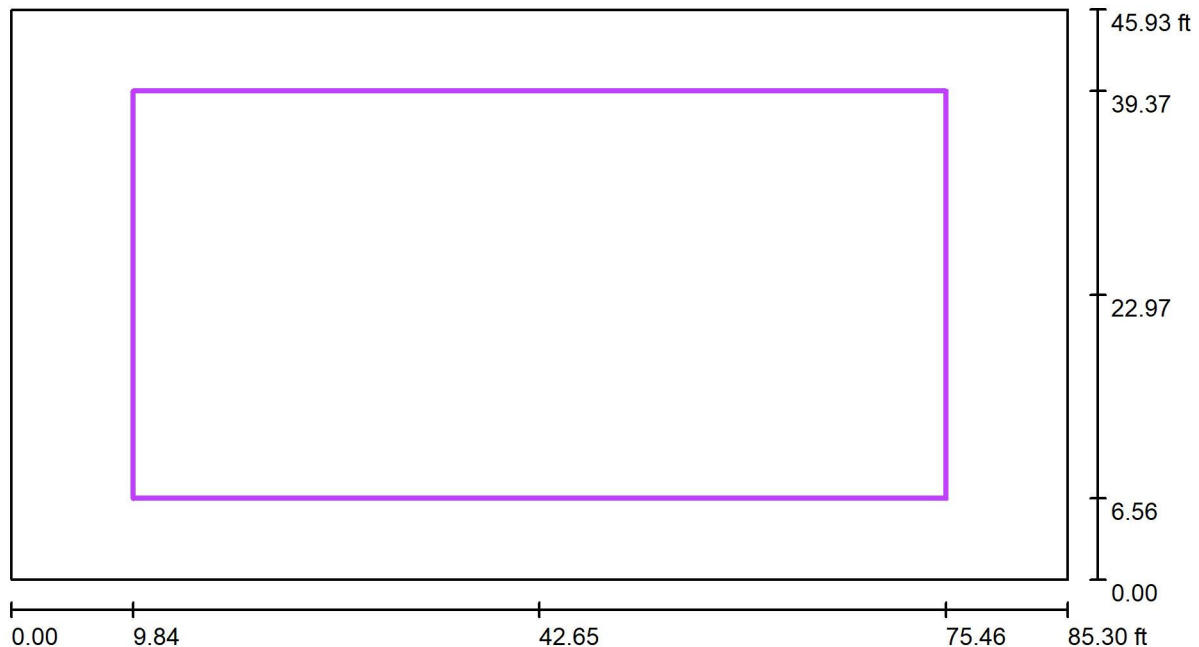
INDOOR PADEL / False Color Rendering



0 3.48 6.97 10.45 13.93 17.42 20.90 24.39 27.87 fc

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INDOOR PADEL / PADEL INTERIOR trama de cálculo (PA) / Summary



Scale 1 : 186

Position: (42.650 ft, 22.966 ft, 0.000 ft)
 Size: (65.616 ft, 32.808 ft)
 Rotation: (0.0°, 0.0°, 0.0°)
 Type: Normal, Grid: 13 x 7 Points
 Belongs to the following sport arena: PADEL INTERIOR

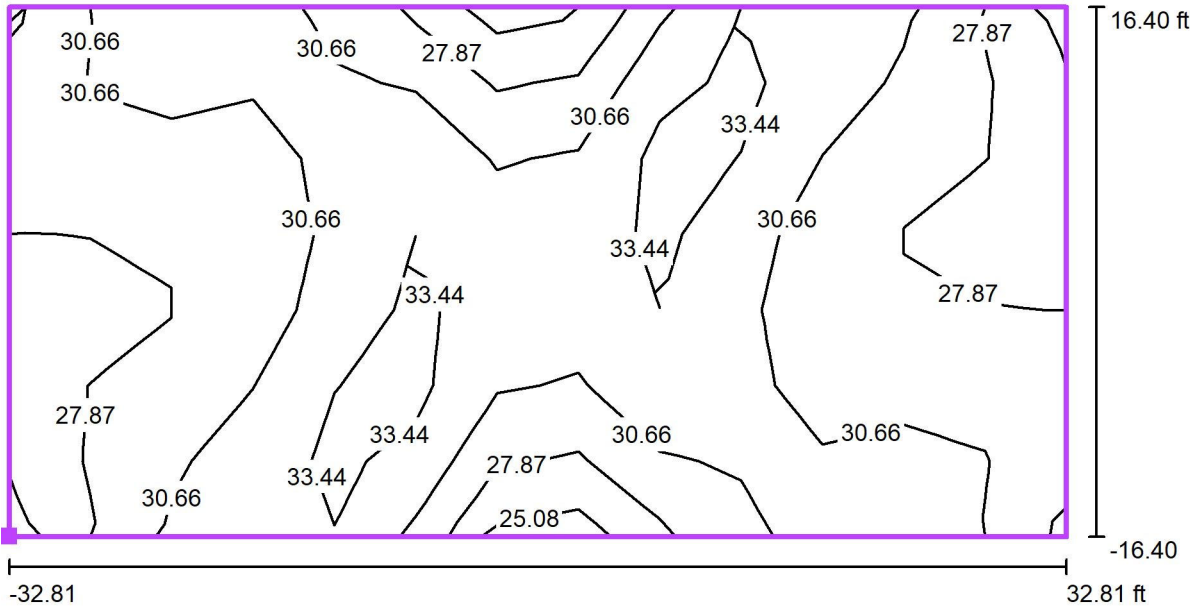
Results overview

No.	Type	E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	$u0$	E_{min} / E_{max}	$E_{h\ m} / E_m$	H [ft]	Camera
1	perpendicular	30	24	35	0.78	0.67	/	0.000	/

$E_{h\ m} / E_m$ = Relationship between middle horizontal and vertical illuminance, H = Measuring Height

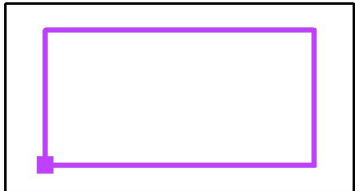
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INDOOR PADEL / PADEL INTERIOR trama de cálculo (PA) / Isolines (E, Perpendicular)



Values in Footcandles, Scale 1 : 143

Position of surface in room:
Marked point: (9.842 ft, 6.562 ft,
0.000 ft)

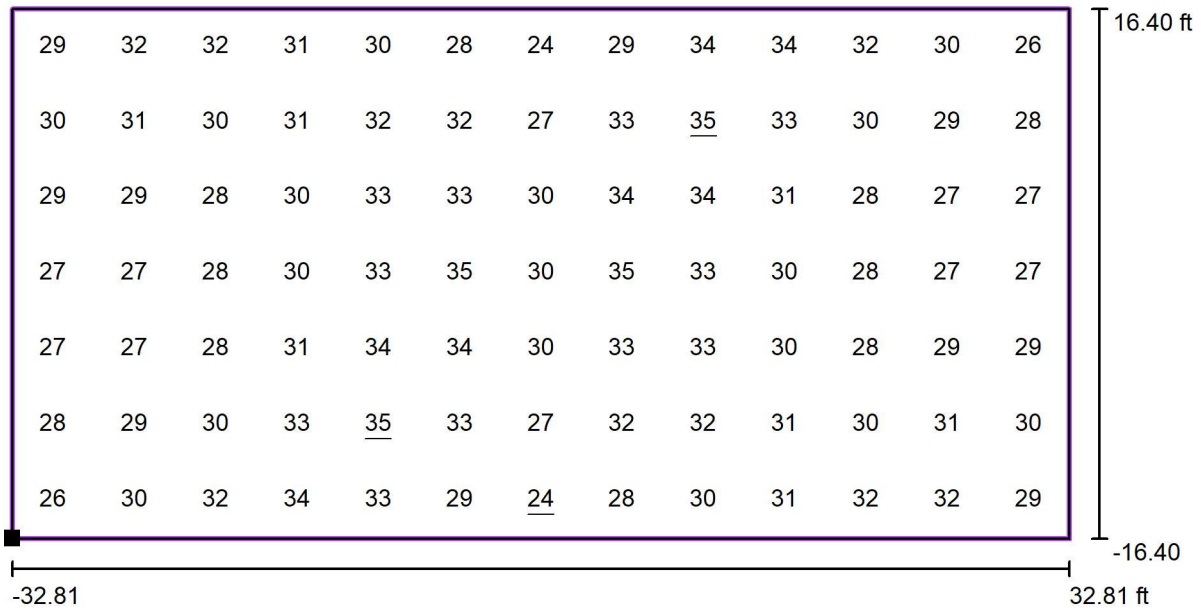


Grid: 13 x 7 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	$u0$	E_{min} / E_{max}
30	24	35	0.78	0.67

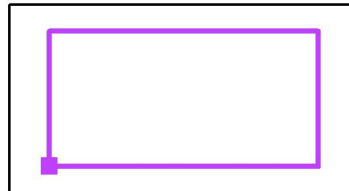
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INDOOR PADEL / PADEL INTERIOR trama de cálculo (PA) / Value Chart (E, Perpendicular)



Values in Footcandles, Scale 1 : 143

Position of surface in room:
 Marked point: (9.842 ft, 6.562 ft,
 0.000 ft)



Grid: 13 x 7 Points

E_{av} [fc]
30

E_{min} [fc]
24

E_{max} [fc]
35

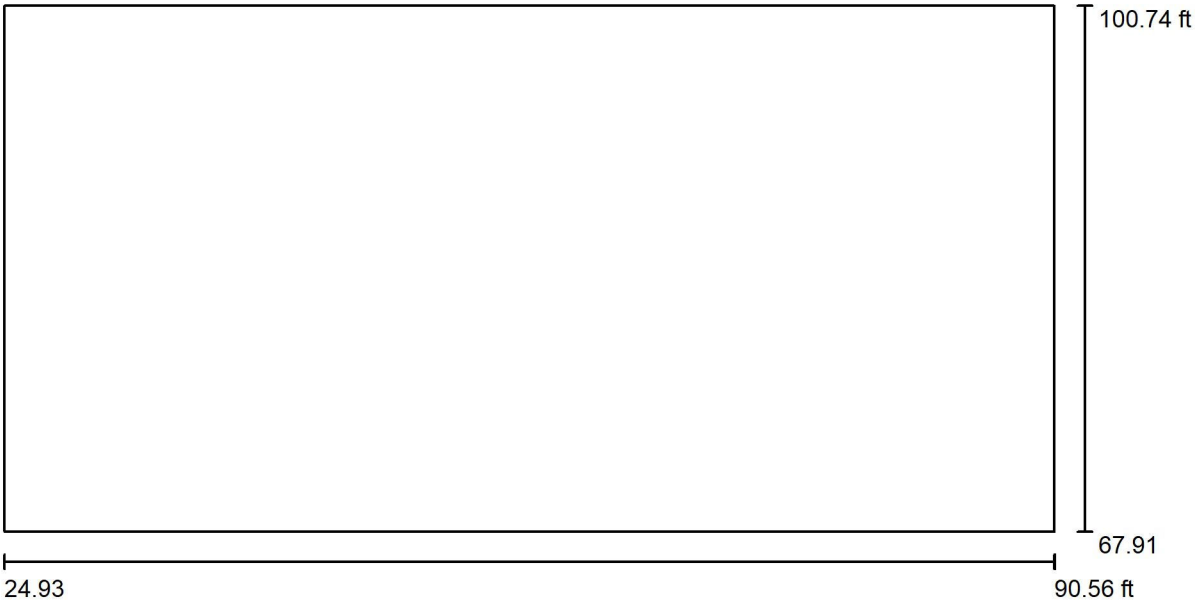
u_0
0.78

E_{min} / E_{max}
0.67



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OUTDOOR PADEL / Planning data



Light loss factor: 0.85, ULR (Upward Light Ratio): 0.0% Scale 1:144

Luminaire Parts List

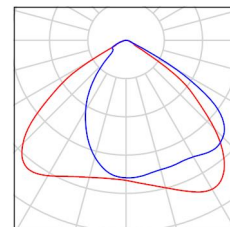
No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	4	F4723-240W-5000K-1 (1.000)	34648	34650	244.6
Total:			138592	Total: 138600	978.4

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OUTDOOR PADEL / Luminaire parts list

4 Pieces F4723-240W-5000K-1
 Article No.:
 Luminous flux (Luminaire): 34648 lm
 Luminous flux (Lamps): 34650 lm
 Luminaire Wattage: 244.6 W
 Luminaire classification according to CIE: 100
 CIE flux code: 55 92 99 100 100
 Fitting: 1 x User defined (Correction Factor 1.000).

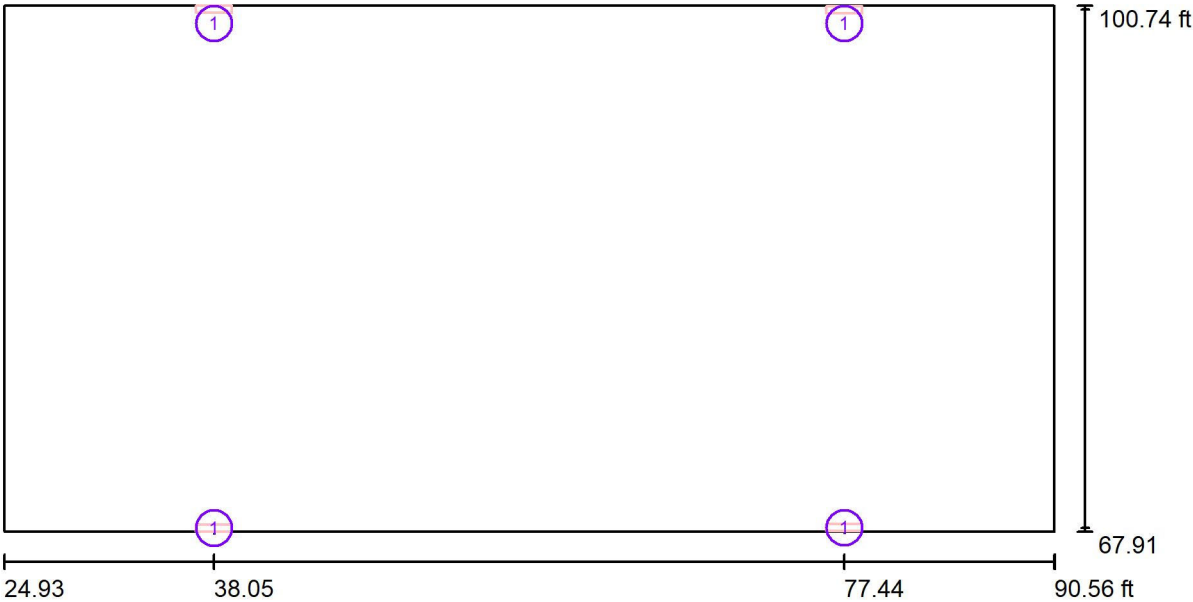
See our luminaire
 catalog for an image of
 the luminaire.





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OUTDOOR PADEL / Luminaires (layout plan)



Scale 1 : 144

Luminaire Parts List

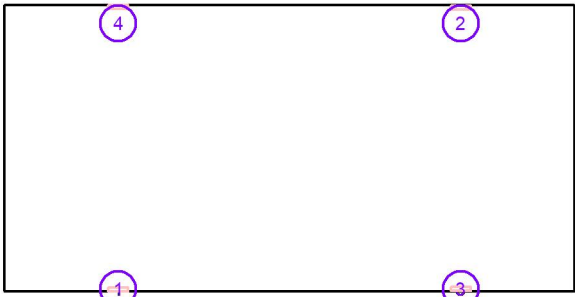
No.	Pieces	Designation
1	4	F4723-240W-5000K-1



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OUTDOOR PADEL / Luminaires (coordinates list)

F4723-240W-5000K-1
34648 lm, 244.6 W, 1 x 1 x User defined (Correction Factor 1.000).

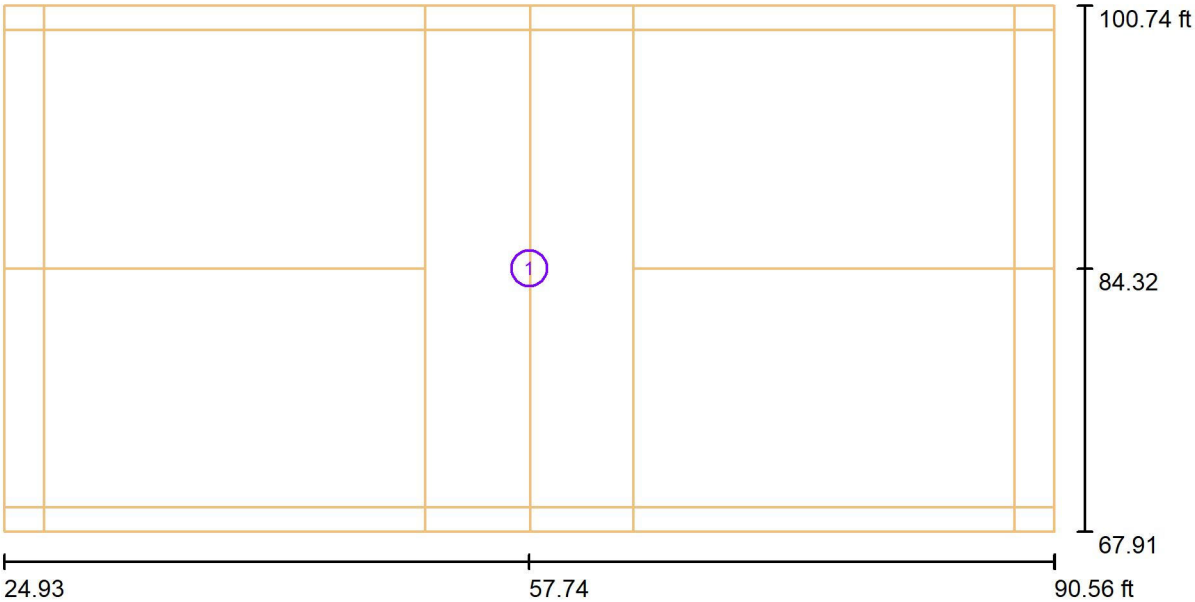


No.	Position [ft]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	38.049	68.134	19.685	0.0	0.0	0.0
2	77.435	100.471	19.685	0.0	0.0	180.0
3	77.435	68.150	19.685	0.0	0.0	0.0
4	38.049	100.493	19.685	0.0	0.0	180.0



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OUTDOOR PADEL / Sport Sites (layout plan)



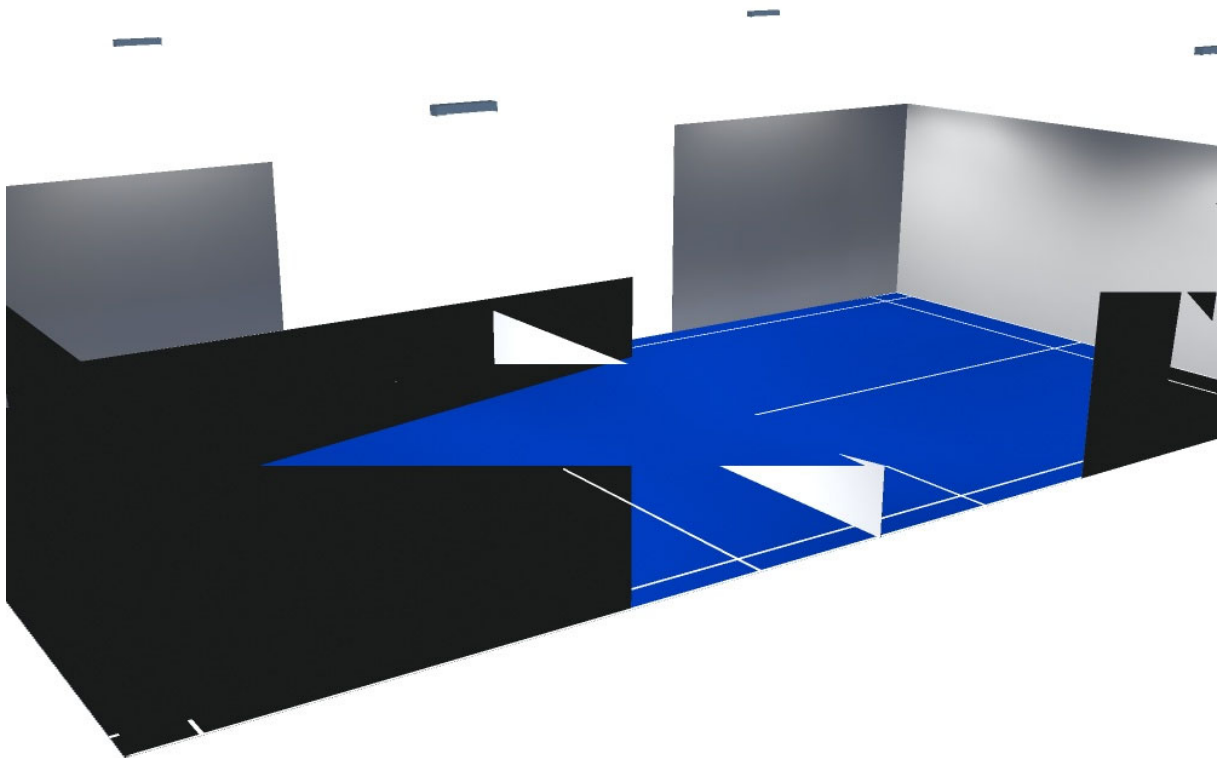
Scale 1 : 144

Sport Site Parts List

No.	Pieces	Designation
1	1	Badminton

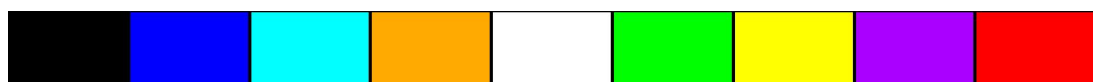
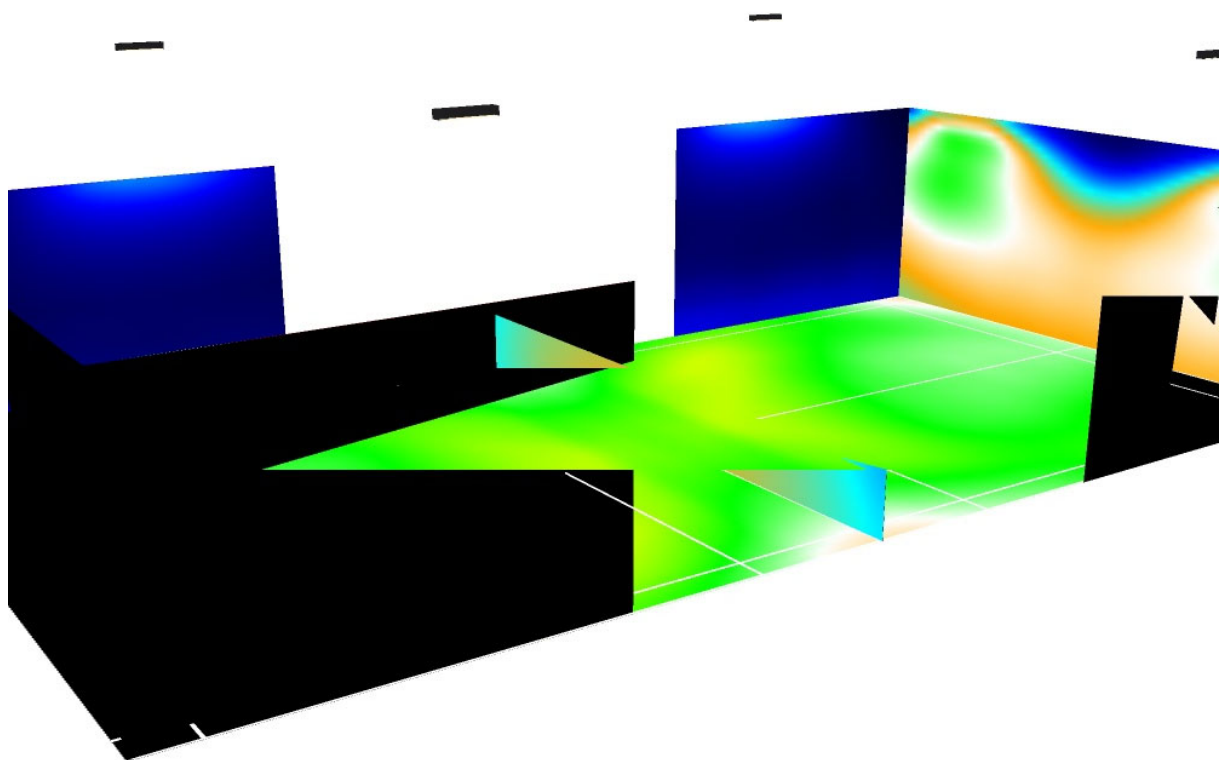
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OUTDOOR PADEL / 3D Rendering



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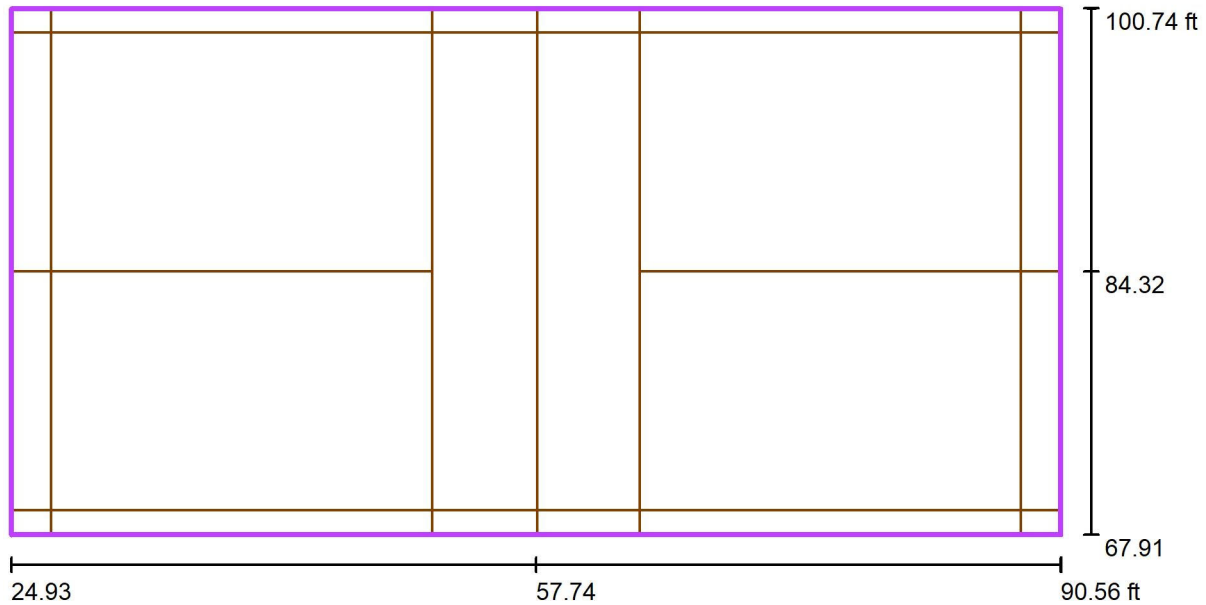
OUTDOOR PADEL / False Color Rendering



0 5.81 11.61 17.42 23.22 29.03 34.84 40.64 46.45 fc

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OUTDOOR PADEL / Trama de cálculo 2 / Summary



Scale 1 : 144

Position: (57.742 ft, 84.317 ft, 0.000 ft)
 Size: (65.616 ft, 32.808 ft)
 Rotation: (0.0°, 0.0°, 0.0°)
 Type: Normal, Grid: 13 x 7 Points
 Belongs to the following sport arena: padel

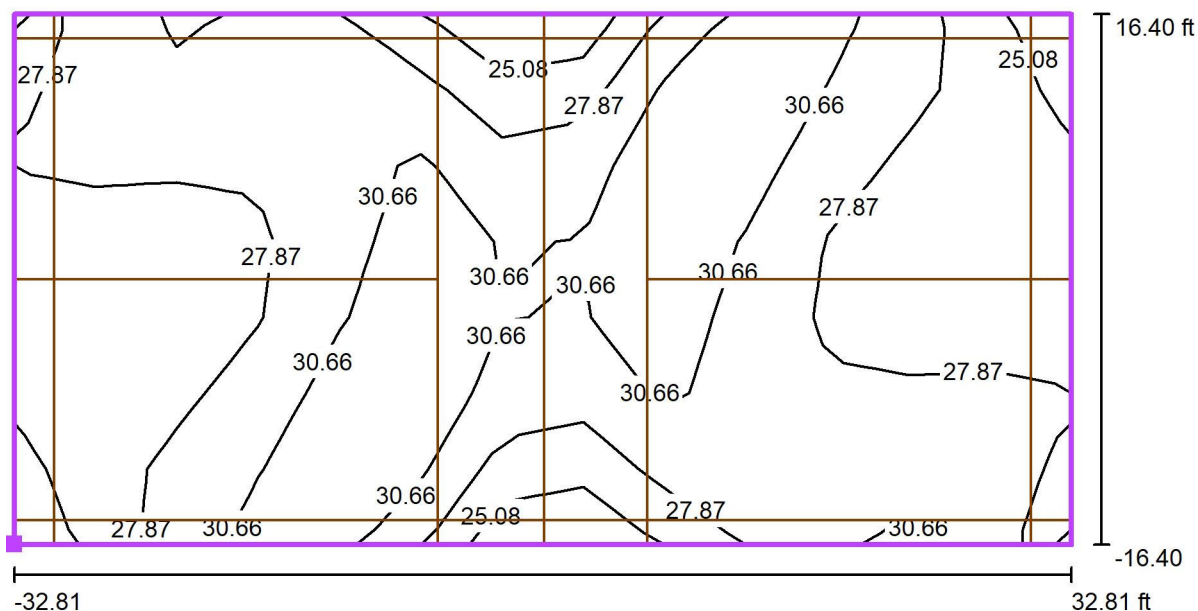
Results overview

No.	Type	E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	$u0$	E_{min} / E_{max}	$E_{h\ m} / E_m$	H [ft]	Camera
1	perpendicular	29	22	34	0.77	0.66	/	0.000	/

$E_{h\ m} / E_m$ = Relationship between middle horizontal and vertical illuminance, H = Measuring Height

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OUTDOOR PADEL / Trama de cálculo 2 / Isolines (E, Perpendicular)



Values in Footcandles, Scale 1 : 143

Position of surface in external scene:
 Marked point: (24.934 ft, 67.913 ft,
 0.000 ft)



Grid: 13 x 7 Points

E_{av} [fc]
29

E_{min} [fc]
22

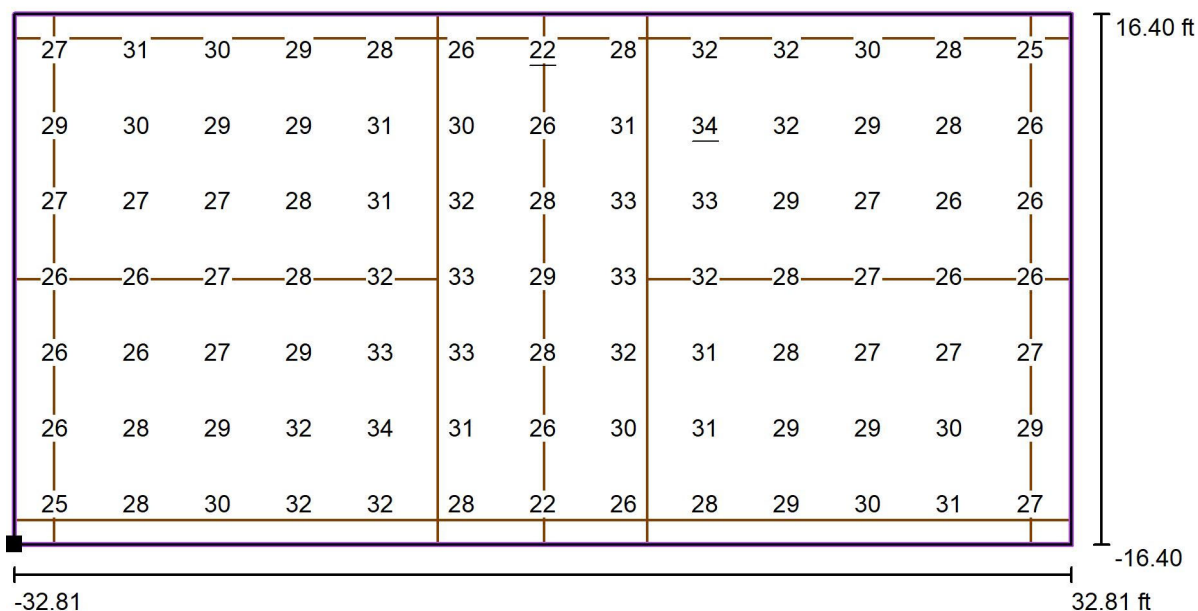
E_{max} [fc]
34

u_0
0.77

E_{min} / E_{max}
0.66

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OUTDOOR PADEL / Trama de cálculo 2 / Value Chart (E, Perpendicular)



Values in Footcandles, Scale 1 : 143

Position of surface in external scene:
 Marked point: (24.934 ft, 67.913 ft,
 0.000 ft)



Grid: 13 x 7 Points

E_{av} [fc]
29

E_{min} [fc]
22

E_{max} [fc]
34

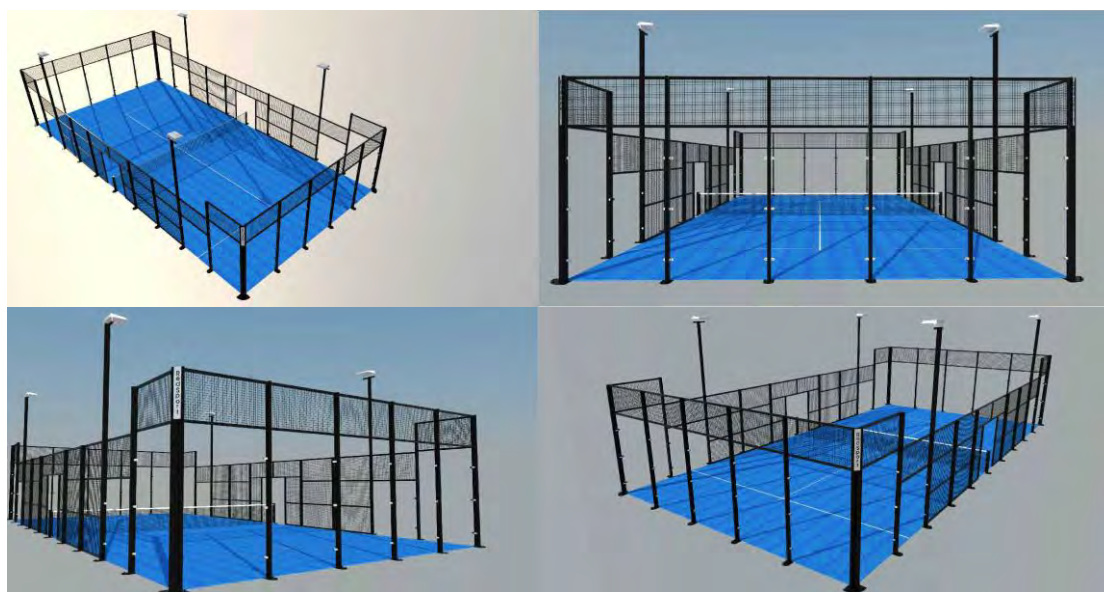
u_0
0.77

E_{min} / E_{max}
0.66

LTA PADEL COURT DATA SHEET



LTA PADEL COURT DATASHEET



GENERAL

This data sheet has been produced in order to provide information and guidance for venues considering the construction of a padel court.

DEFINITION

A padel court is defined as area 20m long x 10m wide enclosed above ground with a combination of glass and weld mesh rebound wall and fence panels supported of steel posts fixed to a concrete foundation with a synthetic turf play surface.

PLANNING CONSENT

The construction of a padel court whether totally new on a green field site or over an existing tennis court constitutes development and therefore requires formal planning consent to be issued by the relevant Local Authority.

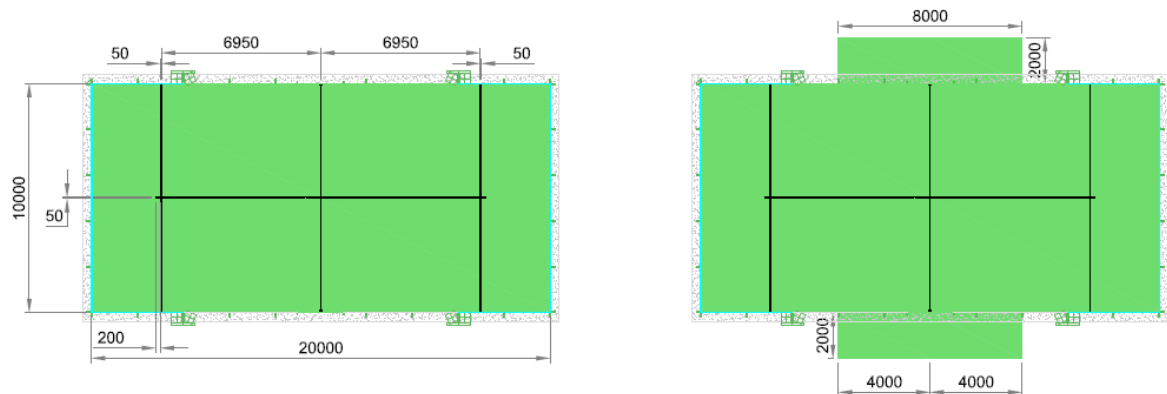
All new glass wall or mesh fencing 3.0m and 4.0m in height requires planning consent together with any proposed floodlighting posts and fittings. The site developer will be responsible for obtaining planning consent and this will be excluded from most contractors' quotations.

Careful consideration of the location of proposed padel courts should be given in relation to the impact of noise on adjacent residential properties.

KEY DIMENSIONS

The padel court internal playing area is 20m x 10m wide and is marked with two service lines and a centre line that crosses over the service line by 10cm as indicated on the right left hand diagram

The out of court area is indicated on the diagram.



The clear unobstructed height above the playing area is a minimum of 6.0m in order to accommodate floodlights attached to the structure, with a recommendation of 8.0m for new build facilities.

For out-of-court play each side of the court must have 2 central access points (one to each side). There may not be any obstacles outside the court within an area of no less than 2 metres wide (3.0m for competition purposes) and 4 metres long on either side of the court and a minimum of 4.0 metres high

SURROUNDING ENCLOSURE AND REBOUND WALLS

All padel courts have the requirement for the inclusion of rebound ends (with fencing above). At the ends of the court a total height of 4.0m metres is required. The first 3.0m, from playing surface level, can comprise any transparent or solid material (glass, bricks, etc.) which does not affect ball bounce, and the upper 1.0m is metal fence (metal weld mesh).

The transition between adjacent mesh and glass internal surfaces should be flush and neither surface should protrude further than the other as irregular ball rebound will result.

In the U.K. most padel court ends comprise toughened glass rebound panels with a weld mesh section over but could comprise other materials such as rendered blockwork for the first 3.0m

There are two variations of padel side walls as identified by the International Padel Federation (IFP) described as Variant 1 and Variant 2. The difference between the two variants are the overall height of the surround fence / rebound walls with all the fencing/ rebound walls to Variant 2 being 4.00m high.



IFP Regulation allows two variations on the lateral/side enclosures:

Variant 1 – The majority court of installation within the UK

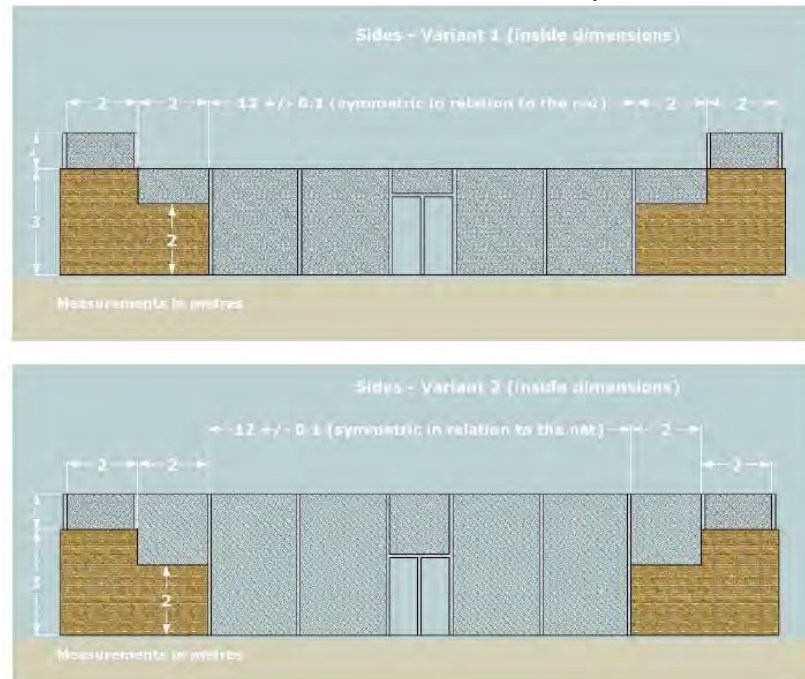
Made up of stepped wall areas at both ends, the first step 3m high x 2m long and the second step 2 m high x 2 m long. Areas of metallic fencing complete the enclosure of up to 3 metres in the centre 16 m and up to 4 metres at both ends. A crystal court variant allows side glass walls to be 3m high for 4m returns.

Variant 2

Is the same as variant 1 but with a 4m overall height.

In the UK the majority of padel courts constructed to date are Variant 1 using a combination of glass rebound and metal weld mesh panels.

The diagram below illustrates the difference between the 2 systems.



Glass rebound panels may comprise either 10mm or 12mm toughened glass. 12mm glass provides a more solid structure and is preferred by players for superior rebound characteristics and should be a minimum specification for UK installations. Glass rebound panels shall incorporate counter sunk fixings to avoid affecting ball bounce and all shall be individually kite marked to the European Standard. Consideration should be given to glass manifestation on the bottom of the court and at a height of between 850mm and 1000mm for health and safety. If further information is required then please refer to Part K of the building regulations.



Glass and weld mesh panels are supported by steel posts or framed steel panels with base plates for fixing to the concrete ring beam.



Toughened (or tempered) glass panels are used as the glass is specially treated so it will break into small blunt pieces under pressure making it much safer than shards of normal glass. The above photograph indicates a 'panoramic' padel court with framed end wall with no intermediate supporting steel posts.

The weld mesh sections of the surround walls should be made up of rhomboids or squares simply twisted or soldered with voids (diagonally measured) no less than 5 cm and no larger than 7.08 cm. Recommended thickness of the steel wire is between 1.6 mm and 3 mm. With a maximum of 4 mm and a tension which allows the ball to bounce off it. The outward facing mesh must be horizontal.

The side elevations will incorporate a central opening for player access on one or both sides, or where the out of court play area (8.00m x 2.00m overall) is to be incorporated for higher levels of play.

Openings for access may be single or double arrangement. Access opening dimensions must be as follows:-

- 1) One lateral access per side the opening must be a minimum of 1.05m x 2.00m and a maximum of 2.00m x 2.20m;
- 2) Two lateral accesses per side the openings must be a minimum of 0.72 x 2.00 m and a maximum of 1.00 x 2.20 m.

Provision shall be made for the incorporation of hinged sections of mesh to permit wide sport wheelchairs or wider opening dimensions.

SUB-BASE CONSTRUCTION & DRAINAGE

In continental Europe padel courts are generally constructed with an insitu concrete slab onto which the synthetic turf surface is laid (as the photograph below indicates). This type of concrete slab constructed is generally non porous and would be generally considered un-suitable for the UK climate where high levels of rainfall can be anticipated on a regular basis leading to reduced utilisation.



As such in the UK padel court sub-base construction should comprise a suitable free draining non frost susceptible aggregate sub-base average 250mm depth with 65mm depth of porous asphalt installed above in two separate layers.

Padel court sub-base construction can be installed with a maximum single or dual plane gradient of 1:100. Alternatively the padel court may be constructed to a level gradient with a suitable fall established to the formation level.

Padel courts may also be constructed with a crowned net line with opposing falls of 1:100 to the end walls. But this would not be envisaged with porous sub-base construction.

An internal surface water drainpipe should be incorporate with an outfall through the perimeter ring beam to the outfall position.

Where constructing a padel court over an existing tennis court, then careful consideration of the existing gradients, surface tolerance of the existing surface and the accurate of position of the new padel court is required. The upper surface of the ring beam should be established at a level above the highest point of the existing surfacing.

As such the installation contractor will have to make any allowance for shuttering of the concrete where higher than the general court area. As such a detailed survey of the existing tennis court and sub-base construction required prior to proceeding with the project.

The finished tolerance of a padel court synthetic surfacing shall be 6mm under a 3metre straight edge.

CONCRETE PERIMETER RING BEAM

The supporting posts and/or framed panels are fixed with base plates and holding down bolts to a perimeter reinforced concrete ring beam. The upper surface of the ring beam will finish at the same level as the underlying court sub-base construction.

Generally installation contractors and manufacturers will propose a rectangular reinforced concrete ring beam of limited dimensions off which to fix the surrounding above ground structure on the basis of reduced cost. Reinforced concrete ring beams of small dimension may be subject to failure at some point in the future due to the overturning force of local wind loads and the alike.



The L.T.A. would recommend that in every instance that the reinforced concrete ring beam is designed by a structural engineer (with a suitable cross section profile) with due consideration of the wind loads for the locality of the site and any other relevant loads (spectators). This design must be backed by the structural engineers' professional indemnity insurance.

The padel court structure should in turn be designed with suitable reinforcing incorporated to exceed the expected wind load calculated in the ring beam design. The structure should be bolted to the foundation using suitable anchors to fix the structure to the foundation in line with the structural engineer's calculations.

If a venue employs a contractor for both design and construction (or where this is implied) then the contractor should also carry their own professional indemnity insurance in relation to the design of the perimeter ring beam.

Courts that are secured to a concrete foundation are considered temporary or event courts. These installations should be avoided over winter months and should be checked regularly for movement. These event style courts are unsuitable for permanent outdoor installation.

Padel court manufacturer's warranties do not usually cover structural failure of the perimeter enclosure only failure of the individual components in terms of wear and corrosion. The LTA would recommend that a 10 year warranty is established for all installations.

Maximum wind loadings applicable to the surrounding enclosure supporting steelwork shall be stated by the padel court manufacturer.

Measures to prevent corrosion should be used to increase the life span of the court. The application of hot dip galvanising of steelwork components can lead to poor aesthetics and warping of mesh panels. So this is not commonly adopted by manufacturers.

In the UK we have much higher corrosion rates than in Continental Europe and in some zones this can be considered severe. Therefore no ungalvanized steel courts should be installed in the UK with pre galvanised steelwork with subsequent zinc electro plating after fabrication or the use non ferrous metal being considered suitable.

In addition further coating using epoxy basecoat or other similar product should be adopted in moderate corrosion areas with hot dip galvanising and basecoat being used in severe areas.

NET

The net must be 10 metres long and 0.88 high at the centre, rising to 0.92 metres at the ends, with a maximum tolerance of 0.005 metres.

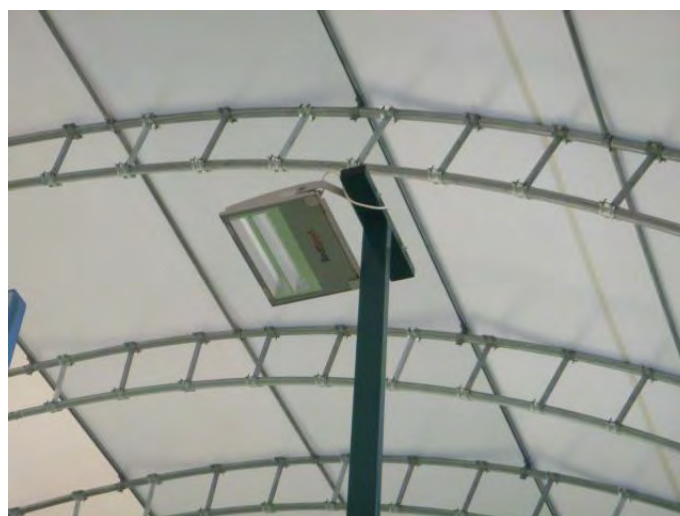
The net is suspended by a metal cable with a maximum diameter of 0.01 metres; the ends are attached to two lateral posts with a maximum height of 1.05 metres. Or a part of the court structure which allows the correct suspension and tension.

SYNTHETIC SURFACING

The padel court playing surface should comprise a single tone sand-dressed synthetic surface (either fibrillating or monofilament tufts) manufactured in accordance UNE 41958 IN. Sports surfaces with and comply with the following performance criteria of the International Padel Federation:-

Impact Absorption (Force reduction)	$RF \geq 20\%$	Artificial grass
Friction	$0,4 \leq \mu \leq 0,8$	Artificial grass
Vertical bounce of the ball	$\geq 80\%$	Artificial grass Synthetic surfaces
Sand refill	$SiO_2 \geq 96\%$ $CaO \leq 3\%$ Rounded edges Granulometry: 80% weight $\varnothing 16\text{ mm}-1.25\text{ mm}$ Visible fibre length 2mm-3mm	Artificial grass

FLOODLIGHTING



Padel courts can be floodlit by two methods.

Method 1 involves the use of integrated or extended fence posts as part of the surrounding fence enclosure with a top bracket to mount either one or two low wattage light fittings. The extended fence posts usually being inset by 4.0m from the back of the court into the side elevations.

Method 2 involves the use of stand alone floodlight columns outside of the padel court enclosure to mount floodlight fittings.

The choice between the two methods depends on the number of padel courts to be lit and the complexities of the site i.e. are there houses in close proximity which may require superior fittings to control lux level spillage and reduce potential glare.

All light fittings are required to be manufactured to British and European standards with the associated CE marking. The padel court may be delivered as a 'package kit' from the manufacturer and therefore all the electrical components shall be detailed with a suitable lighting design prior to placing any order for the works.

All light fittings shall be installed to create a minimum 6m high clear space above the padel court playing area.

Padel court lighting designs will be produced using dedicated software by competent persons (consultants or manufacturers) with relevant experience in this regard. Planning requirements may require schemes to be developed by consultants rather than manufacturers where specific criteria may be stipulated to allow compliance with regulations

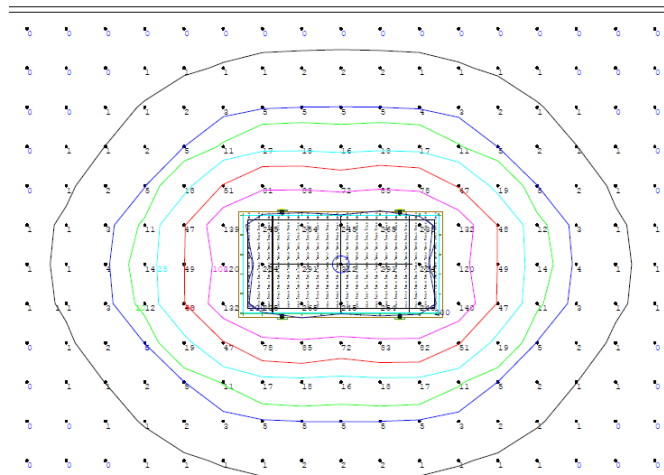
Minimum Lighting performance standards for padel courts are defined as follows:-

Outdoor courts: -	Minimum illumination at ground level (Z=0)
National and International Competition	500 lux (E av) with 0.7 uniformity
Regional competition, school & recreational use Indoor courts	300 lux (E av) with 0.5 uniformity
Indoor courts: -	Minimum Performance at ground level (Z=0)
National and International competition	500 lux (E av) with 0.7 uniformity
Regional competition, school & recreational use Indoor courts	300 lux (E av) with 0.5 uniformity

In the UK with outdoor tennis courts being usually lit to a standard higher than the minimum stated above then Clubs should undertake playing testing of floodlit padel courts to establish suitability for their scheme or may wish to adopt a higher standard.

While the minimum levels are stated above a 10% over performance should be taken into consideration when undertaking the initial design i.e. (0.9 maintenance factor).

Lighting designs shall use a sufficiently small calculation grid spacing (i.e. 1.0m x 1.0m as indicated below or lesser dimension) over the playing area centred on the net line position of the court which will remove the potential for any 'dark or over lit' patchy areas to be within the overall playing area.



This is particularly important with low cost low wattage LED fittings which are commonly employed with a symmetrical (rather than asymmetric) optical distribution for lighting general areas and are not sport specific products. Lighting designs provided by manufacturers should fully reveal the tilt angles of the fittings in order to provide key information to Client concerning potential glare issues to adjacent property owners.

As play occurs off the ends and side walls then additional vertical calculations can be also be requested and provided where considered essential by Clients.

If there is a future requirement for an outdoor court to be potentially covered at some stage in the future then the indoor minimum standard should be adopted in the first instance or provision made within the switchgear, ducting and cabling arrangement for the future upgrade.

Where padel courts are to be incorporated into existing floodlit areas then consideration should be made to maximise the existing provision in relation to the current positions of any floodlight columns, fittings and any potential conflict with underground service cabling.

COVERED FACILITIES



A range of structures are available which comprise steel portal frames sitting outside the fence / rebound wall elevations of the padel enclosure with single or double skin membrane with or without full or partial drop down walls.

Solid poly carbonate roof covering canopies are also available which offer the potential for natural light to pass onto the padel court. All steel supporting components for canopies in the UK should be hot dip galvanised for maximum longevity.

All canopies for installation in the UK should be hot dip galvanised for maximum product longevity and be designed by a structural engineer in order to permit submission to Building Control.

Consideration of the overall minimum height is necessary together with the positions of all the supporting columns so as not interfere with play or the out of court area where incorporated.

Canopy roof and wall membranes should have a minimum design life of 15 years.



KEY PROJECT CHECKLIST

Key considerations before proceeding with a padel court project:-

1. Location for proposed padel court considered appropriate in relation to noise and disturbance to neighbours;
2. Position of padel court and surrounds suitable for player access (including wheelchair users) and maintenance ;
3. Out of court play area considered – to be adopted or not ;
4. Future or current requirement for padel court to be covered ;
5. Planning consent for the proposed scheme applied for and granted ;
6. Padel Court Variant to be adopted and height of glass to side walls (All 3m high or two panels one 3m high and one 2m high with stepped down arrangement) ;
7. All metalwork components to be suitable protected against corrosion and warranted as such ;
8. Ring Beam designed by structural engineer for the locality with PI insurance ;
9. 12mm kitemark glass to be installed ;
10. Access arrangement for the court (size one side or both sides) ;
11. Lighting design to confirm minimum performance criteria of 300 lux with 0.7 uniformity and 0.9 maintenance factor. Minimum mounting height 6m.
12. Court Surface – Monofilament
13. Confirmation of the source of supply of the padel court i.e. fabricator / manufacturer to be established with certificate of origin to be supplied on completion of installation.