



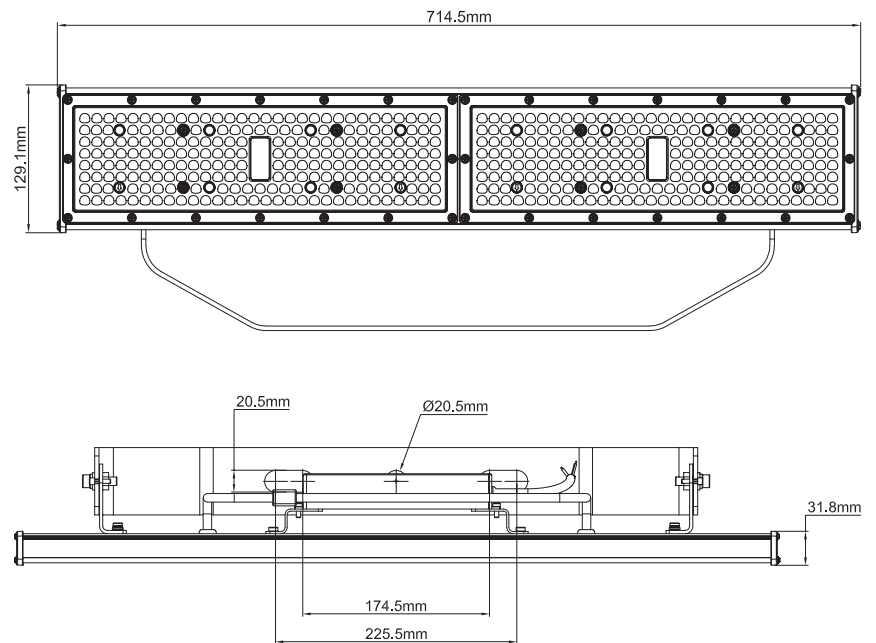
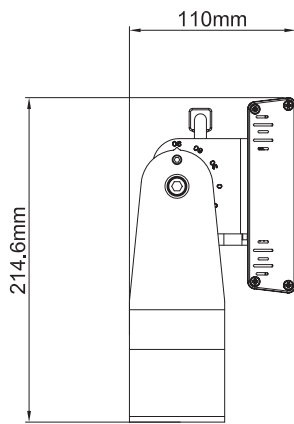
# Delta Padel Court Light (SQ)

240W

**Applications:** Industrial and Commercial Applications.

Product Performance	
<b>Wattage</b>	240W
<b>Colour Temperature &amp; Stock Code</b>	5700K <b>HB1045</b>
<b>Operating Temperature</b>	-30~45°C
<b>Life Span/ LB Rating</b>	L80B10@50000hr
<b>IP Rating</b>	IP65
<b>LED Driver Brand</b>	High Spec Flicker Free LiFud LED Driver
<b>Beam Angle</b>	90°
<b>Impact Protection Grade</b>	IK09
<b>Input Voltage</b>	AC100-277V
<b>Surge Protection</b>	6kV
<b>Power Factor</b>	0.9
<b>CRI</b>	>80
<b>Lumen Output</b>	240W - 40 800lm
<b>Lumen Efficiency</b>	170lm/W
<b>LED Chips</b>	Lumileds 3030
<b>LED Chips Qty</b>	468
<b>Dimmable</b>	No
<b>UGR</b>	-
Physical Characteristics	
<b>Weight (g)</b>	3200
<b>Housing Material</b>	Pure Aluminium Housing
<b>Product Dimensions (mm)</b>	792.4*129.1mm
<b>Cable Length</b>	0.3 meter
<b>Mounting Option</b>	Bracket
<b>Bracket Material</b>	Iron
<b>Bolts and Screws</b>	Stainless Steel

## Dimension Drawing



## Technical Parameters

**Input Current** 0.97A@230V AC

**Output Voltage** 180-260V

**Flicker Free (Y/N)** Yes

**Humidity** 10-90%

**Frequency** 50-60hz

**In Rush Current** 100A

**Output Current** 0.75-1.1A

**THD** <15%

**TA & TC** 75

**IES (Yes or No)** Yes

## Regulatory Qualifications

**Class Rating** Class I

**Energy Efficiency** A

**Certification** CE, EMC, IEC60598

## Accessories

**Optional accessories** Mounting Bracket included

## Packaging info

**Storage Temp** -20~+90°C

**Carton Size (mm)** 765\*180\*130

**QTY/CTN** 1

**Net Weight** 3,2

**Gross Weight** 4

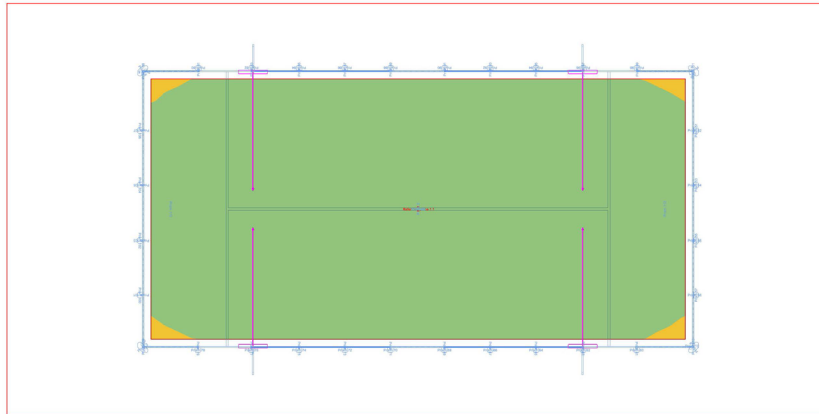
Object : Padel Court  
 Installation : 4 Light Setup, 350 lux ave  
 Project number :  
 Date : 20.03.2025

# 4 LIGHTS 350 Lux

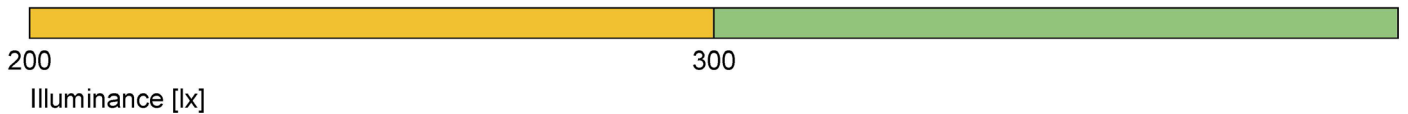
## 2 Exterior 1

### 2.2 Summary, Exterior 1

#### 2.2.1 Result overview, Measuring area 1



0.0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 30.0 x [m]



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	5.96 m
Maintenance factor	0.80

Total luminous flux	172652 lm
Total power	966.4 W
Total power per area (450.00 m <sup>2</sup> )	2.15 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	384 lx
Minimum illuminance	$E_{min}$	298 lx
Maximum illuminance	$E_{max}$	491 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:1.29 (0.77)
Diversity $U_d$	$E_{min}/E_{max}$	1:1.65 (0.61)

#### RG Table

1.07 cd/m<sup>2</sup>, 481 lx,  $\rho = 0\%$  (-2°)  
 RG<sub>max</sub> 35.7 (h=1.60m)

#### Type No.\Make

3	4 x	Order No.	:
		Luminaire name	:
		Equipment	: 1 x 241.6 W / 43163 lm

Object : Padel Court  
 Installation : 4 Light Setup, 350 lux ave  
 Project number :  
 Date : 20.03.2025

## 4 LIGHTS 350 Lux

### 2 Exterior 1

#### 2.3 Calculation results, Exterior 1

##### 2.3.1 Table, Measuring area 1 (E)

[m]	(298)	318	329	333	335	336	339	344	342	335	334	341	346	344	341	338	332	326	315	(298)
9	333	343	352	354	356	359	366	385	383	377	376	384	389	373	367	360	353	347	337	331
8	379	361	367	362	366	377	395	428	429	413	414	433	435	403	384	369	361	362	355	374
7	401	390	376	371	374	393	438	453	463	476	477	463	459	444	398	376	371	373	385	397
6	413	422	376	374	378	400	464	472	482	[491]	[491]	483	474	466	401	379	374	375	420	411
5	411	420	375	374	379	402	466	474	483	[491]	[491]	482	472	464	399	378	374	376	422	412
4	398	385	373	371	376	398	444	459	466	477	476	460	453	437	393	374	371	376	390	401
3	374	355	362	361	369	384	403	435	433	414	413	429	428	395	377	366	362	367	361	378
2	331	338	347	353	360	367	373	389	384	376	377	383	385	366	359	356	354	352	343	333
1	(298)	316	326	332	338	341	344	346	341	334	335	342	344	339	336	335	333	328	318	(298)
		2		4		6		8		10		12		14		16		18		[m]
	Illuminance [lx]																			



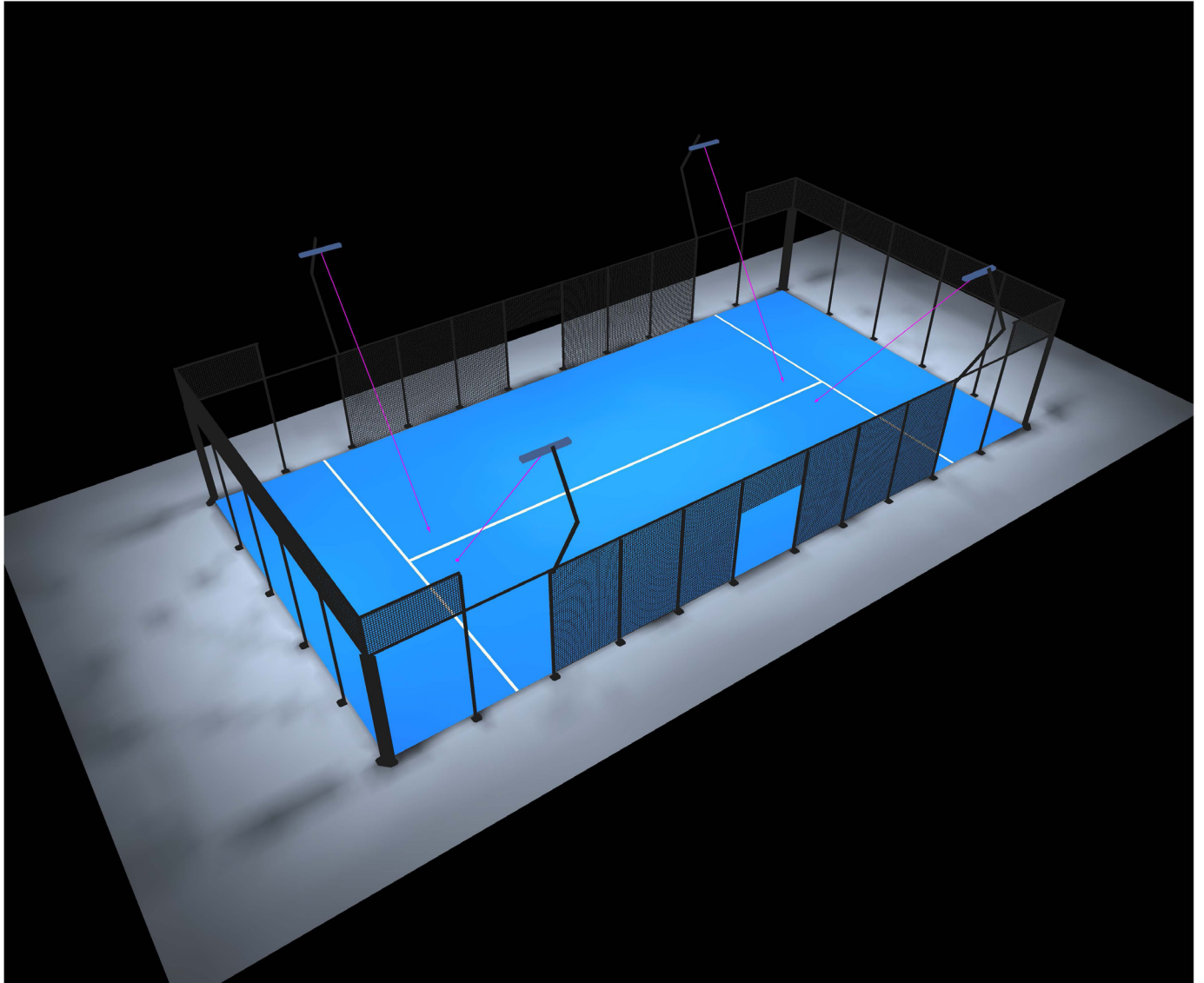
Height reference plane		: 0.01 m
Average illuminance	$\bar{E}_m$	: 384 lx
Minimum illuminance	$E_{min}$	: 298 lx
Maximum illuminance	$E_{max}$	: 491 lx
Uniformity $U_0$	$E_{min}/\bar{E}_m$	: 1 : 1.29 (0.77)
Diversity $U_d$	$E_{min}/E_{max}$	: 1 : 1.65 (0.61)

Object : Padel Court  
Installation : 4 Light Setup, 350 lux ave  
Project number :  
Date : 20.03.2025

**4 LIGHTS**  
**350 Lux**

## 2.3 Calculation results, Exterior 1

### 2.3.3 3D luminance, View 1



Luminance in the scene  
Minimum: : 0 cd/m<sup>2</sup>  
Maximum: : 150 cd/m<sup>2</sup>  
Without consideration of the luminaire geometry

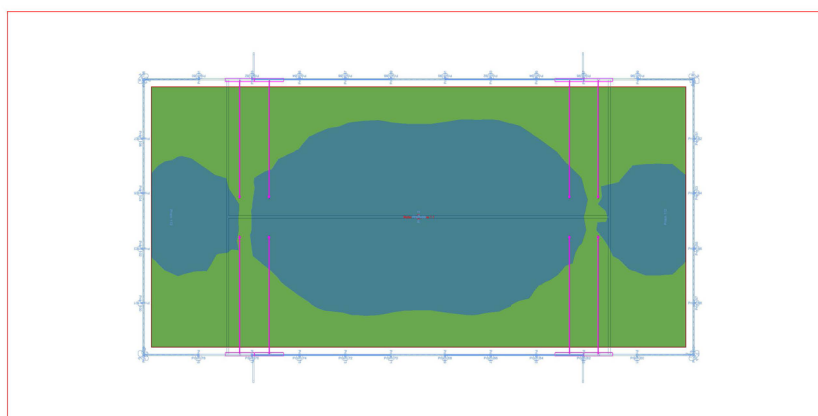
Object : Padel Court  
 Installation : 8 Light Setup, 750 lux ave  
 Project number :  
 Date : 20.03.2025

# 8 LIGHTS 750 Lux

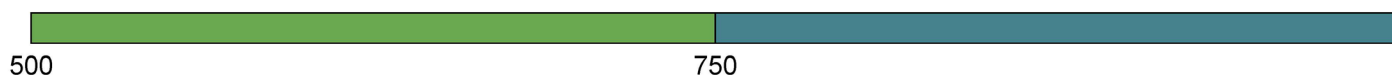
## 2 Exterior 1

### 2.2 Summary, Exterior 1

#### 2.2.1 Result overview, Measuring area 1



0.0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 30.0 x [m]



Illuminance [lx]

#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	5.96 m
Maintenance factor	0.80

Total luminous flux	345304 lm
Total power	1932.8 W
Total power per area (450.00 m <sup>2</sup> )	4.30 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	768 lx
Minimum illuminance	$E_{min}$	591 lx
Maximum illuminance	$E_{max}$	982 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:1.3 (0.77)
Diversity $U_d$	$E_{min}/E_{max}$	1:1.66 (0.6)

#### RG Table

2.14 cd/m<sup>2</sup>, 960 lx,  $\rho = 0\%$  (-2°)  
 RG<sub>max</sub> 36.1 (h=1.60m)

#### Type No. Make

3	8 x	Order No.	:
		Luminaire name	:
		Equipment	: 1 x 241.6 W / 43163 lm

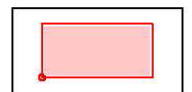
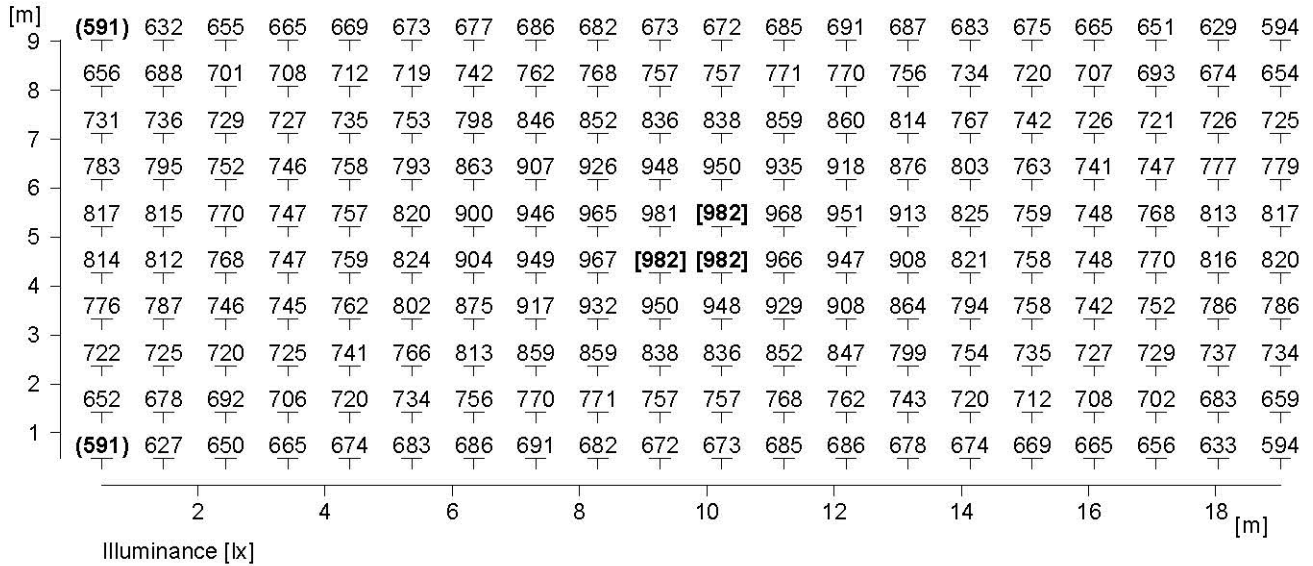
Object : Padel Court  
 Installation : 8 Light Setup, 750 lux ave  
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 Date : 20.03.2025

# 8 LIGHTS 750 Lux

## 2 Exterior 1

### 2.3 Calculation results, Exterior 1

#### 2.3.1 Table, Measuring area 1 (E)



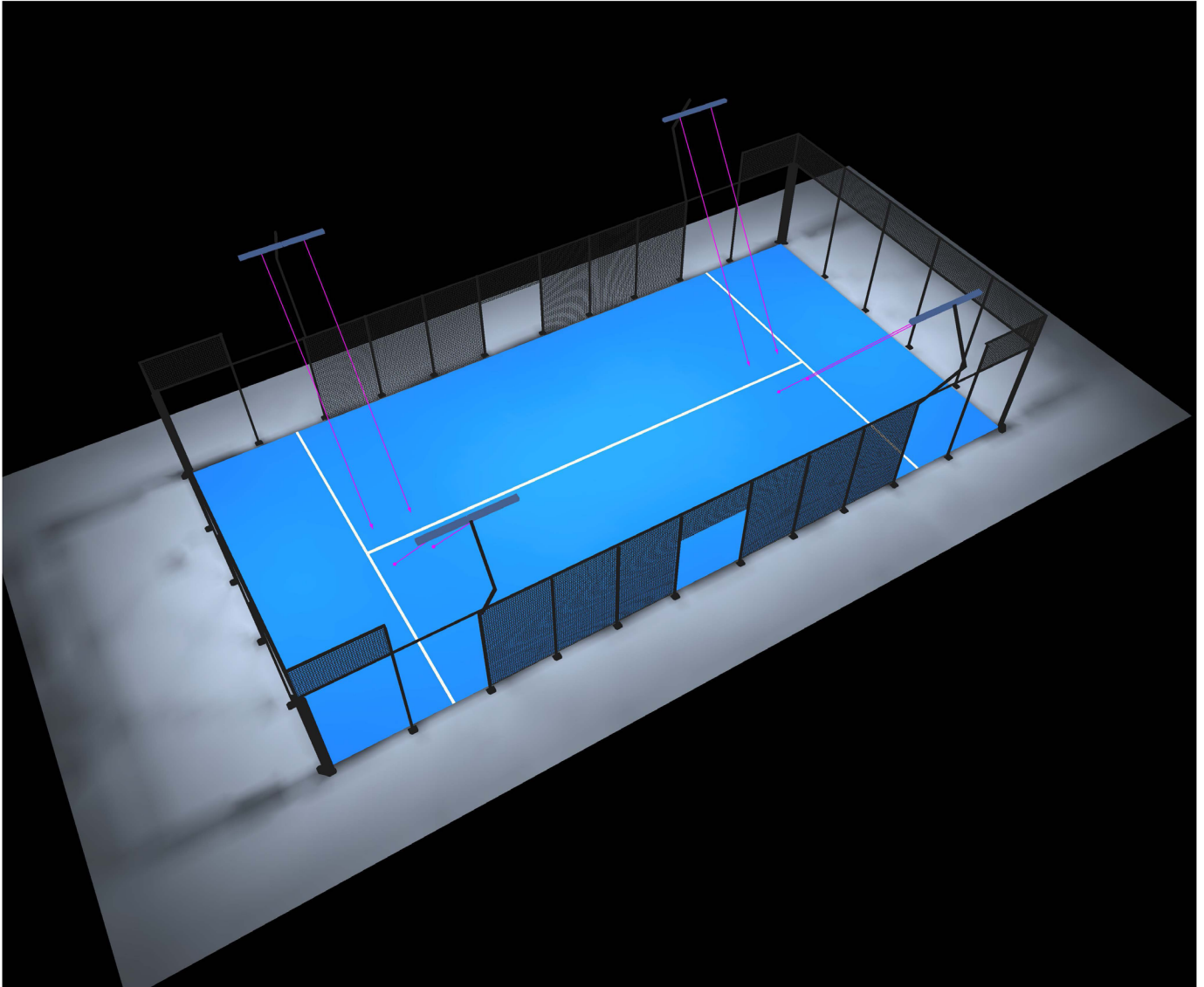
Height reference plane	:	0.01 m
Average illuminance	$\bar{E}_m$	: 768 lx
Minimum illuminance	$E_{min}$	: 591 lx
Maximum illuminance	$E_{max}$	: 982 lx
Uniformity $U_0$	$E_{min}/\bar{E}_m$	: 1 : 1.30 (0.77)
Diversity $U_d$	$E_{min}/E_{max}$	: 1 : 1.66 (0.60)

Object : Padel Court  
Installation : 8 Light Setup, 750 lux ave  
Project number :  
Date : 20.03.2025

**8 LIGHTS**  
**750 Lux**

## 2.3 Calculation results, Exterior 1

### 2.3.3 3D luminance, View 1



Luminance in the scene  
Minimum: : 0 cd/m<sup>2</sup>  
Maximum: : 299 cd/m<sup>2</sup>  
Without consideration of the luminaire geometry