

Padel Court Light

240W

Applications: Industrial and Commercial Applications.

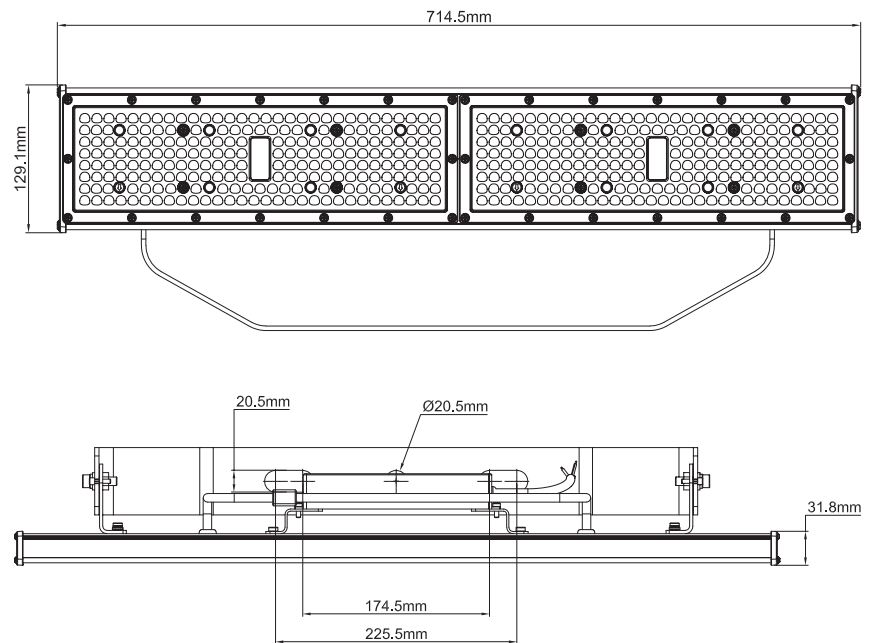
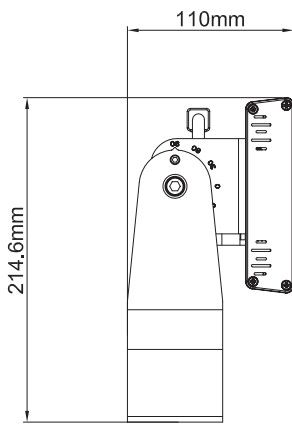
Product Performance

Wattage	240W
Colour Temperature & Stock Code	5700K
Operating Temperature	-30~45°C
Life Span/ LB Rating	L80B10@50000hr
IP Rating	IP65
LED Driver Brand	High Spec Flicker Free LiFud LED Driver
Beam Angle	90°
Impact Protection Grade	IK09
Input Voltage	AC100-277V
Surge Protection	6kV
Power Factor	0.9
CRI	>80
Lumen Output	240W - 40 800lm
Lumen Efficiency	170lm/W
LED Chips	Philips 3030
LED Chips Qty	468
Dimmable	No
UGR	-

Physical Characteristics

Weight (g)	3200
Housing Material	Pure Aluminium Housing
Product Dimensions (mm)	792.4*129.1mm
Cable Length	0.3 meter
Mounting Option	Bracket
Bracket Material	Iron
Bolts and Screws	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

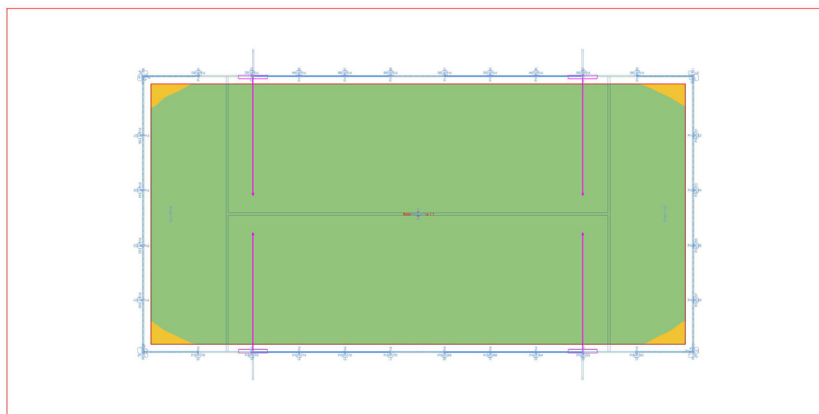
Object : Padel Court
 Installation : 4 Light Setup, 350 lux ave
 Project number :
 Date : 20.03.2025

4 LIGHTS 350 Lux

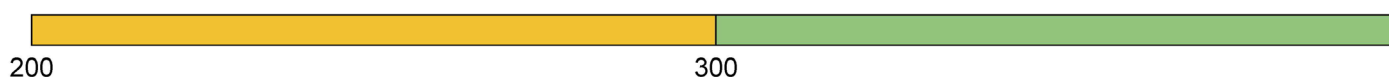
2 Exterior 1

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]



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	172652 lm
Total power	966.4 W
Total power per area (450.00 m ²)	2.15 W/m ²

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/m², 481 lx, $\rho = 0\%$ (-2°)
 RG_{max} 35.7 (h=1.60m)

Type No.\Make

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

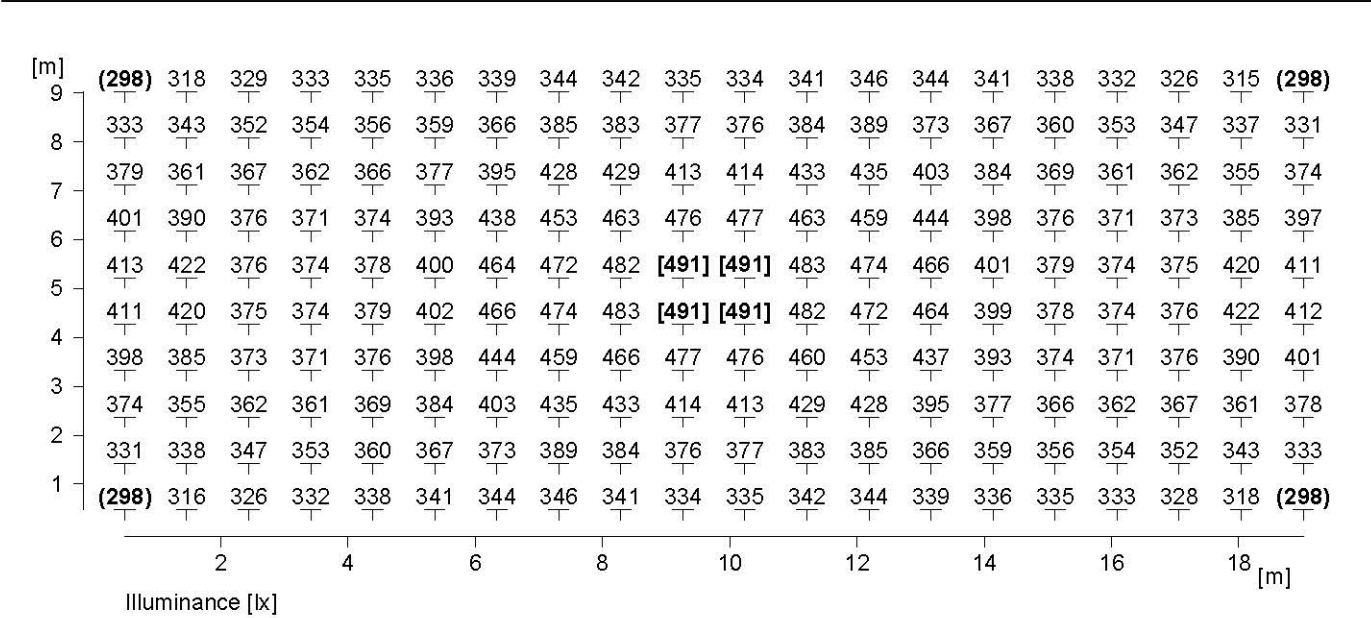
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4 LIGHTS
350 Lux

2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, Measuring area 1 (E)



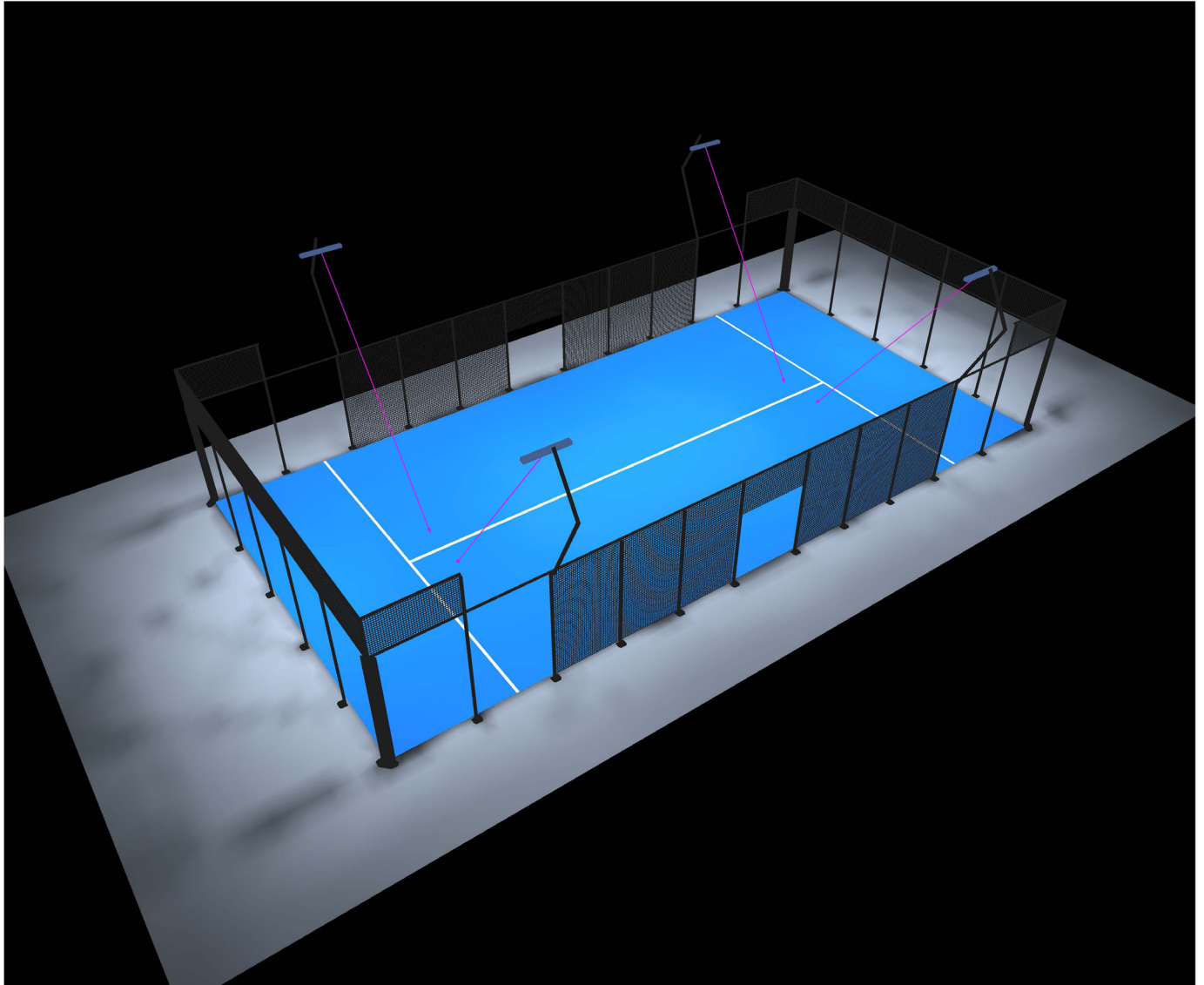
Height reference plane : 0.01 m
Average illuminance $\bar{E}_m$: 384 lx
Minimum illuminance E_{min} : 298 lx
Maximum illuminance E_{max} : 491 lx
Uniformity U_0 $E_{min}/\bar{E}_m$: 1 : 1.29 (0.77)
Diversity U_d E_{min}/E_{max} : 1 : 1.65 (0.61)

Object : Padel Court
Installation : 4 Light Setup, 350 lux ave
Project number :
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4 LIGHTS 350 Lux

2.3 Calculation results, Exterior 1

2.3.3 3D luminance, View 1



Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 150 cd/m²
Without consideration of the luminaire geometry

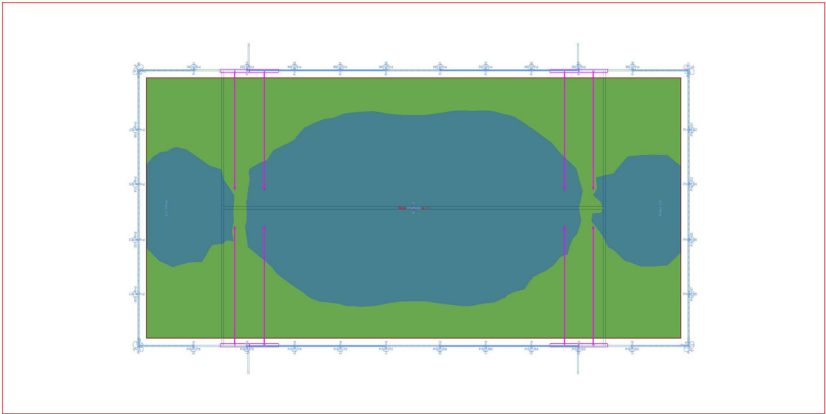
Object : Padel Court
Installation : 8 Light Setup, 750 lux ave
Project number :
Date : 20.03.2025

8 LIGHTS
750 Lux

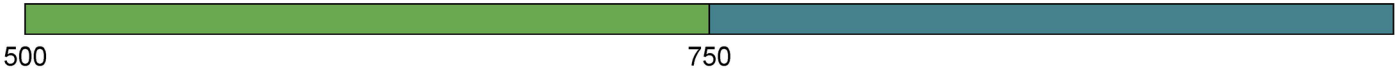
2 Exterior 1

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 m²)	4.30 W/m²

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/m², 960 lx, $\rho = 0\%$ (-2°)
RG,max 36.1 (h=1.60m)

Type No. \Make

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

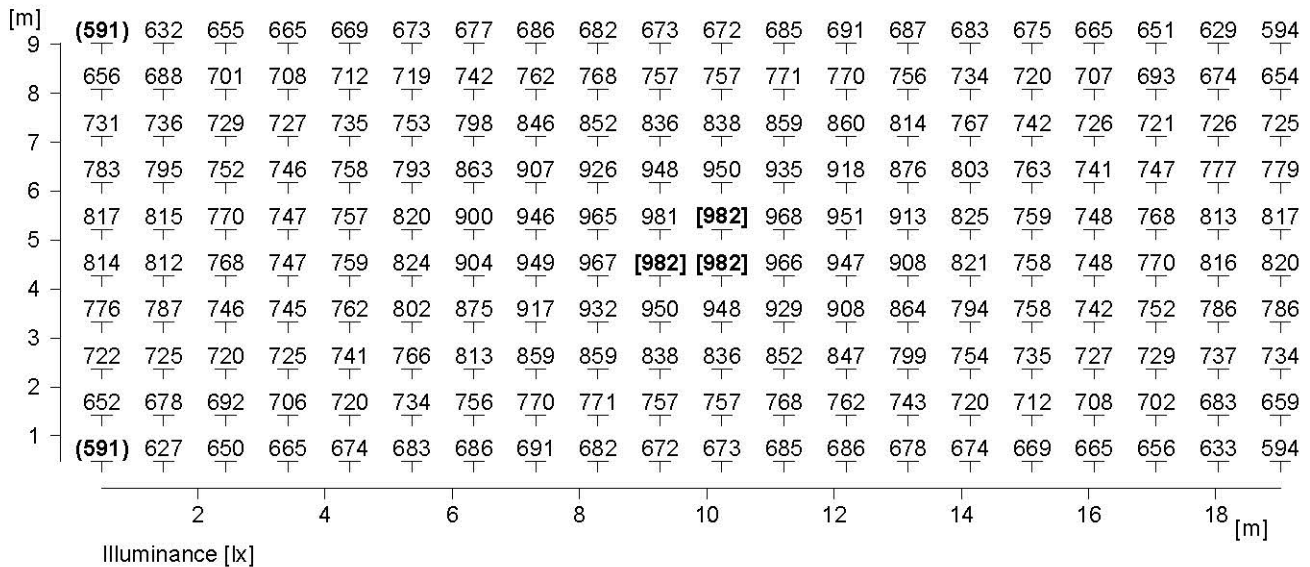
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 Project number :
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8 LIGHTS 750 Lux

2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, Measuring area 1 (E)



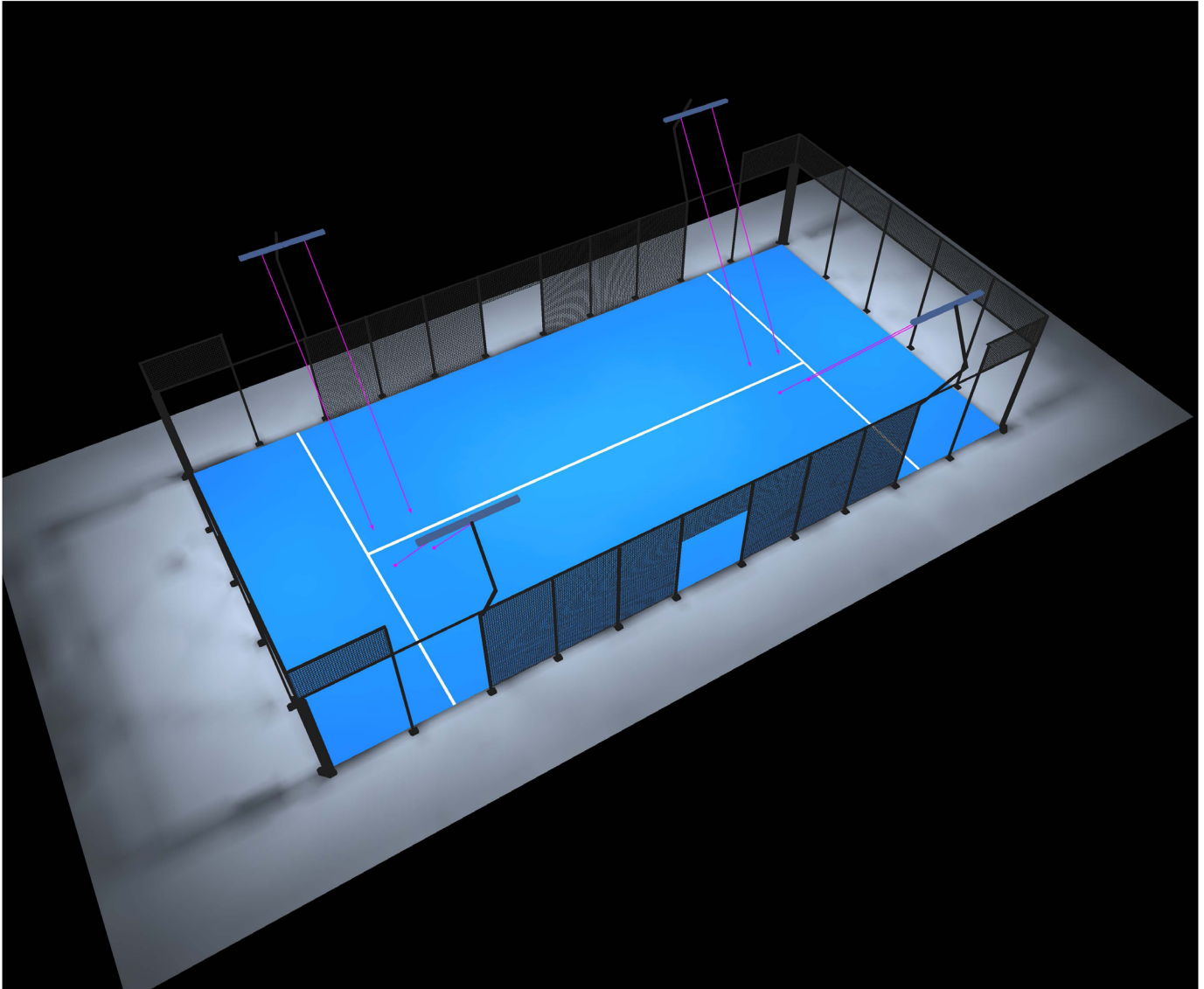
Height reference plane	: 0.01 m
Average illuminance	$\bar{E}_m$: 768 lx
Minimum illuminance	E_{min} : 591 lx
Maximum illuminance	E_{max} : 982 lx
Uniformity U_0	$E_{min}/\bar{E}_m$: 1 : 1.30 (0.77)
Diversity U_d	E_{min}/E_{max} : 1 : 1.66 (0.60)

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/m²
Maximum: : 299 cd/m²
Without consideration of the luminaire geometry