



Delta Padel Court Light (SQ)

240W

Applications: Industrial and Commercial Applications.

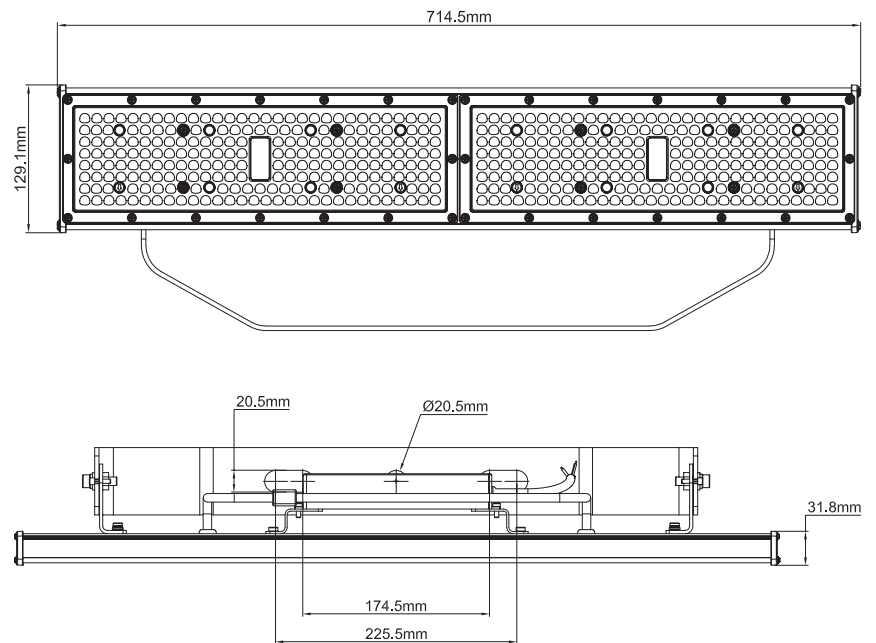
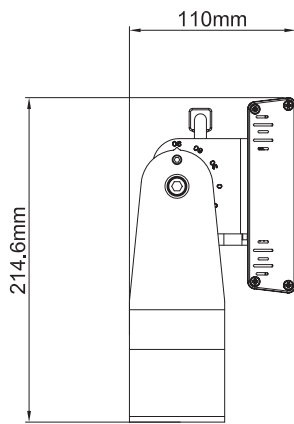
Product Performance

| | |
|--|---|
| Wattage | 240W |
| Colour Temperature & Stock Code | 5700K HBL045 |
| 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 | Lumileds 3030 |
| LED Chips Qty | 468 |
| Dimmable | Yes |
| 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

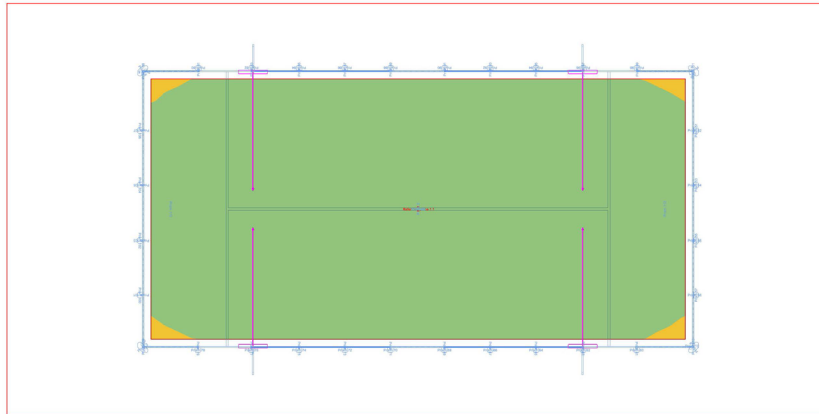
Object : Padel Court
 Installation : 4 Light Setup, 350 lux ave
 Project number :
 Date : 20.03.2025

4 LIGHTS 350 Lux

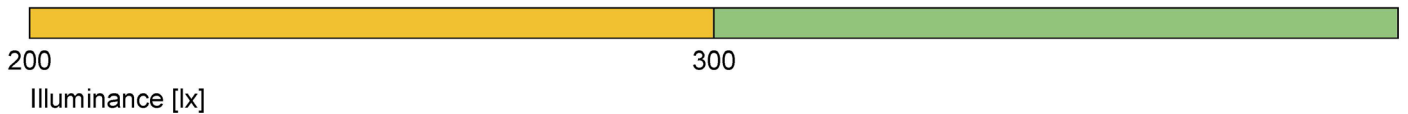
2 Exterior 1

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]



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)

| | | | | | | | | | | | | | | | | | | | | |
|-----|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| [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] | | | | | | | | | | | | | | | | | | | |



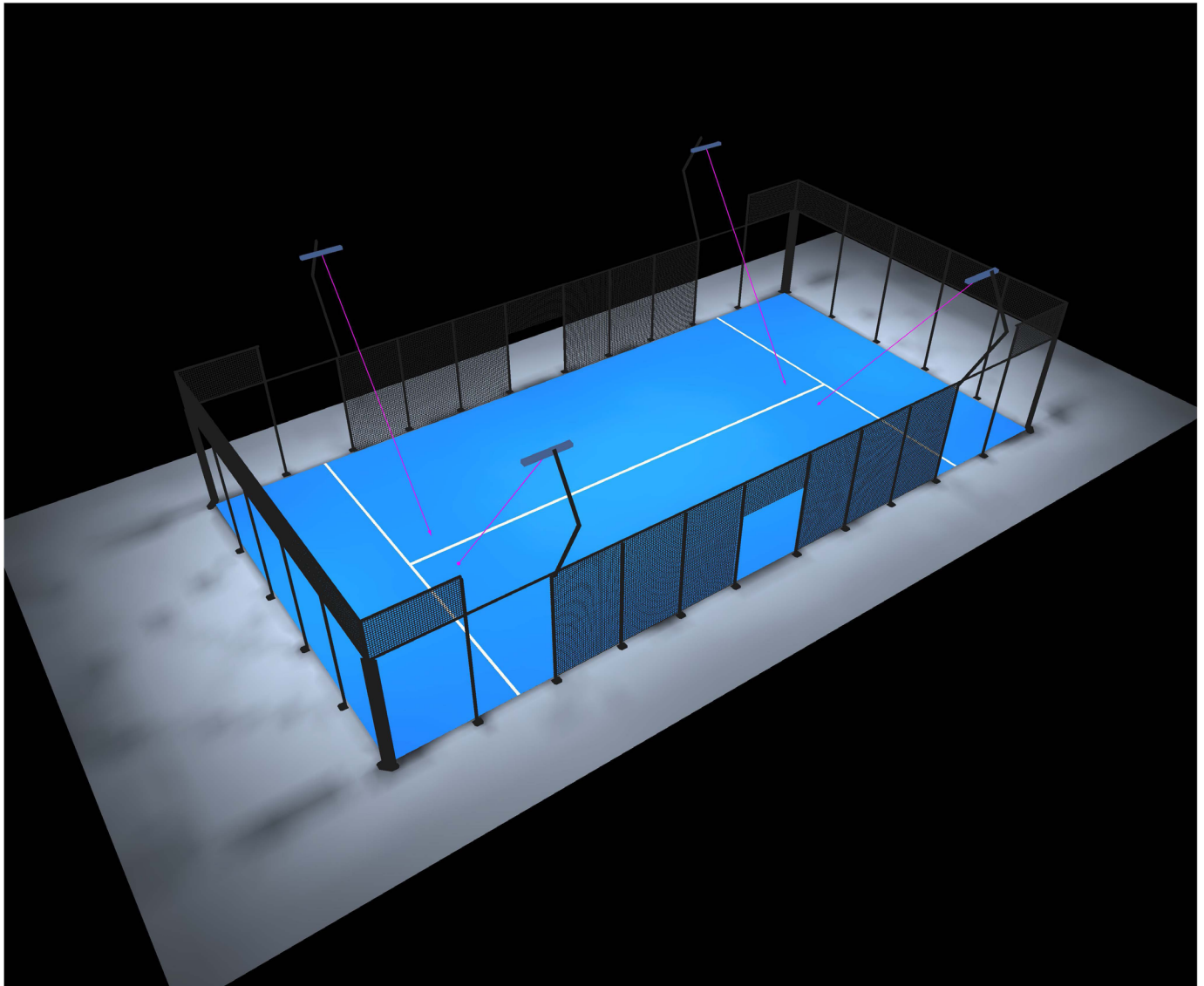
| | | |
|------------------------|---------------------|-------------------|
| Height reference plane | | : 0.01 m |
| Average illuminance | \bar{E}_m | : 384 lx |
| Minimum illuminance | E_{min} | : 298 lx |
| Maximum illuminance | E_{max} | : 491 lx |
| Uniformity U_0 | E_{min}/\bar{E}_m | : 1 : 1.29 (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 :
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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

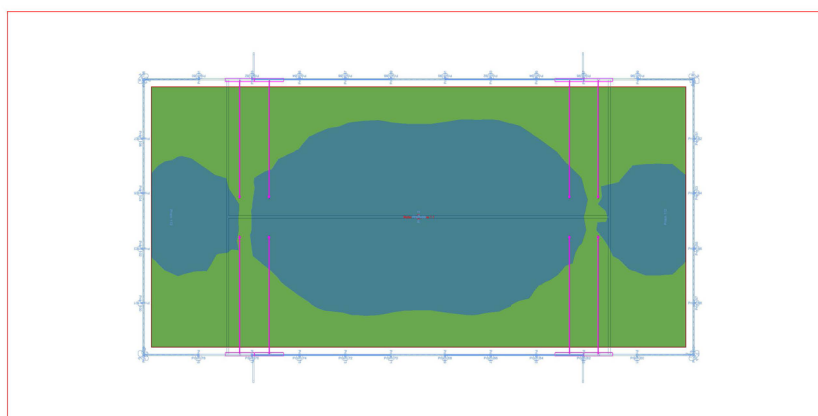
Object : Padel Court
 Installation : 8 Light Setup, 750 lux ave
 Project number :
 Date : 20.03.2025

8 LIGHTS 750 Lux

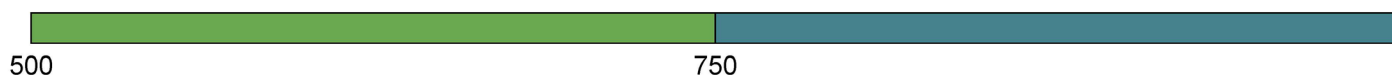
2 Exterior 1

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]



500
Illuminance [lx]

750

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 ²) | 4.30 W/m ² |

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 |

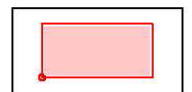
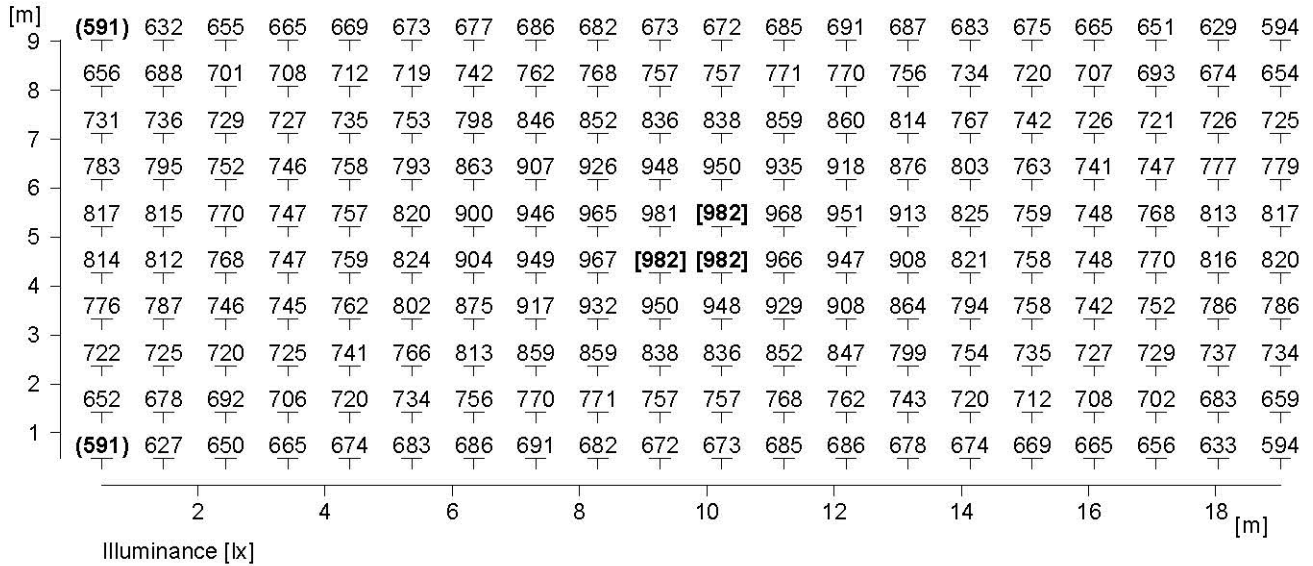
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8 LIGHTS 750 Lux

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2.3 Calculation results, Exterior 1

2.3.1 Table, Measuring area 1 (E)



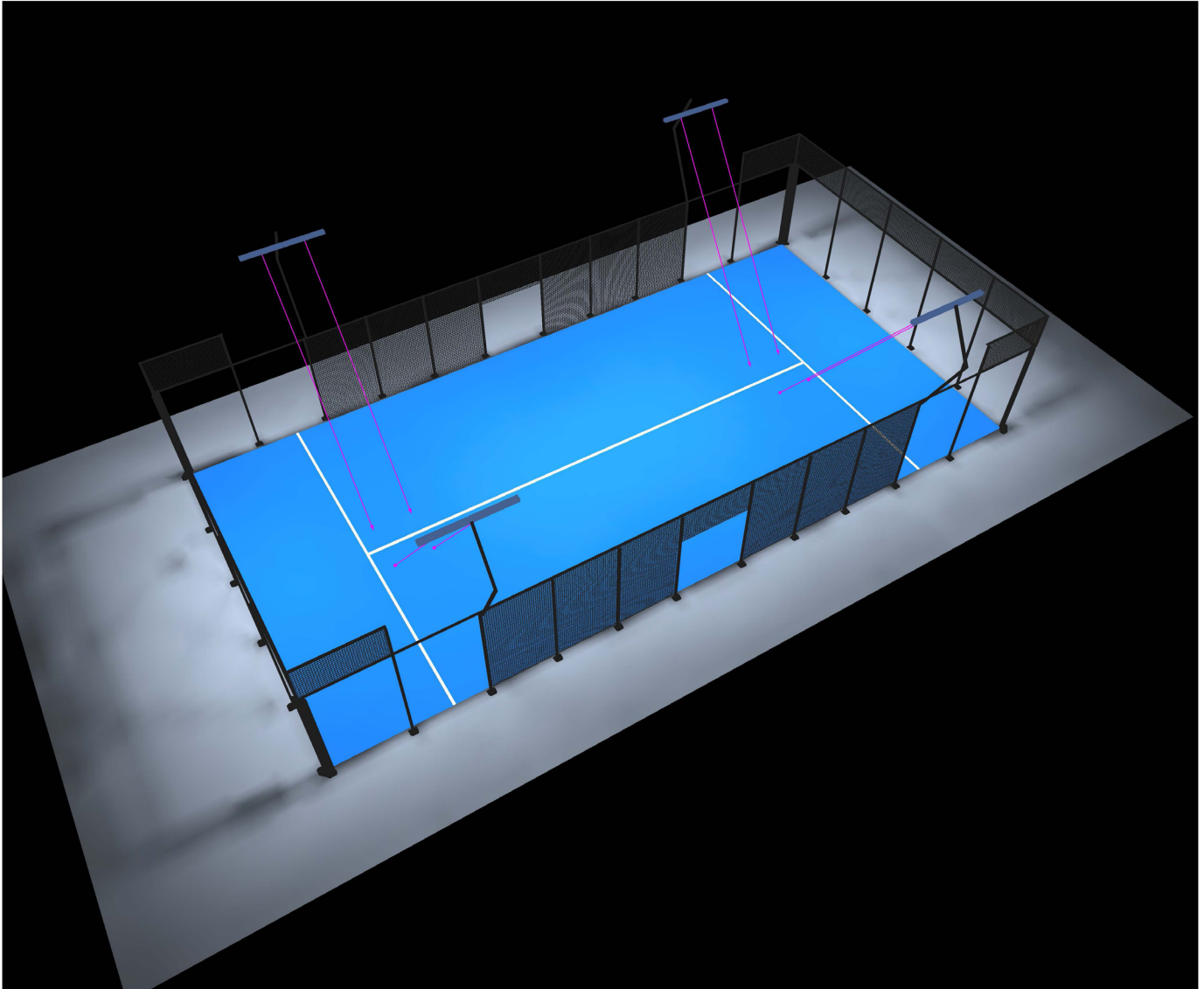
| | | |
|------------------------|---------------------|-------------------|
| Height reference plane | | : 0.01 m |
| Average illuminance | \bar{E}_m | : 768 lx |
| Minimum illuminance | E_{min} | : 591 lx |
| Maximum illuminance | E_{max} | : 982 lx |
| Uniformity U_0 | E_{min}/\bar{E}_m | : 1 : 1.30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

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Installation : 8 Light Setup, 750 lux ave
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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