

Glynneath RFC 200lux

1st Team Pitch 200lux

200lux average with a uniformity of 0.74 min/max 0.53

Site Location :-

Glynneath RFC
Abernant Park, Abernant House,
Heol-Y-Glyn,
Glynneath,
Neath,
SA11 5BB.

Partner for Contact:

Order No.:

Company:

Customer No.:

Date: 16.09.2025

Operator: Michael Butterill



Direct Sports Lighting

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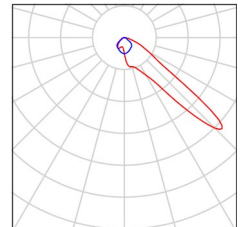
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Glynneath RFC 200lux / Luminaire parts list

16 Pieces SP04-960-5770-F04001X
Article No.:
Luminous flux (Luminaire): 129674 lm
Luminous flux (Lamps): 129670 lm
Luminaire Wattage: 962.6 W
Luminaire classification according to CIE: 100
CIE flux code: 45 91 99 100 100
Fitting: 1 x / (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.





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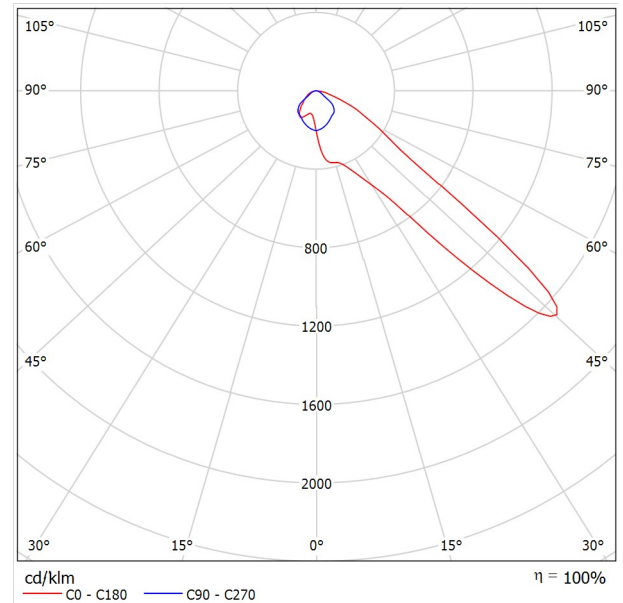
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SP04-960-5770-F04001X / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100
CIE flux code: 45 91 99 100 100

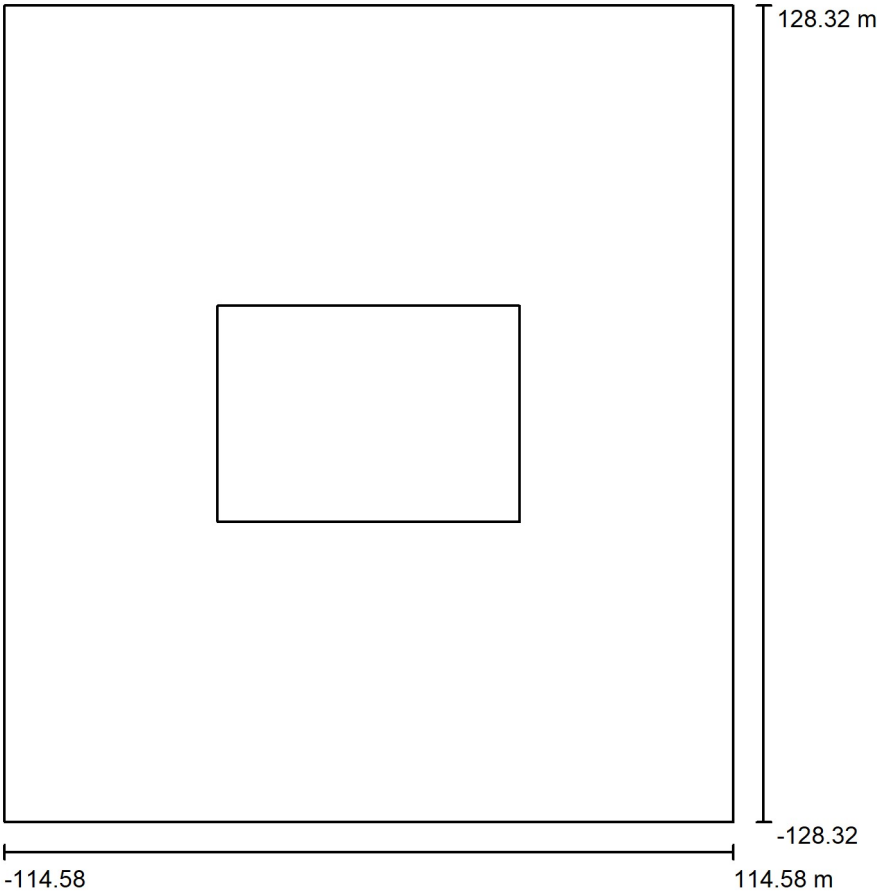
Due to missing symmetry properties, no UGR table can be displayed for this luminaire.



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Exterior Scene 1 / Planning data



Light loss factor: 0.95, ULR (Upward Light Ratio): 1.0%

Scale 1:2379

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	16	SP04-960-5770-F04001X (1.000)	129674	129670	962.6
Total:			2074778	Total: 2074720	15401.4

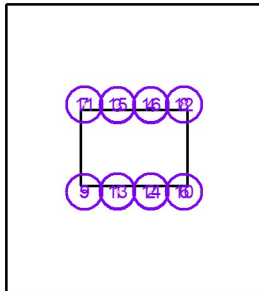


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e-Mail sales@directsportslighting.co.uk**Exterior Scene 1 / Luminaires (coordinates list)****SP04-960-5770-F04001X**

129674 lm, 962.6 W, 1 x 1 x / (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	-14.937	-38.428	15.000	0.0	-19.6	110.0
2	14.937	-38.428	15.000	0.0	-19.6	70.0
3	-14.937	38.428	15.000	0.0	-19.6	-110.0
4	14.937	38.428	15.000	0.0	-19.6	-70.0
5	-44.700	-38.900	15.000	0.0	-19.3	68.0
6	44.700	-38.900	15.000	0.0	-19.3	112.0
7	-44.700	38.900	15.000	0.0	-19.3	-68.0
8	44.700	38.900	15.000	0.0	-19.3	-112.0
9	-44.407	-38.912	15.000	0.0	-19.5	89.7
10	44.407	-38.912	15.000	0.0	-19.5	90.3
11	-44.407	38.912	15.000	0.0	-19.5	-89.7
12	44.407	38.912	15.000	0.0	-19.5	-90.3
13	-14.904	-38.732	15.000	0.0	-20.3	67.8
14	14.904	-38.732	15.000	0.0	-20.3	112.2
15	-14.904	38.732	15.000	0.0	-20.3	-67.8
16	14.904	38.732	15.000	0.0	-20.3	-112.2

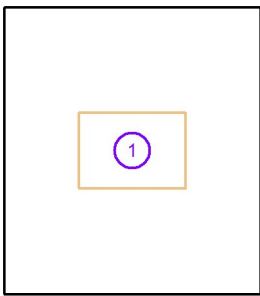


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Exterior Scene 1 / Sport Sites (Coordinates List)

General Sport Area



No.	Position [m]			Size Playing Area [m]		Size Total Area [m]		Rotation [°]		
	X	Y	Z	L	W	L	W	X	Y	Z
1	0.000	0.000	0.000	95.000	68.000	103.000	78.000	0.0	0.0	0.0



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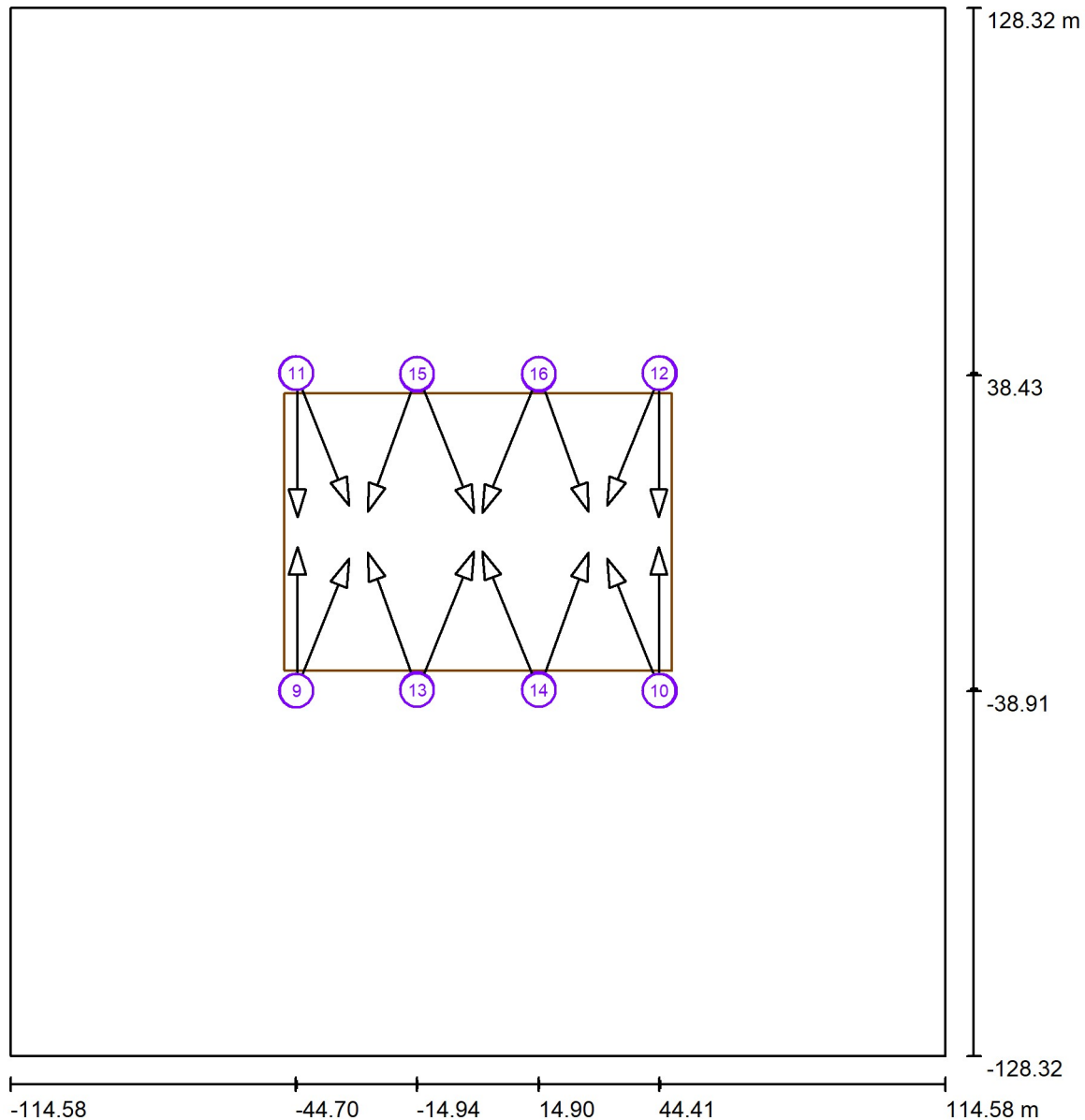
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Exterior Scene 1 / Sport Luminaires (Coordinates List)



Scale 1 : 1736

List of the Sport Luminaires

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
SP04-960-5770-F04001X	1	-14.937	-38.428	15.000	-27.095	-5.000	0.000	22.9	(C 0, G IMax)	/
SP04-960-5770-F04001X	2	14.937	-38.428	15.000	27.095	-5.000	0.000	22.9	(C 0, G IMax)	/
SP04-960-5770-F04001X	3	-14.937	38.428	15.000	-27.095	5.000	0.000	22.9	(C 0, G IMax)	/
SP04-960-5770-F04001X	4	14.937	38.428	15.000	27.095	5.000	0.000	22.9	(C 0, G IMax)	/



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Exterior Scene 1 / Sport Luminares (Coordinates List)

List of the Sport Luminares

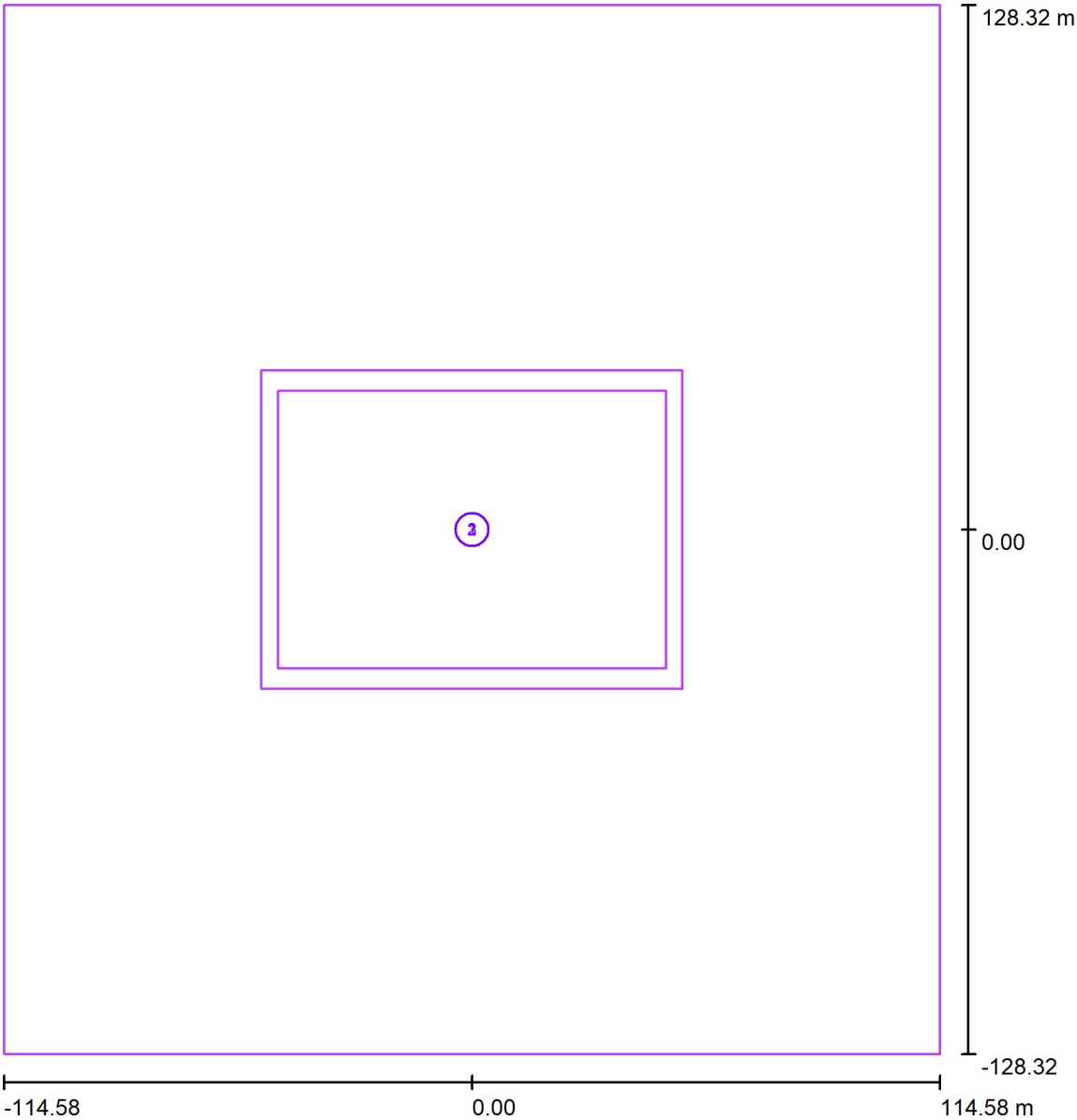
Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
SP04-960-5770-F04001X	5	-44.700	-38.900	15.000	-31.600	-6.500	0.000	23.2	(C 0, G IMax)	/
SP04-960-5770-F04001X	6	44.700	-38.900	15.000	31.600	-6.500	0.000	23.2	(C 0, G IMax)	/
SP04-960-5770-F04001X	7	-44.700	38.900	15.000	-31.600	6.500	0.000	23.2	(C 0, G IMax)	/
SP04-960-5770-F04001X	8	44.700	38.900	15.000	31.600	6.500	0.000	23.2	(C 0, G IMax)	/
SP04-960-5770-F04001X	9	-44.407	-38.912	15.000	-44.230	-3.600	0.000	23.0	(C 0, G IMax)	/
SP04-960-5770-F04001X	10	44.407	-38.912	15.000	44.230	-3.600	0.000	23.0	(C 0, G IMax)	/
SP04-960-5770-F04001X	11	-44.407	38.912	15.000	-44.230	3.600	0.000	23.0	(C 0, G IMax)	/
SP04-960-5770-F04001X	12	44.407	38.912	15.000	44.230	3.600	0.000	23.0	(C 0, G IMax)	/
SP04-960-5770-F04001X	13	-14.904	-38.732	15.000	-1.008	-4.647	0.000	22.2	(C 0, G IMax)	/
SP04-960-5770-F04001X	14	14.904	-38.732	15.000	1.008	-4.647	0.000	22.2	(C 0, G IMax)	/
SP04-960-5770-F04001X	15	-14.904	38.732	15.000	-1.008	4.647	0.000	22.2	(C 0, G IMax)	/
SP04-960-5770-F04001X	16	14.904	38.732	15.000	1.008	4.647	0.000	22.2	(C 0, G IMax)	/



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Exterior Scene 1 / Calculation Grid (Coordinates List)



Scale 1 : 1736

List of the Calculation Grids

No.	Designation	Position [m]			Size [m]		Rotation [°]		
		X	Y	Z	L	W	X	Y	Z
1	General Sport Area 1 Calculation Grid (PA)	0.000	0.000	0.000	95.000	68.000	0.0	0.0	0.0
2	General Sport Area 1 Calculation Grid (TA)	0.000	0.000	0.000	103.000	78.000	0.0	0.0	0.0
3	Calculation Grid 1	0.000	0.000	0.000	229.152	256.631	0.0	0.0	0.0

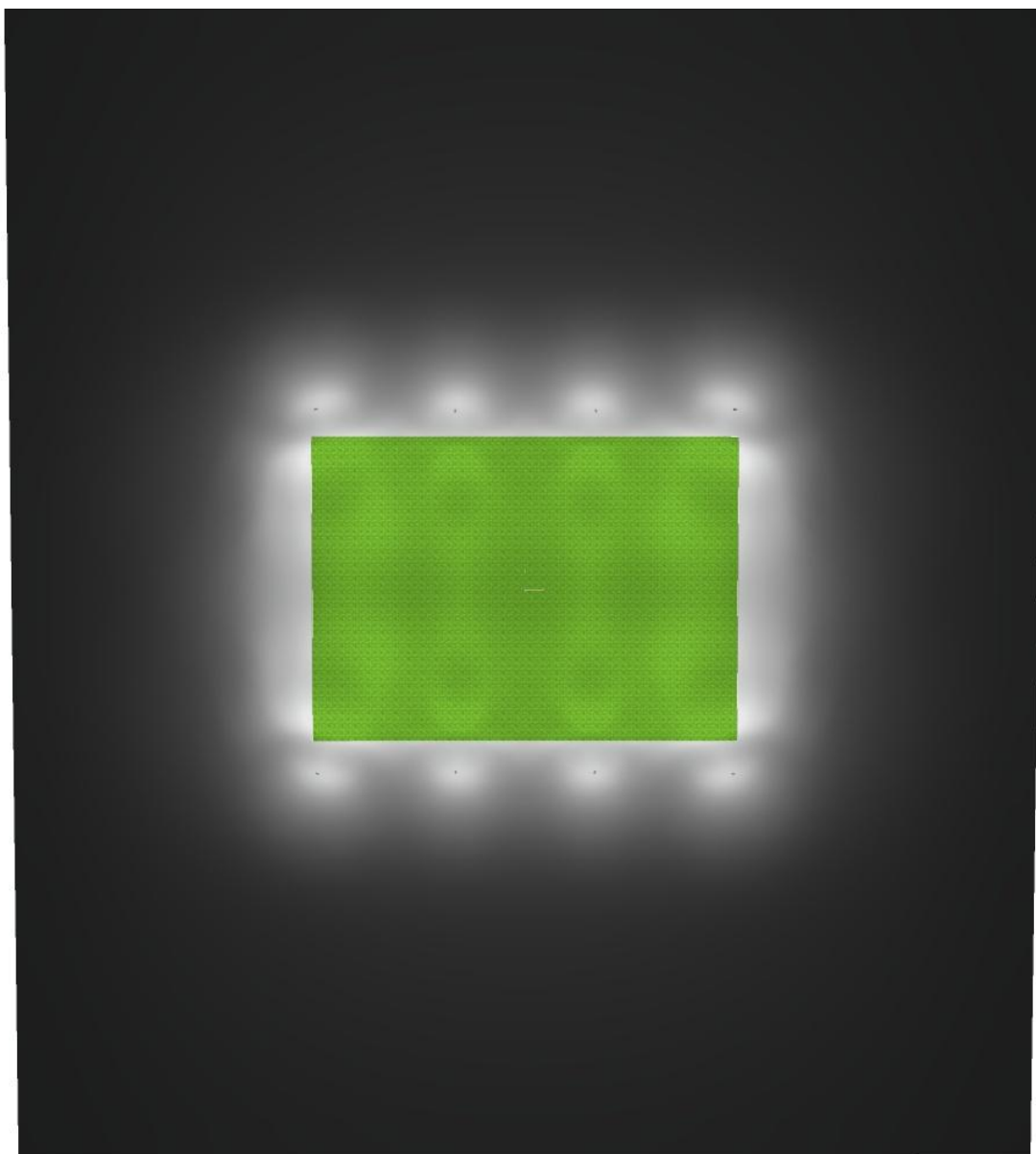


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Exterior Scene 1 / 3D Rendering





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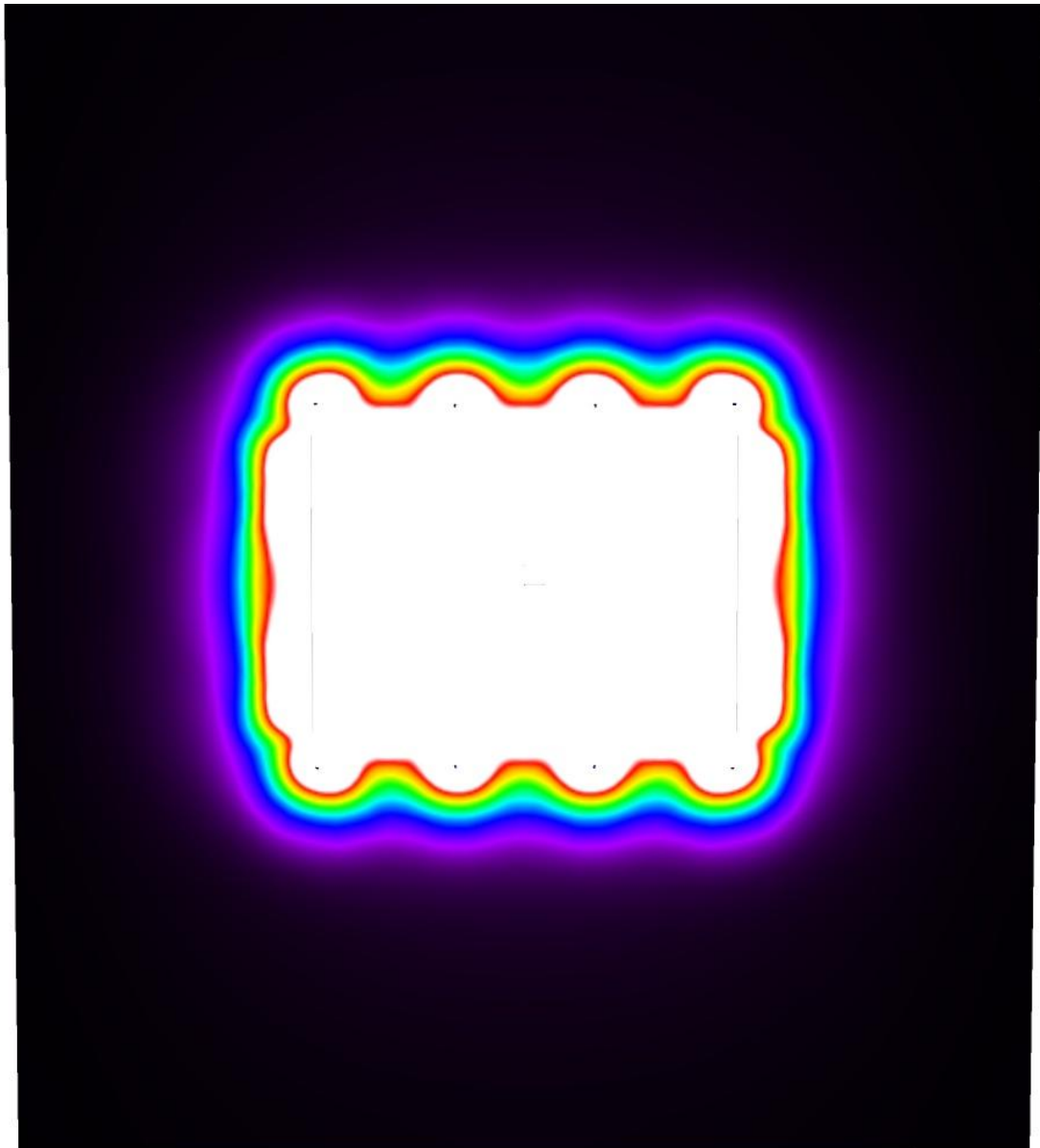
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Exterior Scene 1 / False Color Rendering



0

10

20

30

40

50

60

70

80

lx



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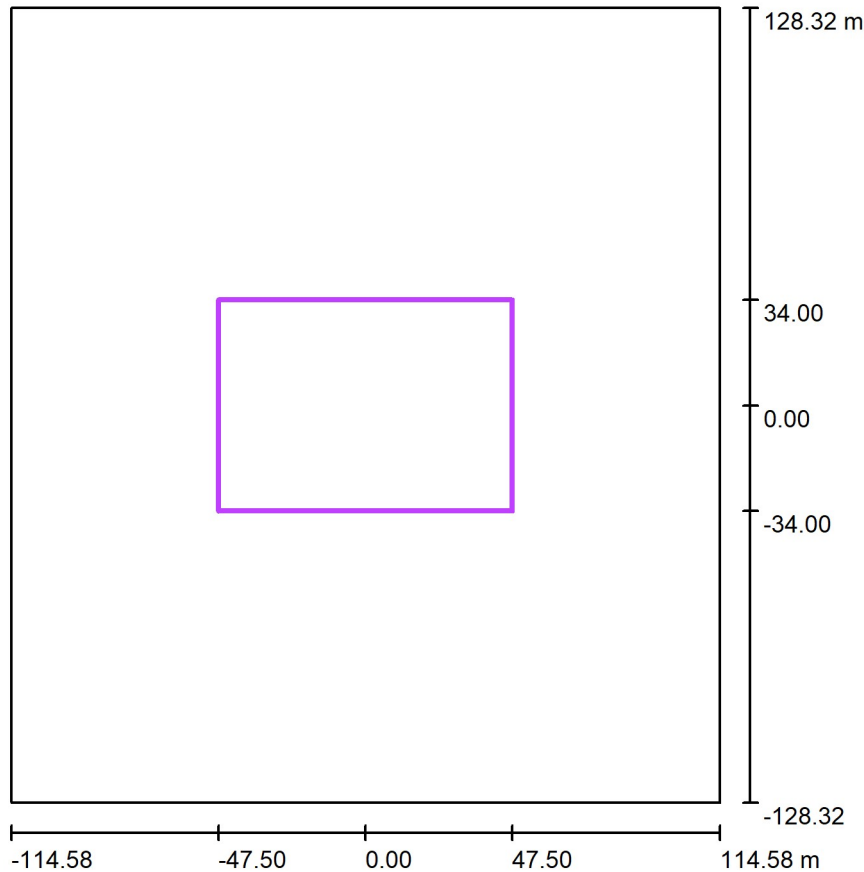
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Exterior Scene 1 / General Sport Area 1 Calculation Grid (PA) / Summary



Scale 1 : 2447

Position: (0.000 m, 0.000 m, 0.000 m)

Size: (95.000 m, 68.000 m)

Rotation: (0.0°, 0.0°, 0.0°)

Type: Normal, Grid: 19 x 13 Points

Belongs to the following sport arena: General Sport Area 1

Results overview

No.	Type	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}	$E_{h\ m} / E_m$	H [m]	Camera
1	perpendicular	200	149	283	0.74	0.53	/	0.000	/

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



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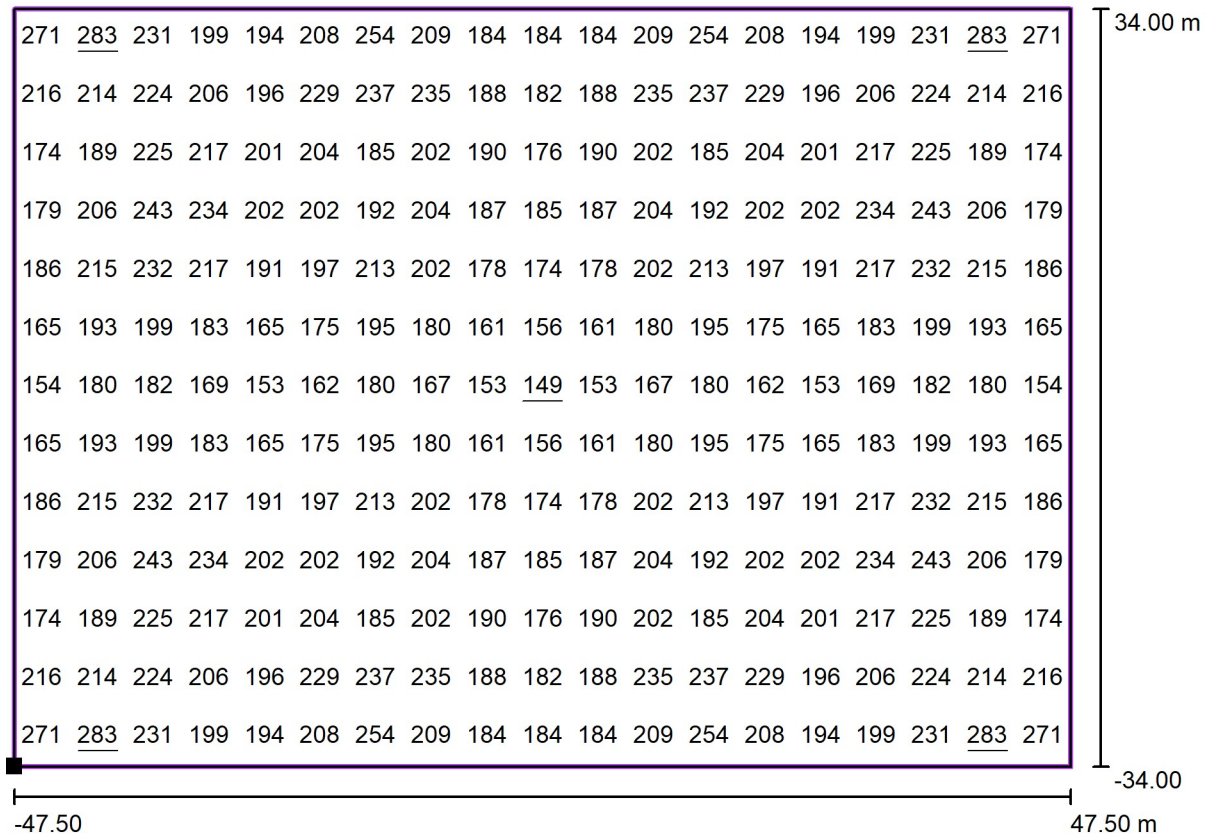
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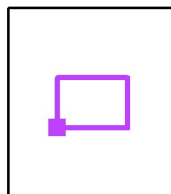
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Exterior Scene 1 / General Sport Area 1 Calculation Grid (PA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 680

Position of surface in external scene:
Marked point: (-47.500 m, -34.000 m, 0.000 m)



Grid: 19 x 13 Points

 E_{av} [lx]
200

 E_{min} [lx]
149

 E_{max} [lx]
283

 u_0
0.74

 E_{min} / E_{max}
0.53



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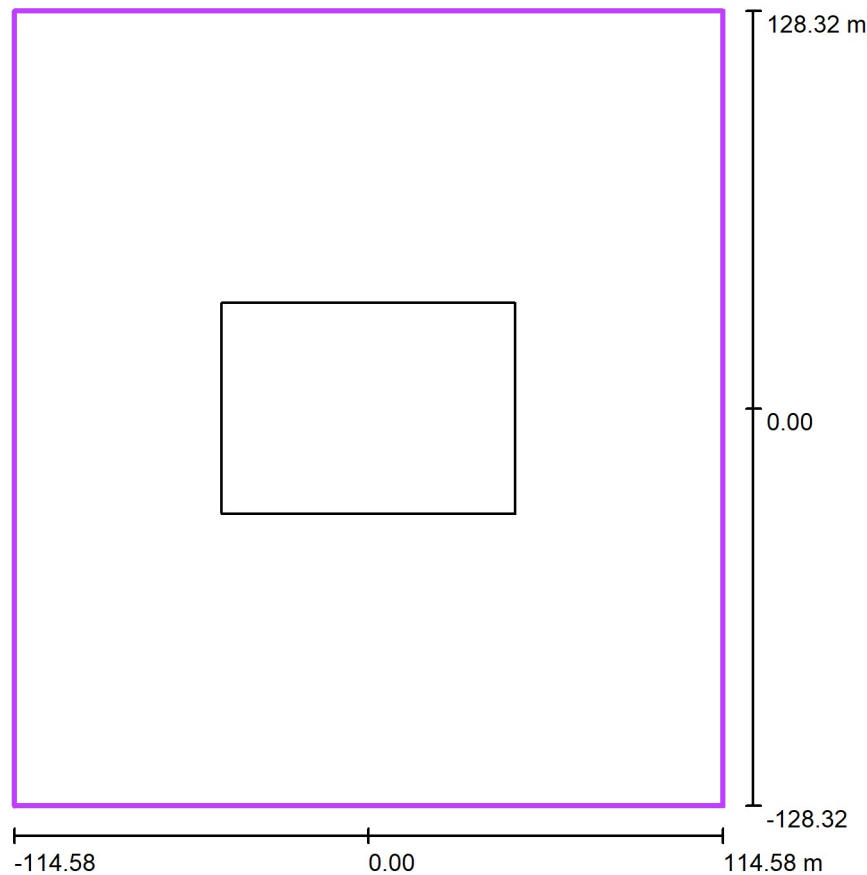
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Exterior Scene 1 / Calculation Grid 1 / Summary



Scale 1 : 2447

Position: (0.000 m, 0.000 m, 0.000 m)

Size: (229.152 m, 256.631 m)

Rotation: (0.0°, 0.0°, 0.0°)

Type: Normal, Grid: 25 x 27 Points

Results overview

No.	Type	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}	$E_{h\ m} / E_m$	H [m]	Camera
1	perpendicular	33	0.15	260	0.00	0.00	/	0.000	/

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

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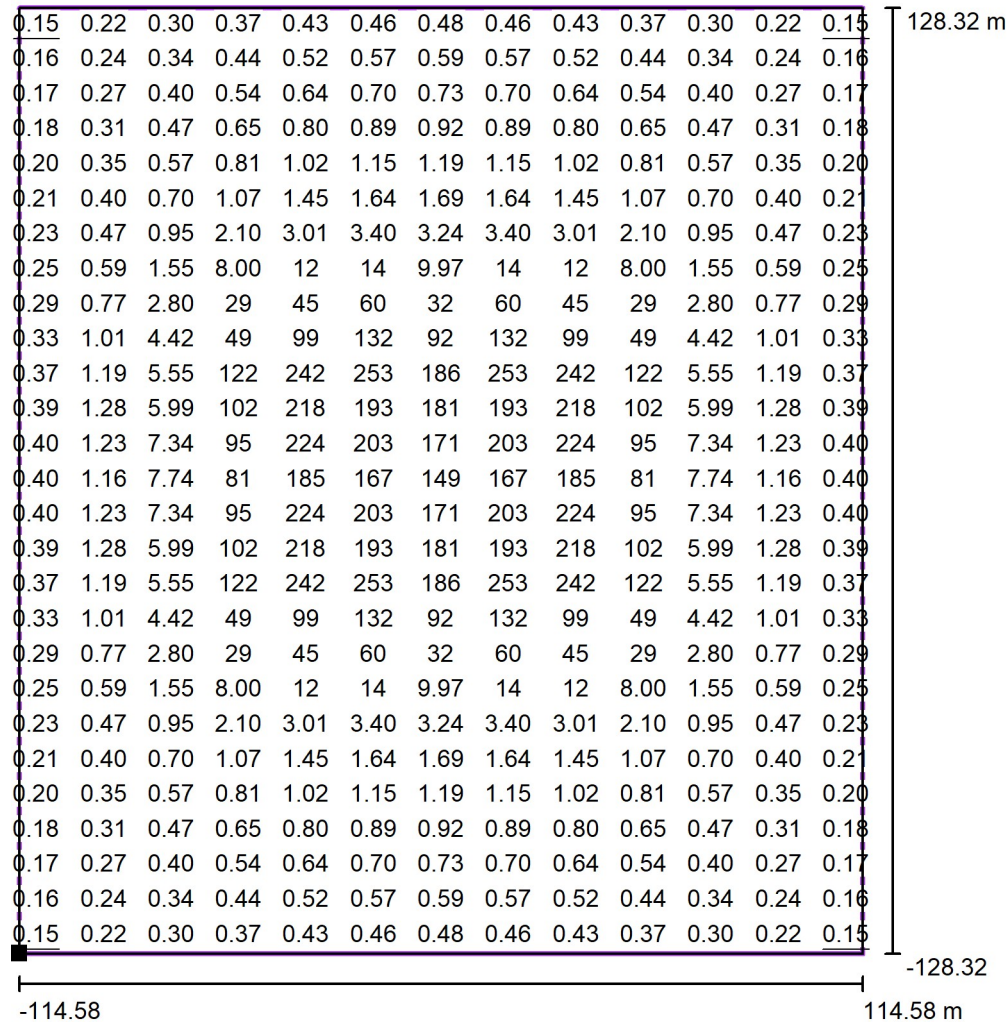
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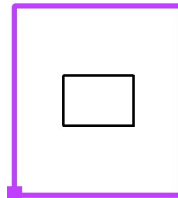
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Exterior Scene 1 / Calculation Grid 1 / Value Chart (E, Perpendicular)

Values in Lux, Scale 1 : 2055

Not all calculated values could be displayed.

Position of surface in external scene:

Marked point: (-114.576 m, -
128.315 m, 0.000 m)

Grid: 25 x 27 Points

 E_{av} [lx]
33 E_{min} [lx]
0.15 E_{max} [lx]
260u0
0.00 E_{min} / E_{max}
0.00