

## **Jaunmārupes stadions**

Partner for Contact:  
Order No.:  
Company:  
Customer No.:

Date: 17.12.2015  
Operator: Diana Malinovska



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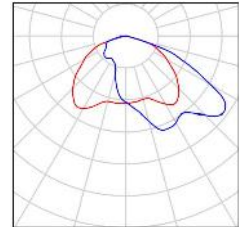
Fax

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## Jaunm rupes stadions / Luminaire parts list

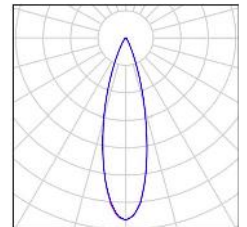
18 Pieces OW 340 40 07 01 10 W FL DD OW 340 40 07 01 10 W FL DD  
 Article No.: OW 340 40 07 01 10 W FL DD  
 Luminous flux (Luminaire): 35101 lm  
 Luminous flux (Lamps): 35101 lm  
 Luminaire Wattage: 340.2 W  
 Luminaire classification according to CIE: 100  
 CIE flux code: 39 74 97 100 100  
 Fitting: 1 x OWL 10 modules (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



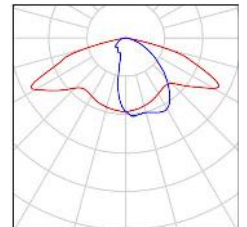
48 Pieces VIZULO OWL 340 W RM  
 OW340740RMS0110SFLDD031  
 Article No.: VIZULO OWL 340 W RM  
 Luminous flux (Luminaire): 36362 lm  
 Luminous flux (Lamps): 36362 lm  
 Luminaire Wattage: 340.0 W  
 Luminaire classification according to CIE: 100  
 CIE flux code: 98 99 100 100 93  
 Fitting: 1 x OWL 10 modules (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



17 Pieces VIZULO STORK 51W SR 051 740 02 01 2 S N ND 03 1  
 Article No.: VIZULO STORK 51W  
 Luminous flux (Luminaire): 5441 lm  
 Luminous flux (Lamps): 5441 lm  
 Luminaire Wattage: 51.0 W  
 Luminaire classification according to CIE: 100  
 CIE flux code: 39 73 97 100 100  
 Fitting: 1 x Stork 2 modules (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.





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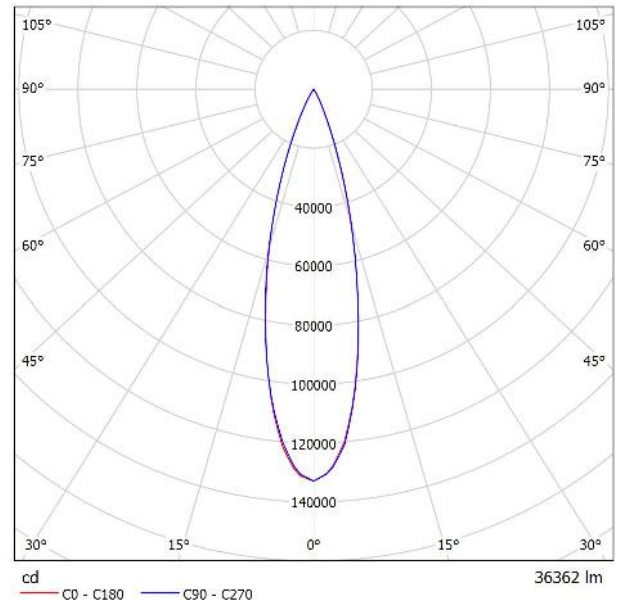
Fax

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## VIZULO OWL 340 W RM OW340740RMS0110SFLDD031 / 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: 98 99 100 100 93

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



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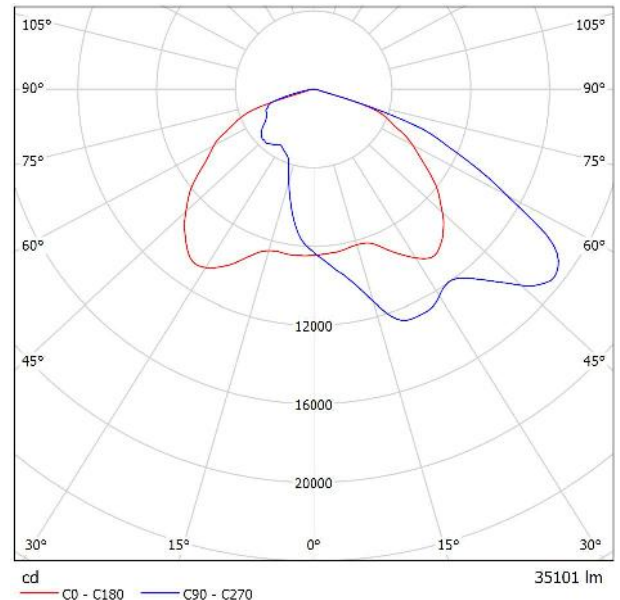
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## OW 340 40 07 01 10 W FL DD OW 340 40 07 01 10 W FL DD / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100  
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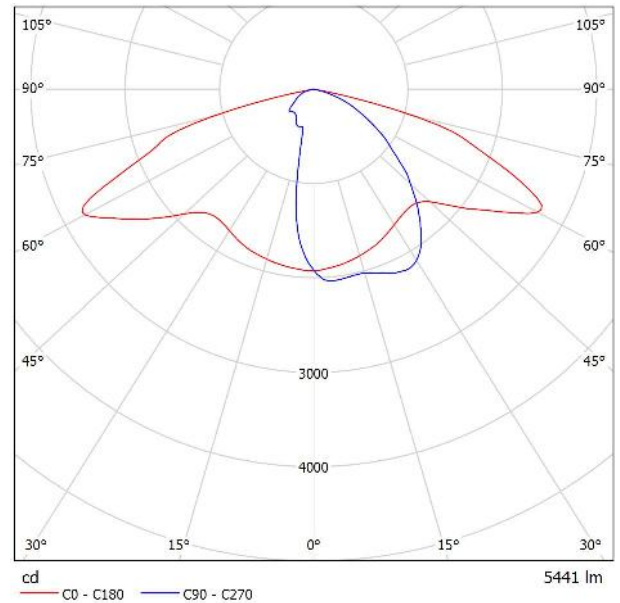
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## VIZULO STORK 51W SR 051 740 02 01 2 S N ND 03 1 / Luminaire Data Sheet

Luminous emittance 1:

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Luminaire classification according to CIE: 100  
CIE flux code: 39 73 97 100 100

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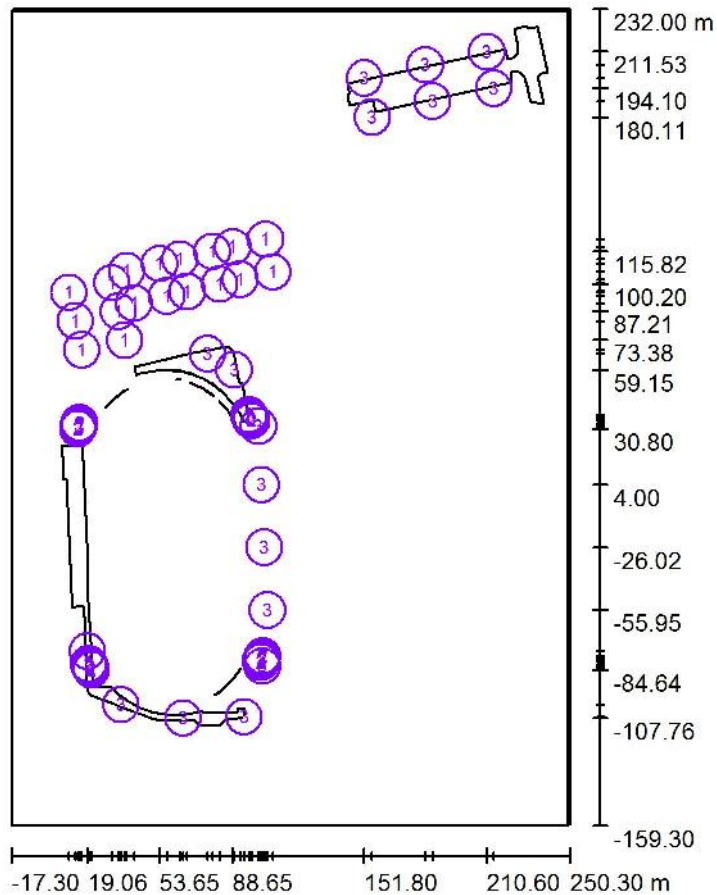
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## Jaunm rupes stadiona plāns / Planning data



Maintenance factor: 0.80, ULR (Upward Light Ratio): 3.0%

Scale 1:3627

## Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	18	OW 340 40 07 01 10 W FL DD OW 340 40 07 01 10 W FL DD (1.000)	35101	35101	340.2
2	48	VIZULO OWL 340 W RM OW340740RMS0110SFLDD031 (1.000)	36362	36362	340.0
3	17	VIZULO STORK 51W SR 051 740 02 01 2 S N ND 03 1 (1.000)	5441	5441	51.0
Total:			2469691	2469691	23311.2



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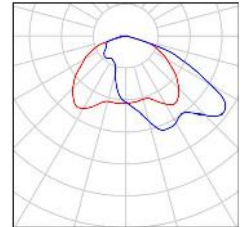
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## Jaunm rūpes stadiona plāns / Luminaire parts list

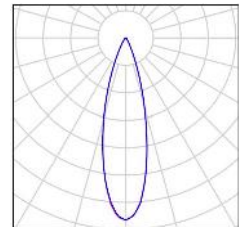
18 Pieces OW 340 40 07 01 10 W FL DD OW 340 40 07 01 10 W FL DD  
 Article No.: OW 340 40 07 01 10 W FL DD  
 Luminous flux (Luminaire): 35101 lm  
 Luminous flux (Lamps): 35101 lm  
 Luminaire Wattage: 340.2 W  
 Luminaire classification according to CIE: 100  
 CIE flux code: 39 74 97 100 100  
 Fitting: 1 x OWL 10 modules (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



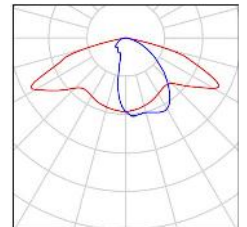
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 Luminous flux (Lamps): 5441 lm  
 Luminaire Wattage: 51.0 W  
 Luminaire classification according to CIE: 100  
 CIE flux code: 39 73 97 100 100  
 Fitting: 1 x Stork 2 modules (Correction Factor 1.000).

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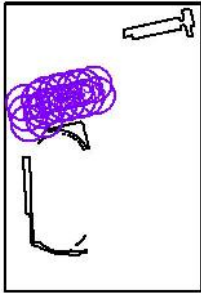
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## Jaunm rupes stadiona plāns / Luminaires (coordinates list)

### OW 340 40 07 01 10 W FL DD OW 340 40 07 01 10 W FL DD

35101 lm, 340.2 W, 1 x 1 x OWL 10 modules (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	16.352	68.774	8.000	0.0	0.0	-77.2
2	13.318	82.416	8.000	0.0	0.0	-78.4
3	10.220	96.127	8.000	0.0	0.0	-77.0
4	37.015	73.376	8.000	0.0	0.0	101.1
5	33.905	87.205	8.000	0.0	0.0	101.3
6	30.861	100.749	8.000	0.0	0.0	102.7
7	37.896	106.470	8.000	0.0	0.0	-168.9
8	53.648	109.994	8.000	0.0	0.0	-168.9
9	41.435	91.028	8.000	0.0	0.0	13.4
10	57.048	94.571	8.000	0.0	0.0	11.1
11	63.317	112.219	8.000	0.0	0.0	-166.0
12	78.984	115.815	8.000	0.0	0.0	-165.2
13	66.859	96.655	8.000	0.0	0.0	13.7
14	82.402	100.201	8.000	0.0	0.0	11.1
15	88.648	118.047	8.000	0.0	0.0	-167.7
16	104.309	121.661	8.000	0.0	0.0	-165.3
17	92.177	102.454	8.000	0.0	0.0	13.4
18	107.846	106.021	8.000	0.0	0.0	11.1



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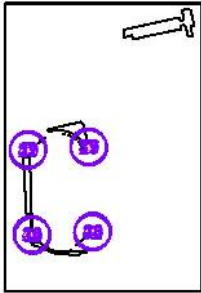
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## Jaunm rupes stadiona plāns / Luminaires (coordinates list)

## VIZULO OWL 340 W RM OW340740RMS0110SFLDD031

36362 lm, 340.0 W, 1 x 1 x OWL 10 modules (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	14.951	32.227	20.000	35.7	0.0	-127.9
2	20.403	-83.255	20.000	35.7	0.0	-46.7
3	97.021	36.101	20.000	35.7	0.0	133.3
4	102.472	-79.381	20.000	35.7	0.0	52.1
5	15.323	33.656	20.000	64.2	0.0	-111.6
6	20.908	-84.643	20.000	64.2	0.0	-63.0
7	96.515	37.489	20.000	64.2	0.0	117.0
8	102.100	-80.810	20.000	64.2	0.0	68.4
9	15.181	32.931	20.000	66.1	0.0	-121.7
10	20.698	-83.935	20.000	66.1	0.0	-52.9
11	96.725	36.781	20.000	66.1	0.0	127.1
12	102.242	-80.085	20.000	66.1	0.0	58.3
13	14.700	31.571	20.000	71.9	0.0	-140.6
14	20.091	-82.626	20.000	71.9	0.0	-34.0
15	97.332	35.472	20.000	71.9	0.0	146.0
16	102.724	-78.725	20.000	71.9	0.0	39.4
17	14.461	30.798	20.000	70.4	0.0	-163.9
18	19.780	-81.879	20.000	70.4	0.0	-10.6
19	97.643	34.725	20.000	70.4	0.0	169.4
20	102.962	-77.952	20.000	70.4	0.0	16.1
21	14.700	31.571	21.000	70.9	0.0	-146.9
22	20.091	-82.626	21.000	70.9	0.0	-27.7
23	97.332	35.472	21.000	70.9	0.0	152.3
24	102.724	-78.725	21.000	70.9	0.0	33.1
25	14.461	30.798	21.000	70.0	0.0	-155.0
26	19.780	-81.879	21.000	70.0	0.0	-19.6
27	97.643	34.725	21.000	70.0	0.0	160.4
28	102.962	-77.952	21.000	70.0	0.0	25.0



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**Jaunm rupes stadiona pl ns / Luminaires (coordinates list)**

No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
29	15.323	33.656	21.000	62.3	0.0	-100.7
30	20.908	-84.643	21.000	62.3	0.0	-73.9
31	96.515	37.489	21.000	62.3	0.0	106.1
32	102.100	-80.810	21.000	62.3	0.0	79.3
33	15.181	32.931	21.000	69.4	0.0	-131.6
34	20.698	-83.935	21.000	69.4	0.0	-43.0
35	96.725	36.781	21.000	69.4	0.0	137.0
36	102.242	-80.085	21.000	69.4	0.0	48.4
37	14.951	32.227	21.000	70.9	0.0	-137.1
38	20.403	-83.255	21.000	70.9	0.0	-37.5
39	97.021	36.101	21.000	70.9	0.0	142.5
40	102.472	-79.381	21.000	70.9	0.0	42.9
41	14.700	31.571	22.000	70.1	0.0	-159.8
42	20.091	-82.626	22.000	70.1	0.0	-14.8
43	97.332	35.472	22.000	70.1	0.0	165.2
44	102.724	-78.725	22.000	70.1	0.0	20.2
45	14.461	30.798	22.000	69.8	0.0	-165.8
46	19.780	-81.879	22.000	69.8	0.0	-8.8
47	97.643	34.725	22.000	69.8	0.0	171.2
48	102.962	-77.952	22.000	69.8	0.0	14.2



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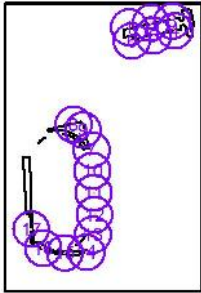
Fax

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## Jaunm rūpes stadiona plāns / Luminaires (coordinates list)

### VIZULO STORK 51W SR 051 740 02 01 2 S N ND 03 1

5441 lm, 51.0 W, 1 x 1 x Stork 2 modules (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	151.799	198.910	8.000	0.0	0.0	-170.3
2	181.138	205.235	8.000	0.0	0.0	-168.5
3	210.599	211.532	8.000	0.0	0.0	-165.4
4	213.897	194.099	8.000	0.0	0.0	13.6
5	184.587	187.851	8.000	0.0	0.0	13.6
6	155.603	180.114	8.000	0.0	0.0	12.5
7	100.892	32.082	8.000	0.0	0.0	135.0
8	76.601	66.912	8.000	0.0	0.0	-166.3
9	89.339	59.148	8.000	0.0	0.0	98.4
10	102.293	3.998	8.000	0.0	0.0	89.7
11	103.694	-26.016	8.000	0.0	0.0	90.3
12	105.216	-55.950	8.000	0.0	0.0	90.8
13	102.736	-82.877	8.000	0.0	0.0	81.5
14	94.028	-107.135	8.000	0.0	0.0	23.0
15	64.863	-107.760	8.000	0.0	0.0	0.0
16	35.141	-101.297	8.000	0.0	0.0	-23.7
17	19.059	-75.612	8.000	0.0	0.0	-89.7



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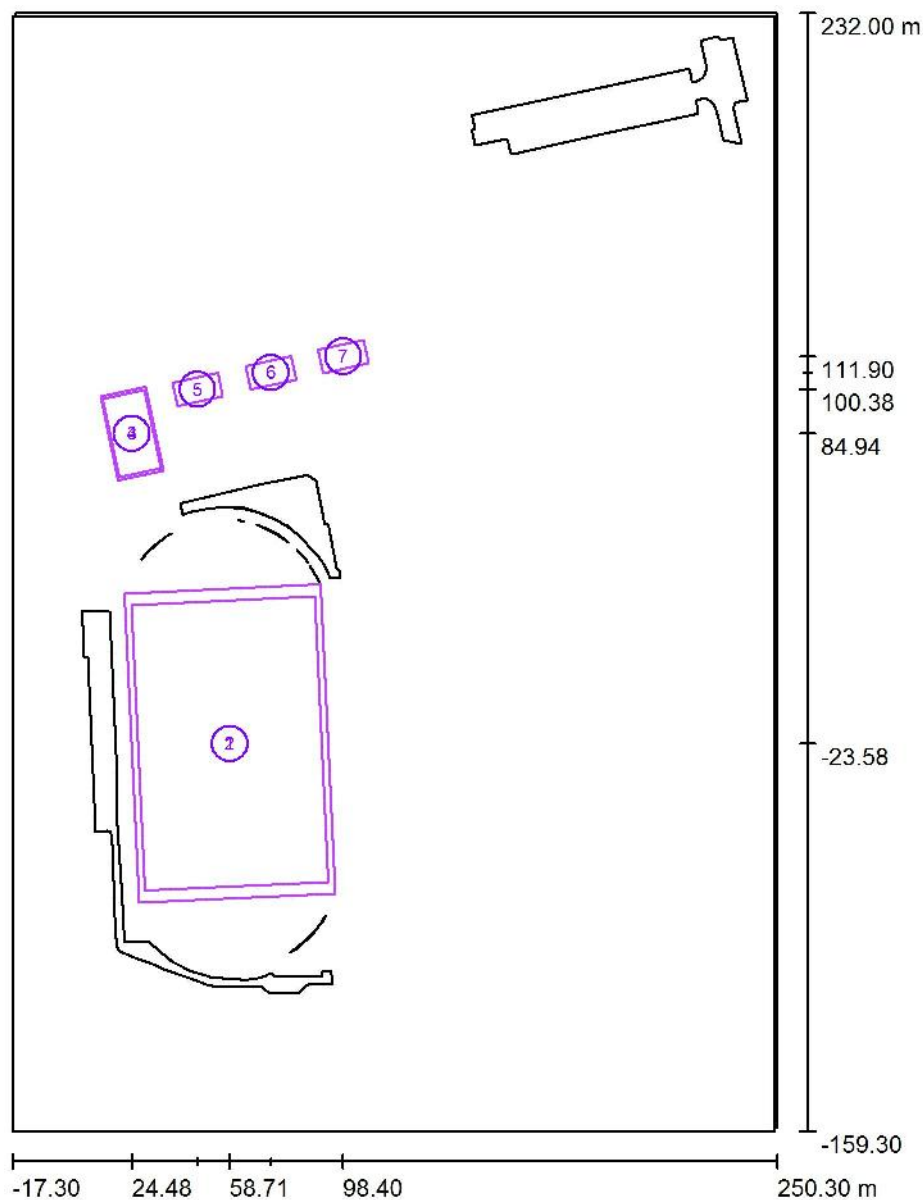
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## Jaunm rupes stadiona plāns / Calculation Grid (Coordinates List)



Scale 1 : 2647

## List of the Calculation Grids

No.	Designation	Position [m]			Size [m]		Rotation [°]		
		X	Y	Z	L	W	X	Y	Z
1	Soccer Field 1 Calculation Grid (PA)	58.712	-23.577	0.000	100.000	64.000	0.0	0.0	-87.3
2	Soccer Field 1 Calculation Grid (TA)	58.712	-23.577	0.000	108.327	68.647	0.0	0.0	-87.3
3	Basketball 1 Calculation Grid (PA)	24.483	84.943	0.000	28.000	15.000	0.0	0.0	-78.0
4	Basketball 1 Calculation Grid (TA)	24.483	84.943	0.000	29.985	16.224	0.0	0.0	-78.0



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## Jaunmārupes stadiona plāns / Calculation Grid (Coordinates List)

### List of the Calculation Grids

No.	Designation	Position [m]			Size [m]		Rotation [°]		
		X	Y	Z	L	W	X	Y	Z
5	Tennis 1 Calculation Grid (PA)	47.443	100.376	0.000	16.205	8.335	0.0	0.0	12.2
6	Tennis 1 Calculation Grid (PA)	73.100	106.200	0.000	16.205	8.335	0.0	0.0	12.2
7	Tennis 1 Calculation Grid (PA)	98.400	111.900	0.000	16.205	8.335	0.0	0.0	12.2

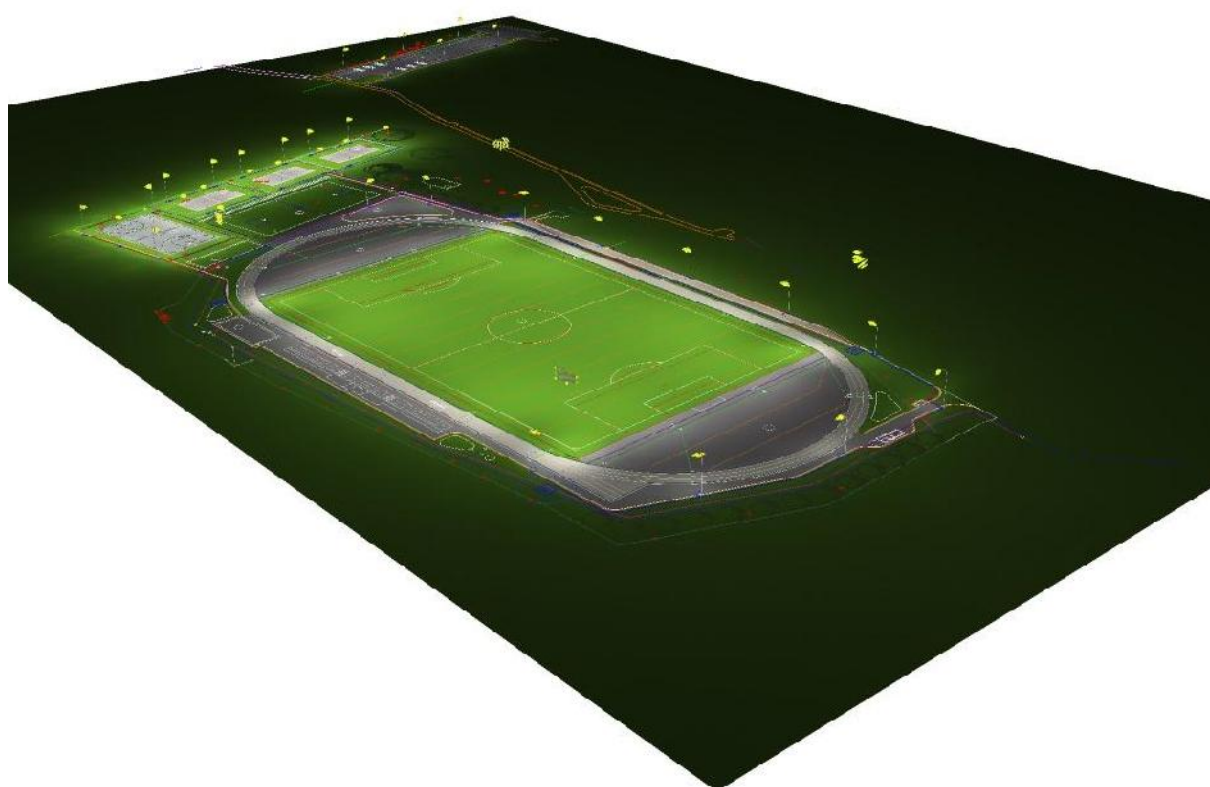


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## Jaunmārupes stadiona plāns / 3D Rendering



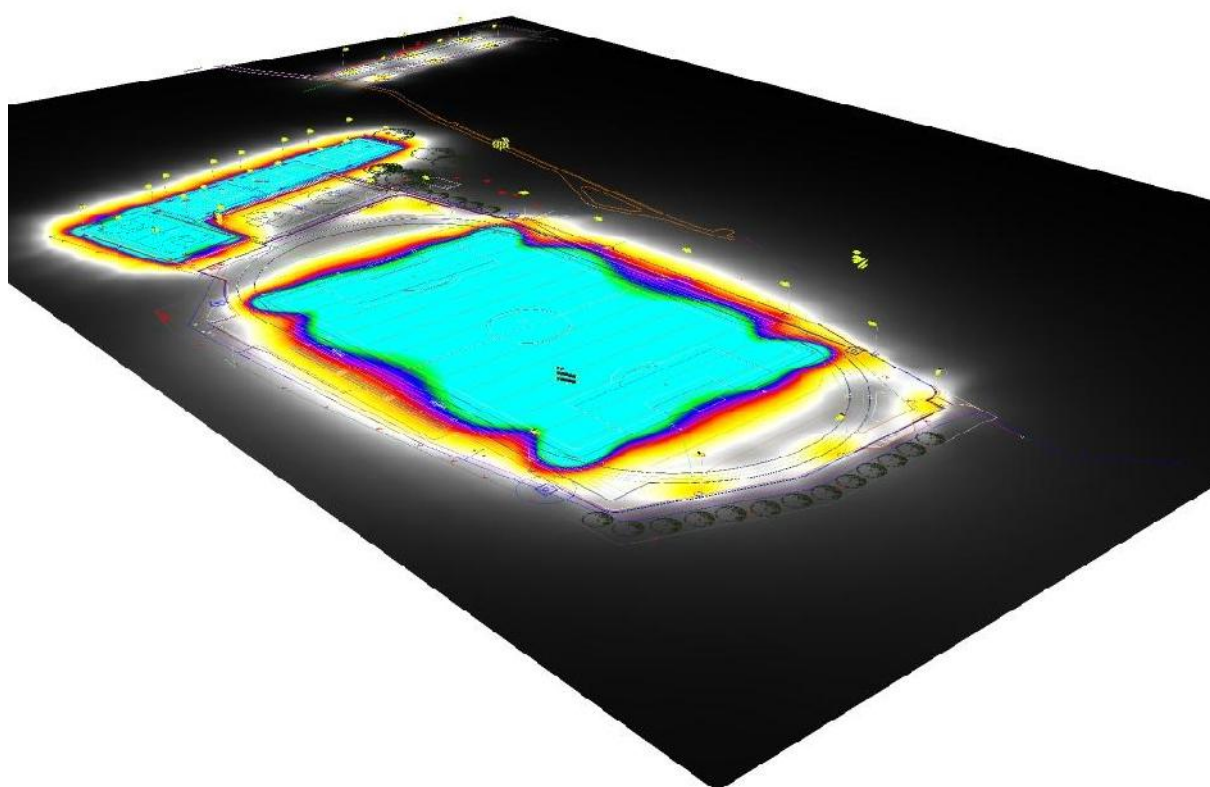


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## Jaunmārupes stadiona plāns / False Colour Rendering



lx





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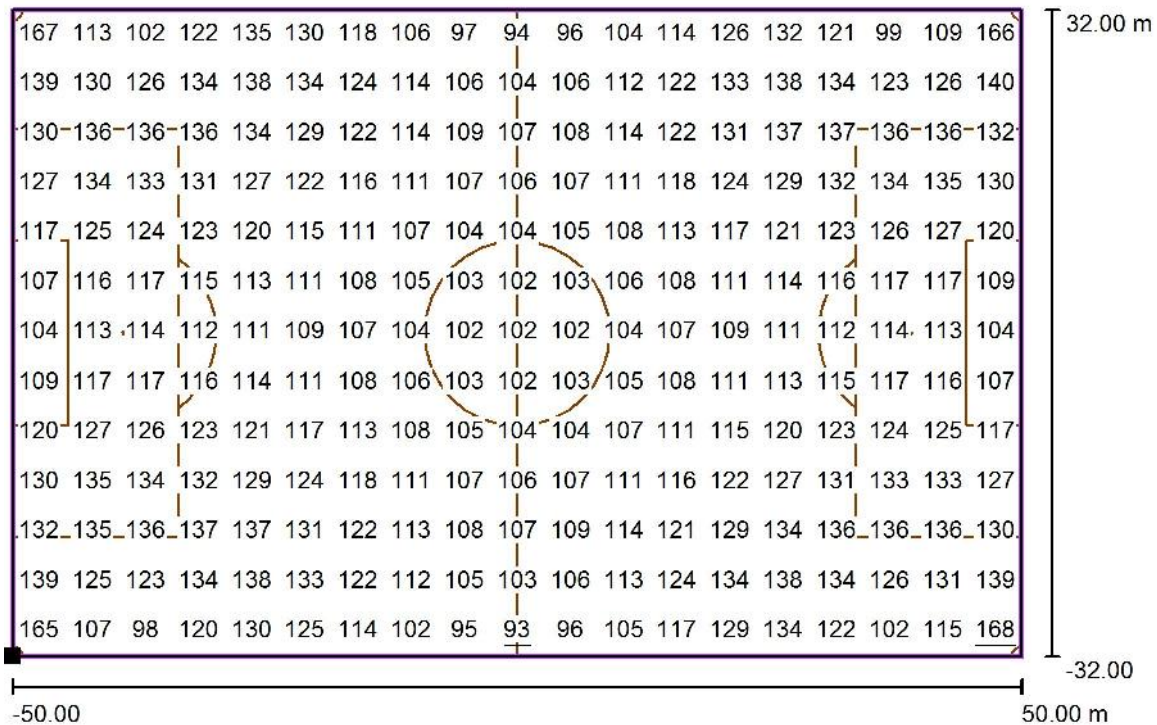
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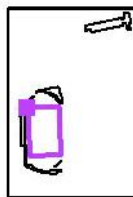
e-Mail diana.malinovska@vizulo.eu

## Jaunm rūpes stadiona plāns / Soccer Field 1 Calculation Grid (PA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 750

Position of surface in external scene:  
Marked point: (24.389 m, 24.858 m, 0.000 m)



Grid: 19 x 13 Points

 $E_{av}$  [lx]  
119

 $E_{min}$  [lx]  
93

 $E_{max}$  [lx]  
168

 $u_0$   
0.78

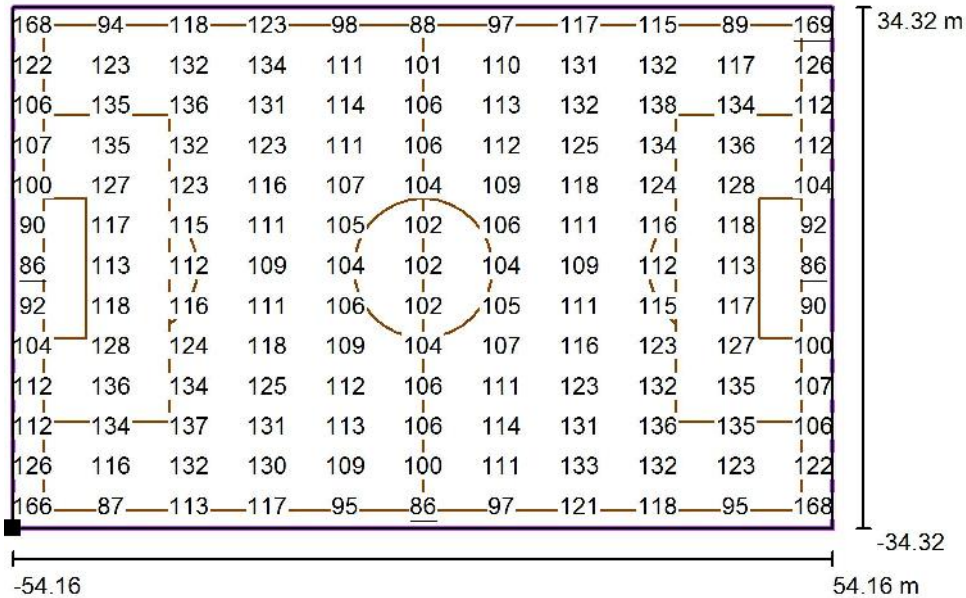
 $E_{min} / E_{max}$   
0.55

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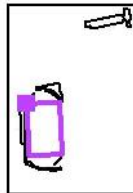
## Jaunm rūpes stadiona plāns / Soccer Field 1 Calculation Grid (TA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 1000

Not all calculated values could be displayed.

Position of surface in external scene:  
 Marked point: (21.872 m, 28.907 m,  
 0.000 m)



Grid: 21 x 13 Points

$E_{av}$  [lx]  
117

$E_{min}$  [lx]  
86

$E_{max}$  [lx]  
169

$u_0$   
0.73

$E_{min} / E_{max}$   
0.51



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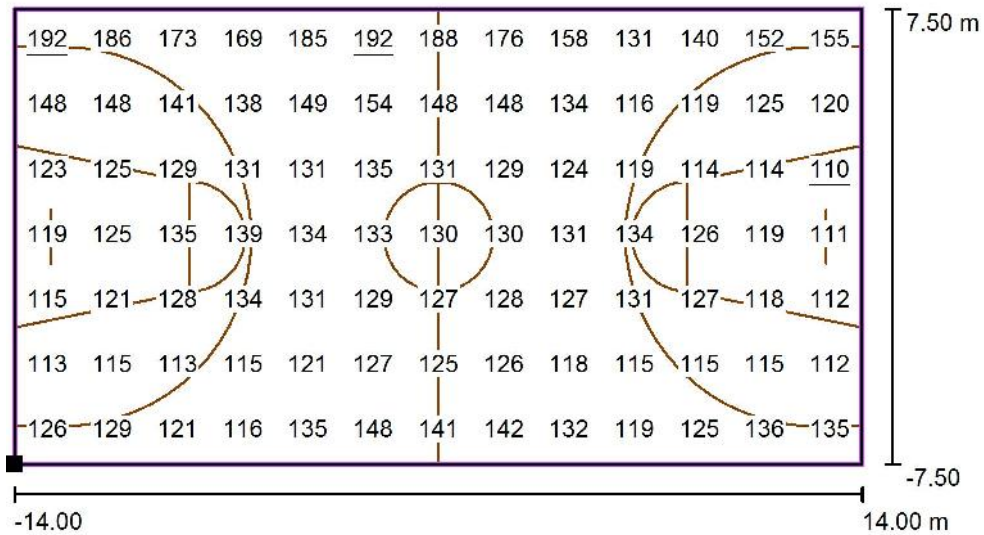
Operator Diana Malinovska

Telephone +37126419056

Fax

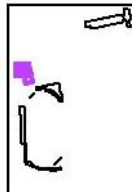
e-Mail diana.malinovska@vizulo.eu

## Jaunm rūpes stadiona plāns / Basketball 1 Calculation Grid (PA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 250

Position of surface in external scene:  
Marked point: (14.234 m, 97.075 m,  
0.000 m)



Grid: 13 x 7 Points

 $E_{av}$  [lx]  
133

 $E_{min}$  [lx]  
110

 $E_{max}$  [lx]  
192

 $u_0$   
0.83

 $E_{min} / E_{max}$   
0.57



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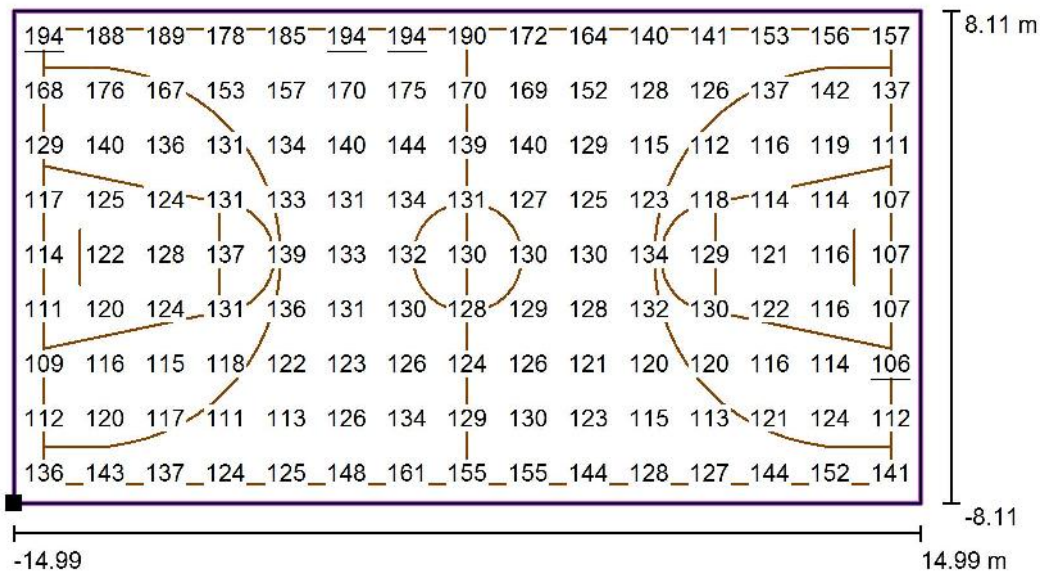
Operator Diana Malinovska

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## Jaunm rūpes stadiona plāns / Basketball 1 Calculation Grid (TA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 250

Position of surface in external scene:  
Marked point: (13.428 m, 97.919 m,  
0.000 m)



Grid: 135 Points

 $E_{av}$  [lx]  
135

 $E_{min}$  [lx]  
106

 $E_{max}$  [lx]  
194

 $u_0$   
0.78

 $E_{min} / E_{max}$   
0.54



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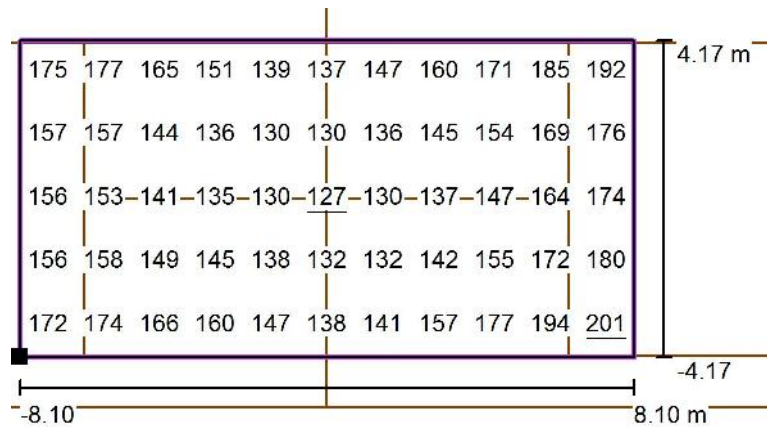
Operator Diana Malinovska

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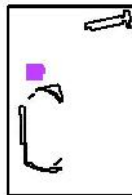
e-Mail diana.malinovska@vizulo.eu

## Jaunm rupes stadiona pl ns / Tennis 1 Calculation Grid (PA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 200

Position of surface in external scene:  
Marked point: (40.408 m, 94.586 m,  
0.000 m)



Grid: 11 x 5 Points

 $E_{av}$  [lx]  
155

 $E_{min}$  [lx]  
127

 $E_{max}$  [lx]  
201

 $u_0$   
0.82

 $E_{min} / E_{max}$   
0.63



SIA VIZULO SOLUTIONS

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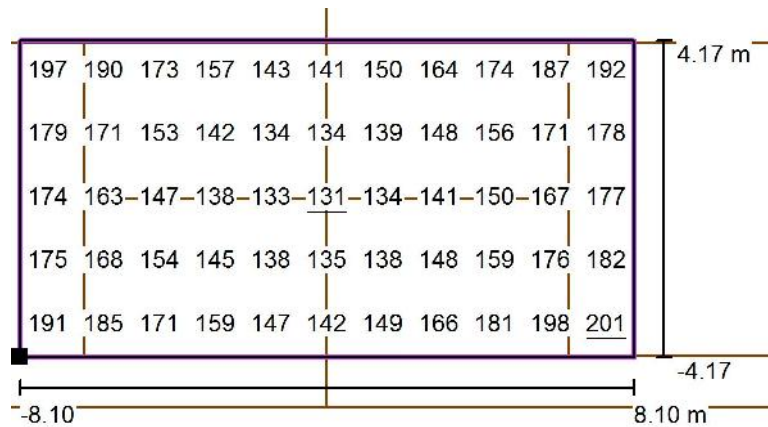
Operator Diana Malinovska

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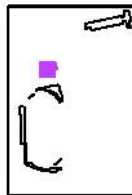
e-Mail diana.malinovska@vizulo.eu

## Jaunm rupes stadiona pl ns / Tennis 1 Calculation Grid (PA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 200

Position of surface in external scene:  
Marked point: (66.065 m, 100.410 m,  
0.000 m)



Grid: 11 x 5 Points

 $E_{av}$  [lx]  
161

 $E_{min}$  [lx]  
131

 $E_{max}$  [lx]  
201

 $u_0$   
0.82

 $E_{min} / E_{max}$   
0.65



SIA VIZULO SOLUTIONS

Ganību dambis 7A, Rīga, Latvija

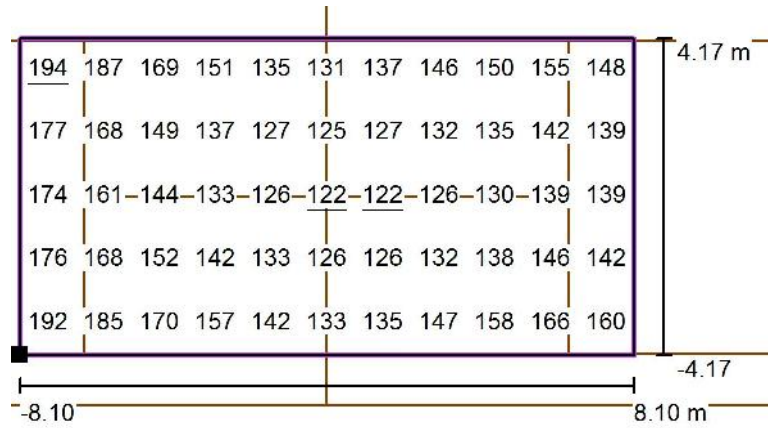
Operator Diana Malinovska

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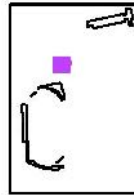
e-Mail diana.malinovska@vizulo.eu

## Jaunm rupes stadiona plāns / Tennis 1 Calculation Grid (PA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 200

Position of surface in external scene:  
Marked point: (91.365 m, 106.110 m,  
0.000 m)



Grid: 11 x 5 Points

 $E_{av}$  [lx]  
147

 $E_{min}$  [lx]  
122

 $E_{max}$  [lx]  
194

 $u_0$   
0.83

 $E_{min} / E_{max}$   
0.63