

Project 1

Partner for Contact:
Order No.:
Company: BTR MFG GLOBAL
Customer No.:

Date: 15.07.2025
Operator:



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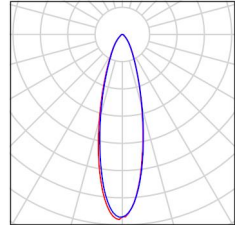


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Luminaire parts list

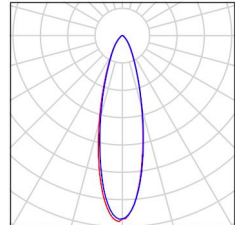
40 Pieces MSL051200W48V57KBB44TR
Article No.:
Luminous flux (Luminaire): 172349 lm
Luminous flux (Lamps): 172453 lm
Luminaire Wattage: 1201.4 W
Luminaire classification according to CIE: 100
CIE flux code: 88 96 99 100 100
Fitting: 1 x User defined (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



4 Pieces MSL05600W48V57KBB44TR
Article No.:
Luminous flux (Luminaire): 91509 lm
Luminous flux (Lamps): 91565 lm
Luminaire Wattage: 600.2 W
Luminaire classification according to CIE: 100
CIE flux code: 88 96 99 100 100
Fitting: 1 x User defined (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.





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Planning data



Maintenance factor: 0.80, ULR (Upward Light Ratio): 8.5%

Scale 1:1317

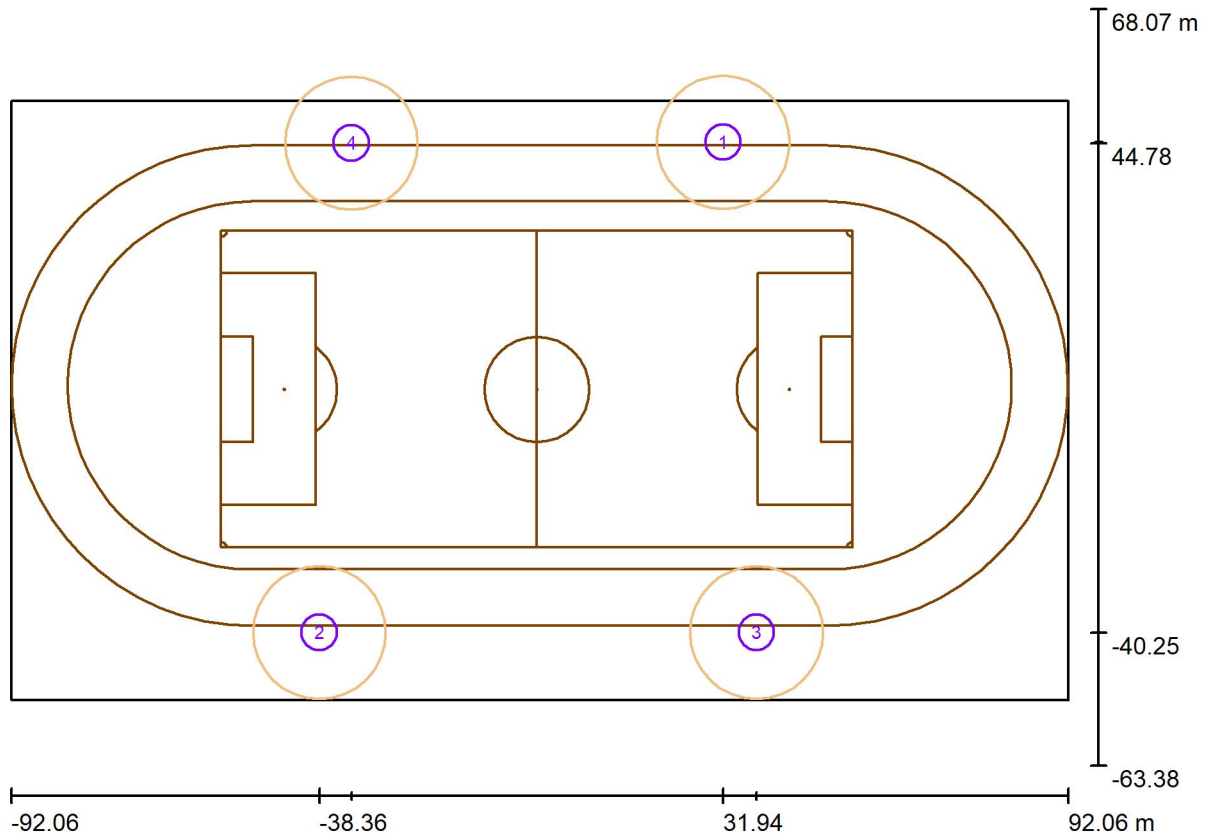
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	40	MSL051200W48V57KBB44TR (1.000)	172349	172453	1201.4
2	4	MSL05600W48V57KBB44TR (1.000)	91509	91565	600.2
Total:			7260012	Total: 7264395	50456.8



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Pole Positions (Coordinates List)



Scale 1 : 1317

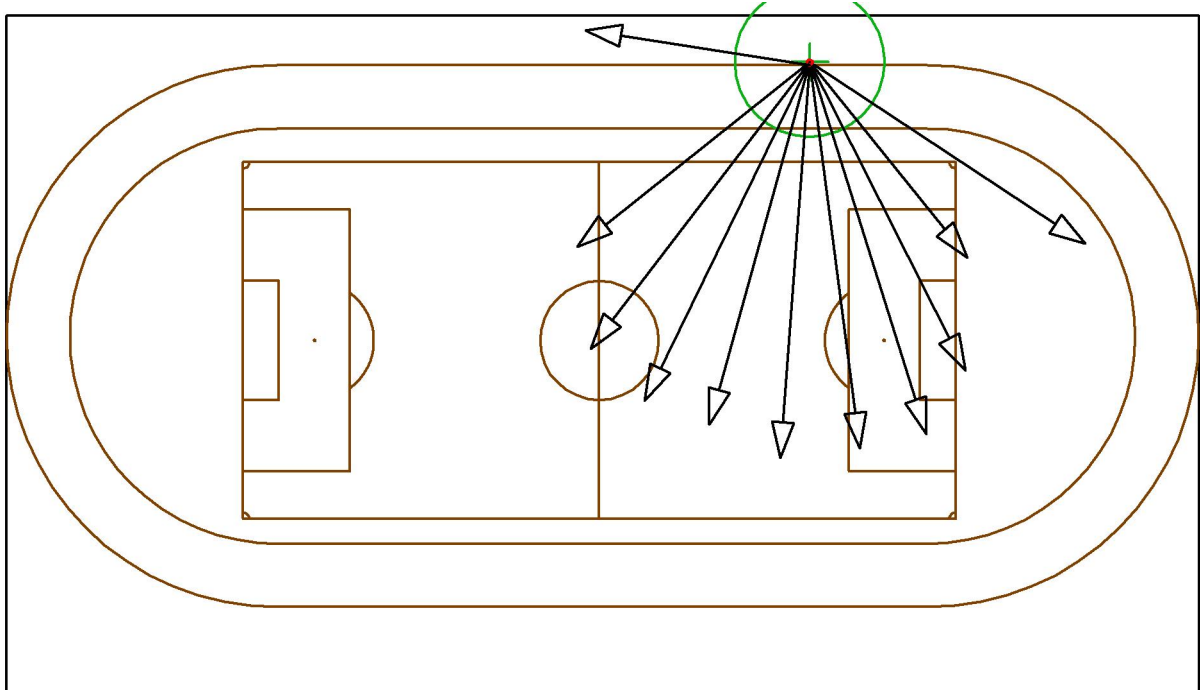
List of the Pole Positions

No.	Designation	Position [m]		
		X	Y	Z
1	Pole Position 1	31.938	44.936	0.000
2	Pole Position 2	-38.362	-40.247	0.000
3	Pole Position 3	37.772	-40.247	0.000
4	Pole Position 4	-32.794	44.778	0.000



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Pole Luminaire (Summary)



Position: (31.938 m, 44.936 m, 0.000 m)

No.	Luminaire	Aiming Point [m]			Angle [°]	Alignment
		X	Y	Z		
1	MSL051200W48V57KBB44TR	6.494	-7.270	0.000	20.2	(C 90, G IMax)
2	MSL051200W48V57KBB44TR	74.533	16.912	0.000	22.7	(C 90, G IMax)
3	MSL051200W48V57KBB44TR	-1.887	0.683	0.000	21.0	(C 90, G IMax)
4	MSL051200W48V57KBB44TR	27.408	-16.107	0.000	19.2	(C 90, G IMax)



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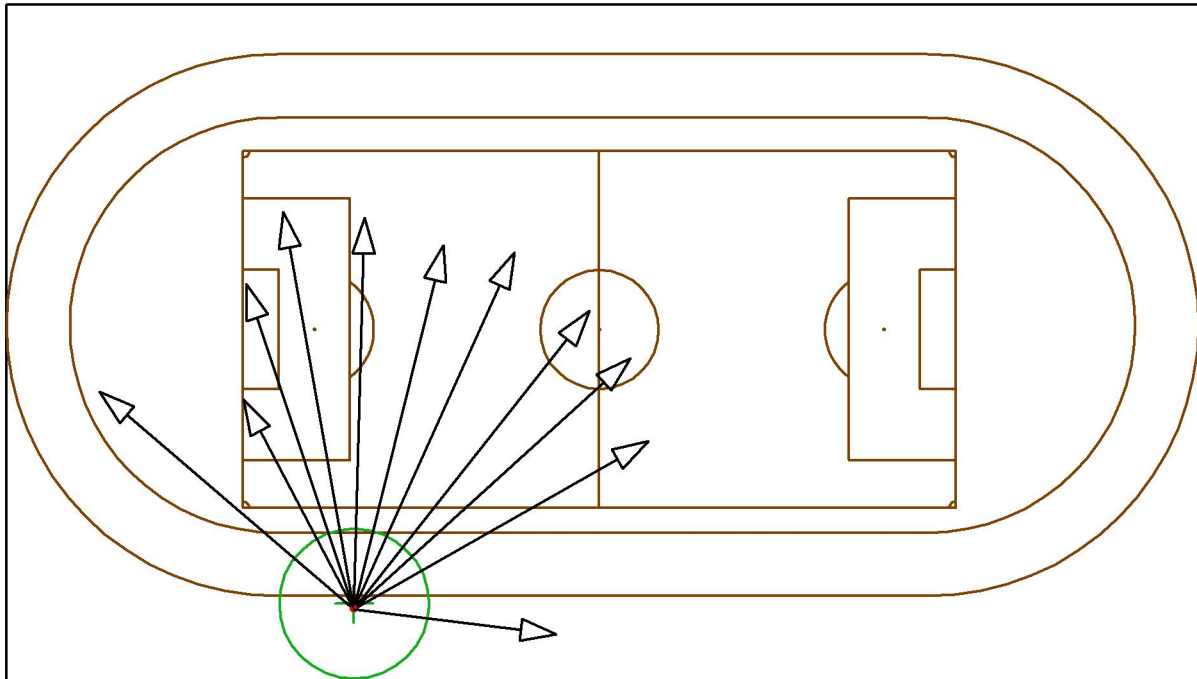
Pole Luminaire (Summary)

No.	Luminaire	Aiming Point [m]			Angle [°]	Alignment
		X	Y	Z		
5	MSL051200W48V57KBB44TR	55.981	-2.623	0.000	21.8	(C 90, G IMax)
6	MSL051200W48V57KBB44TR	56.327	14.809	0.000	28.8	(C 90, G IMax)
7	MSL051200W48V57KBB44TR	39.680	-14.648	0.000	19.5	(C 90, G IMax)
8	MSL051200W48V57KBB44TR	49.945	-12.400	0.000	19.5	(C 90, G IMax)
9	MSL051200W48V57KBB44TR	-3.910	16.397	0.000	25.0	(C 90, G IMax)
10	MSL051200W48V57KBB44TR	16.489	-10.986	0.000	20.2	(C 90, G IMax)
11	MSL05600W48V57KBB44TR	-2.663	49.776	0.000	31.4	(C 90, G IMax)



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Pole Luminaire (Summary)



Position: (-38.362 m, -40.247 m, 0.000 m)

No.	Luminaire	Aiming Point [m]			Angle [°]	Alignment
		X	Y	Z		
1	MSL051200W48V57KBB44TR	-77.635	-7.579	0.000	22.5	(C 90, G IMax)
2	MSL051200W48V57KBB44TR	-55.431	-8.742	0.000	30.3	(C 90, G IMax)
3	MSL051200W48V57KBB44TR	-36.740	19.223	0.000	19.5	(C 90, G IMax)
4	MSL051200W48V57KBB44TR	-24.533	14.957	0.000	20.3	(C 90, G IMax)



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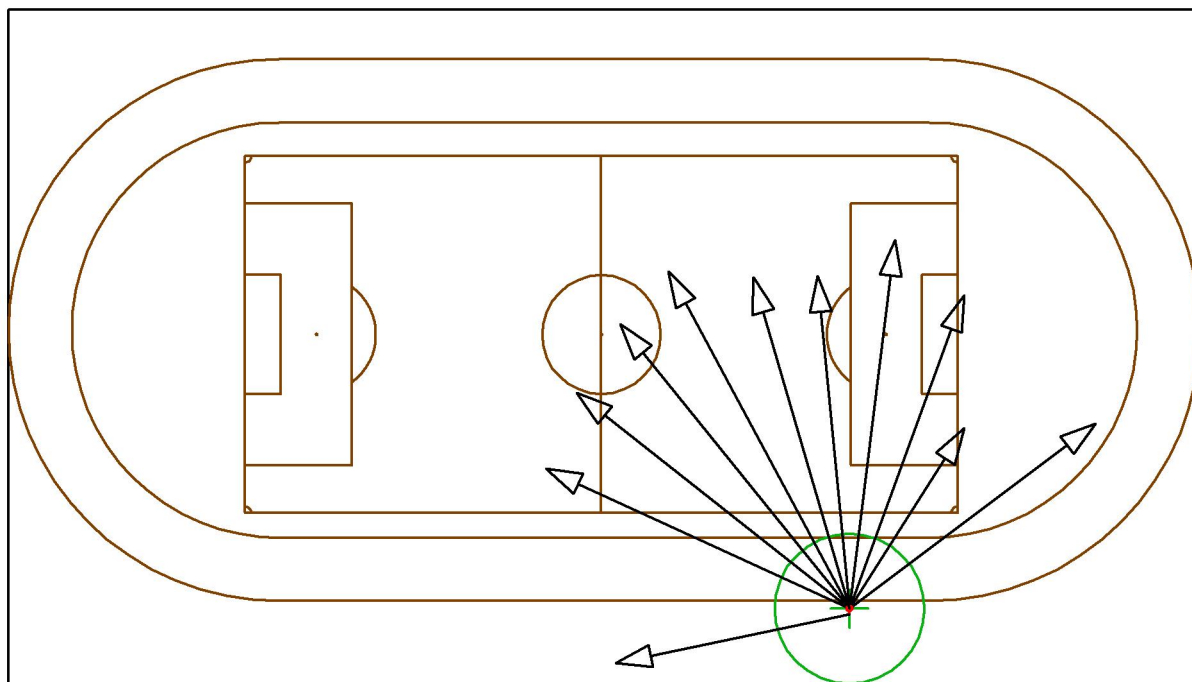
Pole Luminaires (Summary)

No.	Luminaire	Aiming Point [m]			Angle [°]	Alignment
		X	Y	Z		
5	MSL051200W48V57KBB44TR	4.297	-2.438	0.000	20.3	(C 90, G IMax)
6	MSL051200W48V57KBB44TR	-49.286	20.093	0.000	19.0	(C 90, G IMax)
7	MSL051200W48V57KBB44TR	-13.644	13.869	0.000	19.5	(C 90, G IMax)
8	MSL051200W48V57KBB44TR	-2.049	4.825	0.000	20.0	(C 90, G IMax)
9	MSL051200W48V57KBB44TR	7.103	-15.224	0.000	22.2	(C 90, G IMax)
10	MSL051200W48V57KBB44TR	-55.052	9.049	0.000	22.0	(C 90, G IMax)
11	MSL05600W48V57KBB44TR	-7.171	-44.969	0.000	34.2	(C 90, G IMax)



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Pole Luminaire (Summary)



Position: (37.772 m, -40.247 m, 0.000 m)

No.	Luminaire	Aiming Point [m]			Angle [°]	Alignment
		X	Y	Z		
1	MSL051200W48V57KBB44TR	-9.074	-18.702	0.000	22.5	(C 90, G IMax)
2	MSL051200W48V57KBB44TR	75.798	-11.725	0.000	24.2	(C 90, G IMax)
3	MSL051200W48V57KBB44TR	2.422	3.533	0.000	20.8	(C 90, G IMax)
4	MSL051200W48V57KBB44TR	9.871	11.674	0.000	19.9	(C 90, G IMax)



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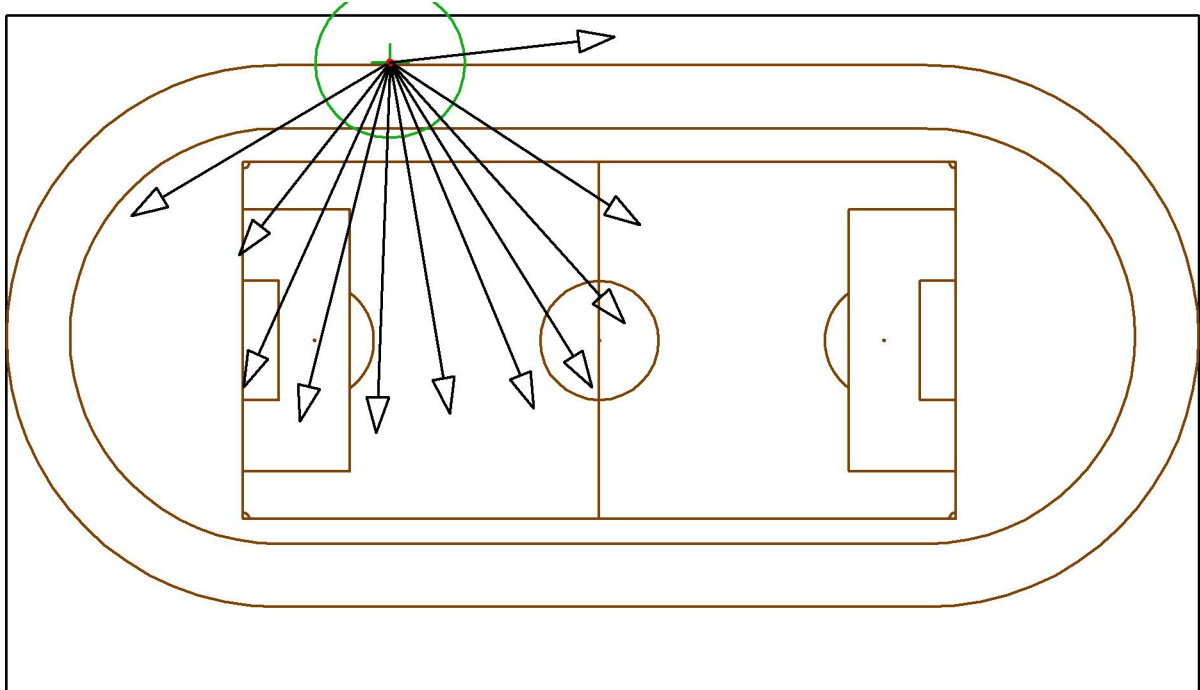
Pole Luminaires (Summary)

No.	Luminaire	Aiming Point [m]			Angle [°]	Alignment
		X	Y	Z		
5	MSL051200W48V57KBB44TR	55.470	8.045	0.000	22.5	(C 90, G IMax)
6	MSL051200W48V57KBB44TR	55.534	-12.444	0.000	32.9	(C 90, G IMax)
7	MSL051200W48V57KBB44TR	32.861	10.987	0.000	22.5	(C 90, G IMax)
8	MSL051200W48V57KBB44TR	44.798	16.577	0.000	20.4	(C 90, G IMax)
9	MSL051200W48V57KBB44TR	-4.281	-7.007	0.000	21.7	(C 90, G IMax)
10	MSL051200W48V57KBB44TR	22.925	10.781	0.000	21.9	(C 90, G IMax)
11	MSL05600W48V57KBB44TR	1.682	-48.647	0.000	30.1	(C 90, G IMax)



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Pole Luminaire (Summary)



Position: (-32.794 m, 44.778 m, 0.000 m)

No.	Luminaire	Aiming Point [m]			Angle [°]	Alignment
		X	Y	Z		
1	MSL051200W48V57KBB44TR	-72.691	21.233	0.000	24.7	(C 90, G IMax)
2	MSL051200W48V57KBB44TR	-55.439	-5.173	0.000	21.2	(C 90, G IMax)
3	MSL051200W48V57KBB44TR	-34.906	-12.236	0.000	20.5	(C 90, G IMax)
4	MSL051200W48V57KBB44TR	-10.593	-8.492	0.000	20.2	(C 90, G IMax)



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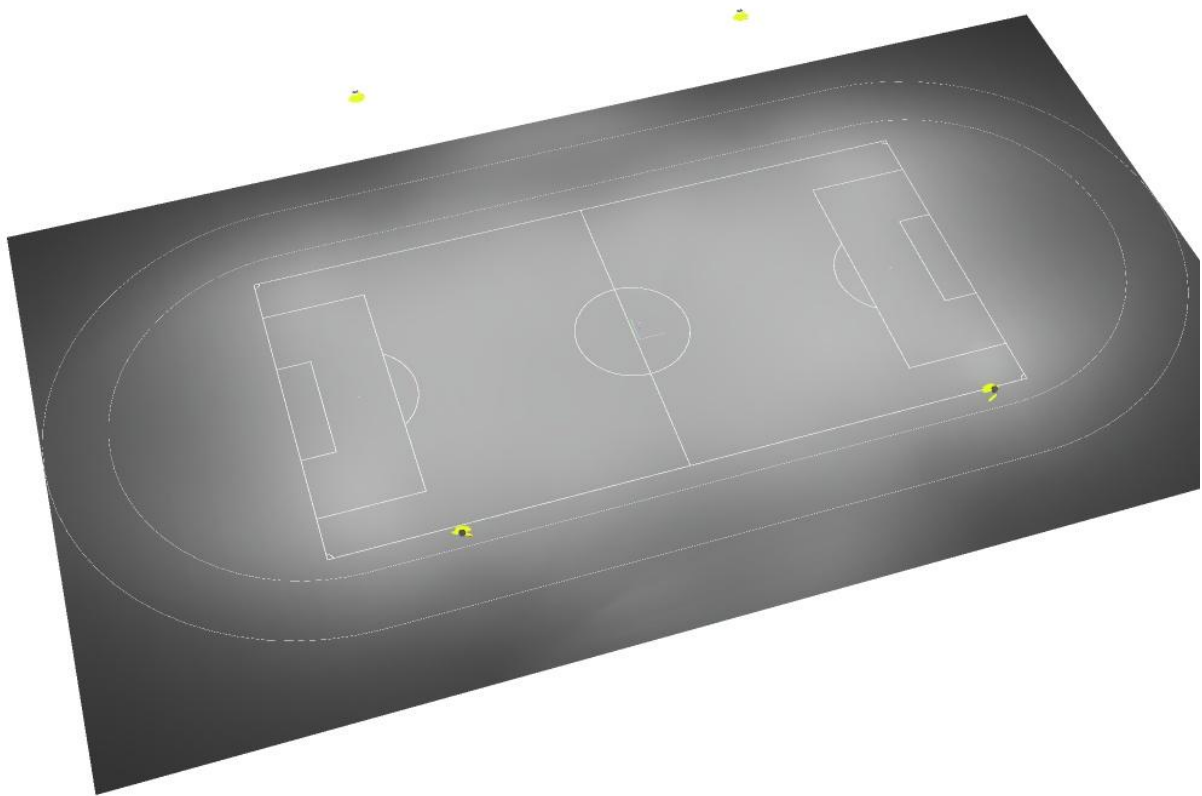
Pole Luminaires (Summary)

No.	Luminaire	Aiming Point [m]			Angle [°]	Alignment
		X	Y	Z		
5	MSL051200W48V57KBB44TR	-1.588	-5.190	0.000	19.9	(C 90, G IMax)
6	MSL051200W48V57KBB44TR	-46.679	-10.450	0.000	20.5	(C 90, G IMax)
7	MSL051200W48V57KBB44TR	-23.624	-9.235	0.000	21.2	(C 90, G IMax)
8	MSL051200W48V57KBB44TR	3.464	4.658	0.000	21.5	(C 90, G IMax)
9	MSL051200W48V57KBB44TR	5.763	19.800	0.000	24.9	(C 90, G IMax)
10	MSL051200W48V57KBB44TR	-56.120	15.175	0.000	29.4	(C 90, G IMax)
11	MSL05600W48V57KBB44TR	1.809	48.732	0.000	31.4	(C 90, G IMax)



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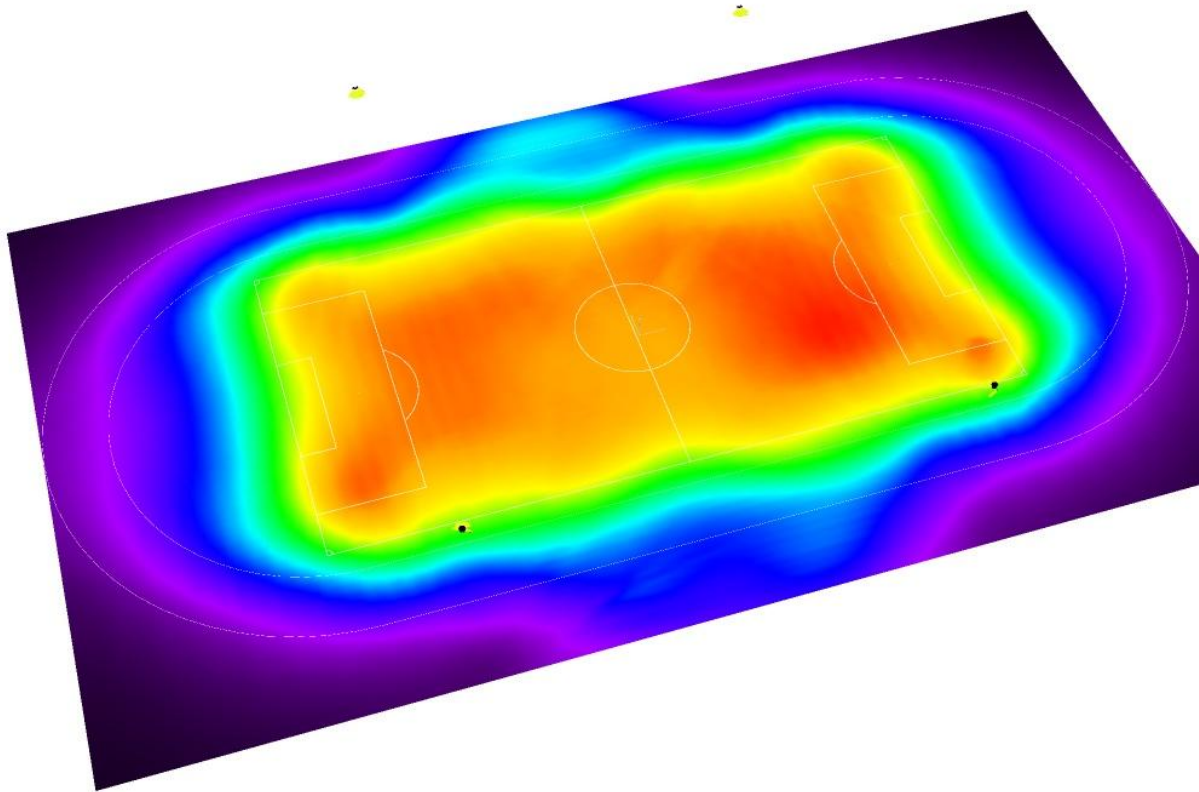
3D Rendering





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False Colour Rendering



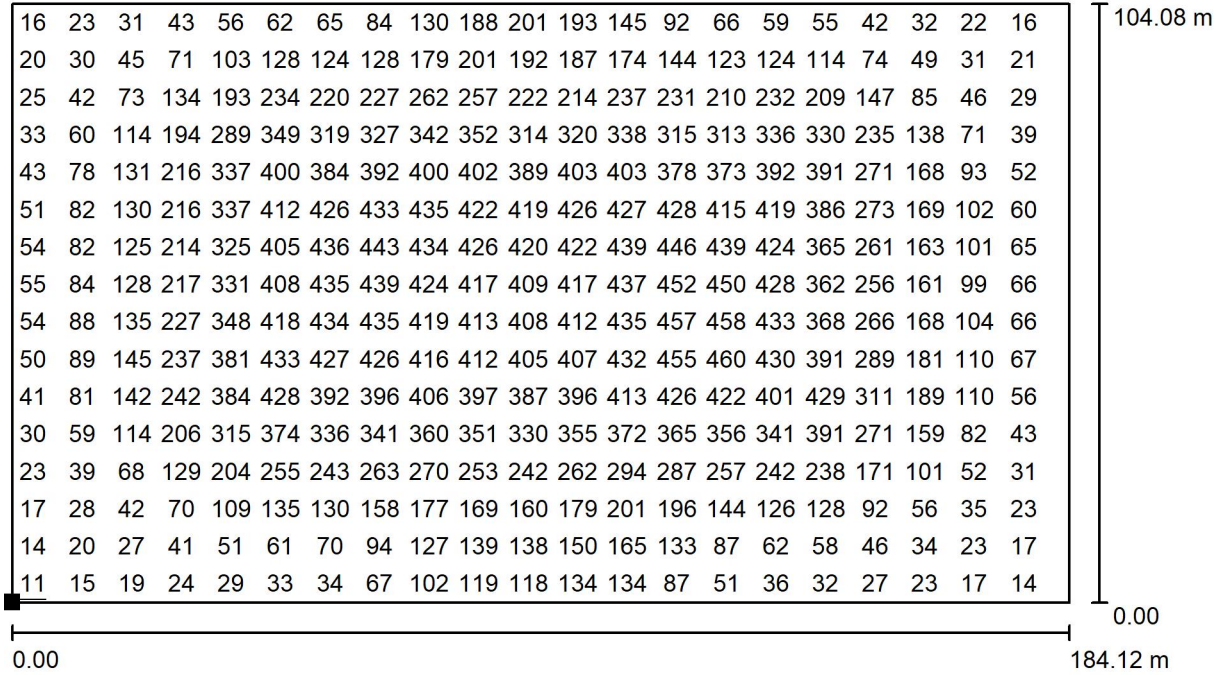
0 68.75 137.50 206.25 275 343.75 412.50 481.25 550

lx



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Ground / Surface 1 / Value Chart (E)



Values in Lux, Scale 1 : 1317

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point:
(-92.056 m, -52.039 m, 0.000 m)



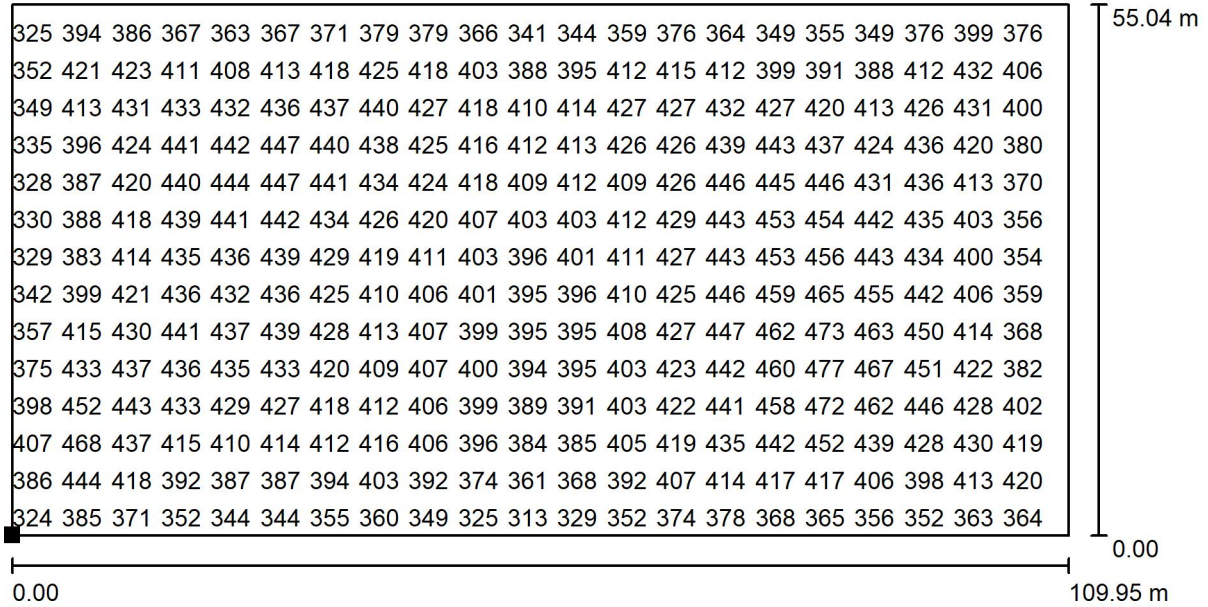
Grid: 128 x 128 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
212	11	470	0.050	0.023



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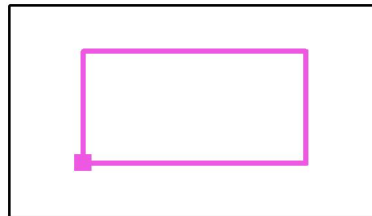
Playing field / Work area 1 / Value Chart (E)



Values in Lux, Scale 1 : 787

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point:
(-55.475 m, -25.520 m, 0.750 m)



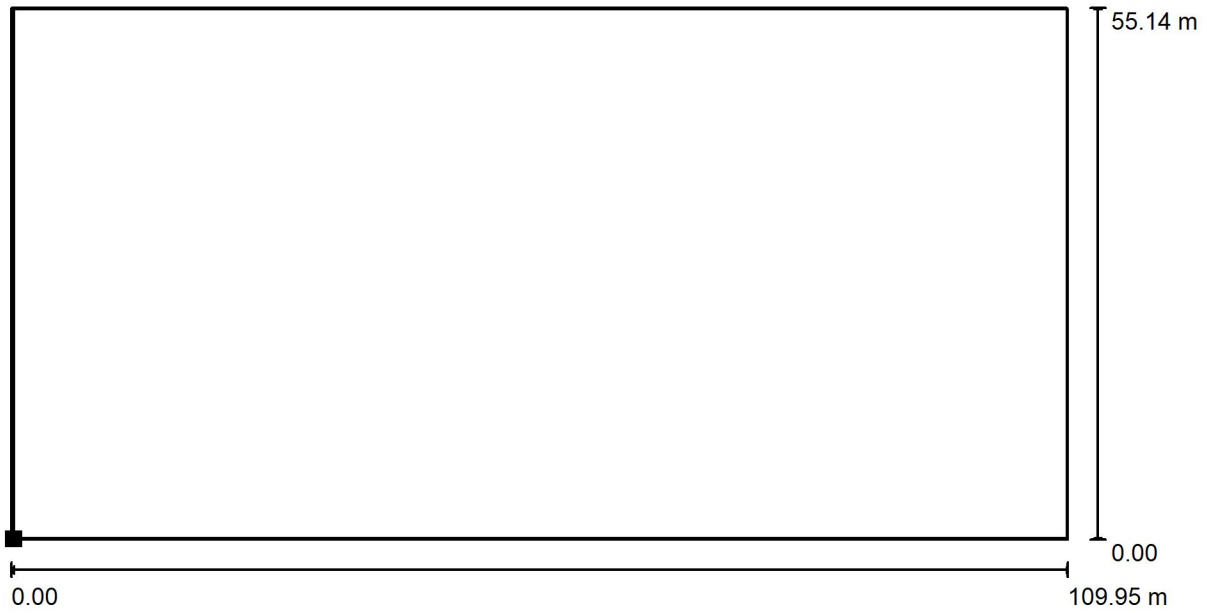
Grid: 128 x 128 Points

	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
Work area 1	407	288	483	0.707	0.596
Playing field	0.00	0.00	0.00	0.000	0.000



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Court / Surrounding Area 1 / Value Chart (E)



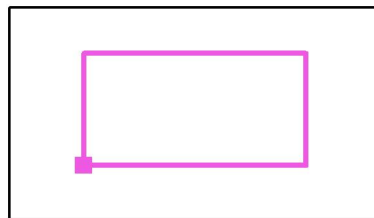
Values in Lux, Scale 1 : 787

Not all calculated values could be displayed.

Position of surface in external scene:

Marked point:

(-55.156 m, -25.619 m, 0.750 m)



Grid: 128 x 128 Points

E_{av} [lx]
0.00

E_{min} [lx]
0.00

E_{max} [lx]
0.00

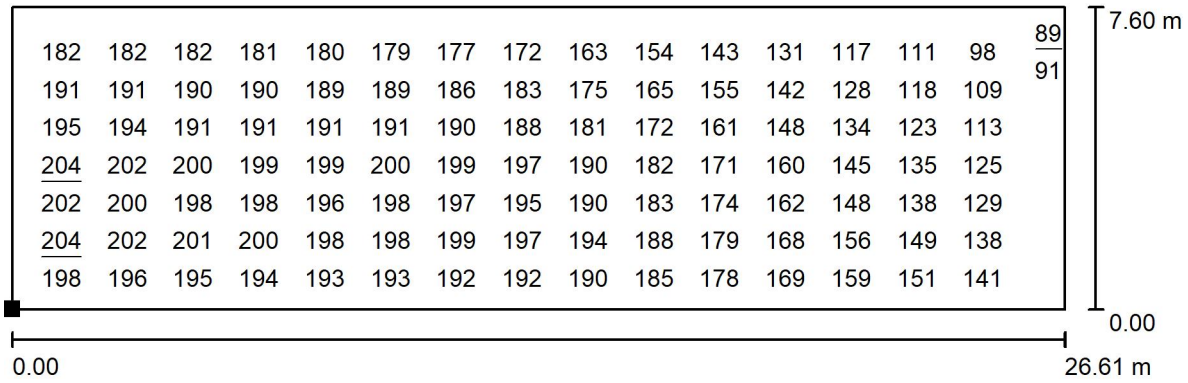
u0
0.000

E_{min} / E_{max}
0.000



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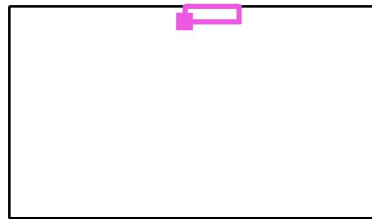
Audience Area 1 / Work Area 1 / Value Chart (E)



Values in Lux, Scale 1 : 191

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point:
(-5.219 m, 44.379 m, 0.750 m)



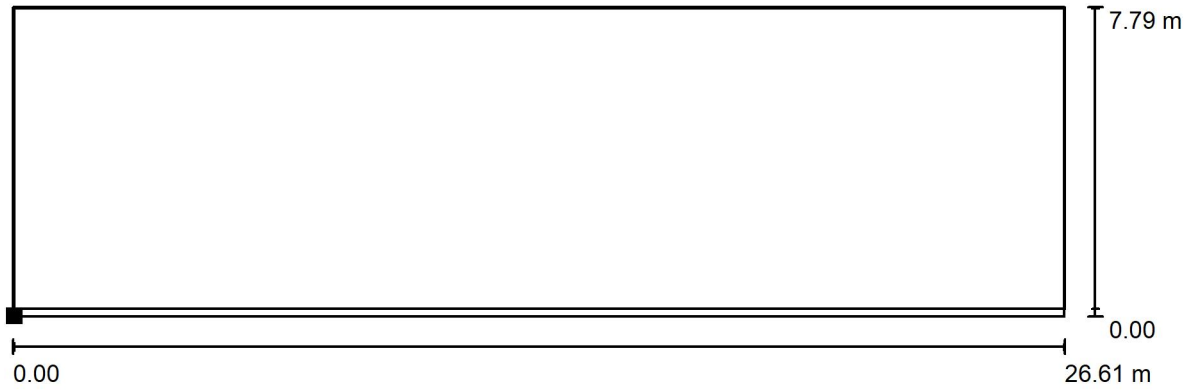
Grid: 32 x 16 Points

	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
Working area 1	168	89	204	0.527	0.435
Surrounding Area	0.00	0.00	0.00	0.000	0.000



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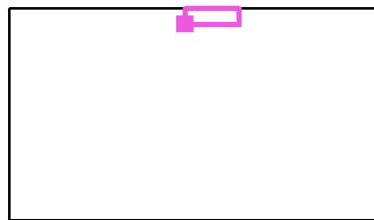
Auditorium 1 / Surrounding Area / Value Chart (E)



Values in Lux, Scale 1 : 191

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point:
(-5.169 m, 44.183 m, 0.750 m)



Grid: 32 x 16 Points

E_{av} [lx]
0.00

E_{min} [lx]
0.00

E_{max} [lx]
0.00

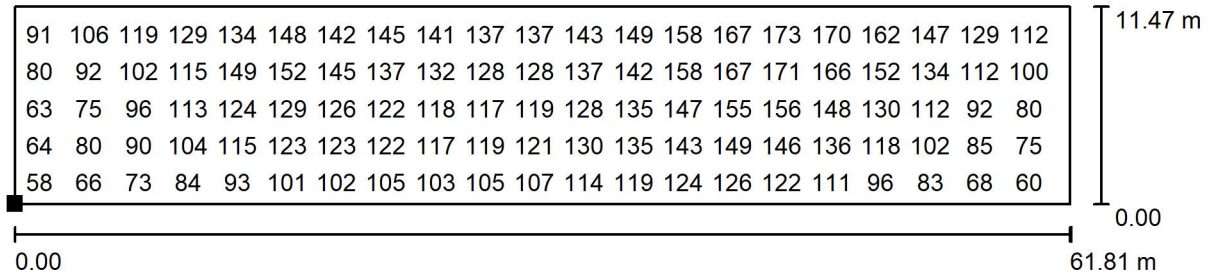
u0
0.000

E_{min} / E_{max}
0.000



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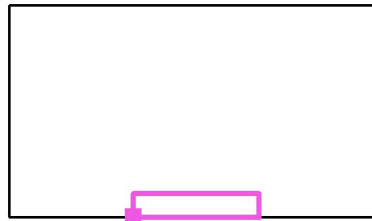
Auditorium 2 / Work Area 1 / Value Chart (E)



Values in Lux, Scale 1 : 442

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point:
(-30.621 m, -52.042 m, 0.750 m)



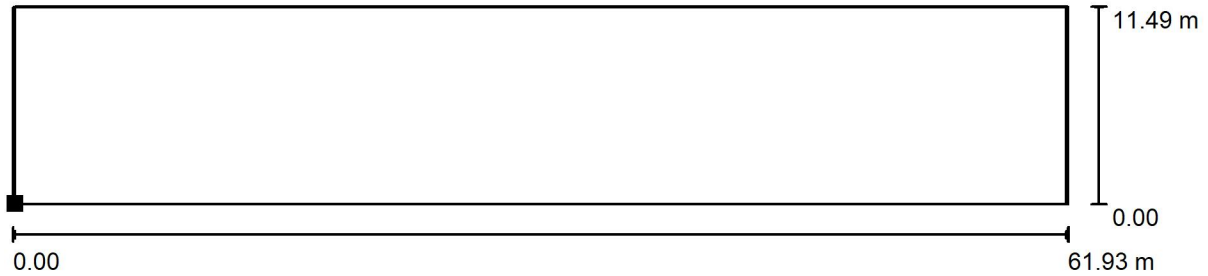
Grid: 64 x 16 Points

	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
Working area 1	121	55	176	0.457	0.315
Surrounding Area	0.00	0.00	0.00	0.000	0.000



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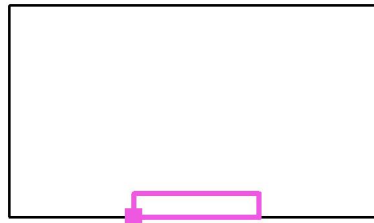
Auditorium 2 / Surround Area / Value Chart (E)



Values in Lux, Scale 1 : 443

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point:
(-30.470 m, -52.047 m, 0.750 m)



Grid: 64 x 16 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
0.00	0.00	0.00	0.000	0.000