

Billboard

Date: 18.08.2021
Operator:



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Billboard

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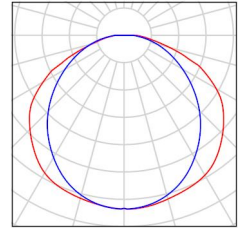


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Billboard / Luminaire parts list

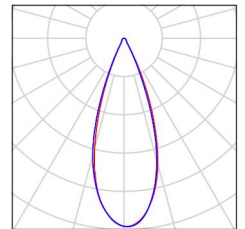
2 Pieces MIC OPTOELECTRONIC CO.,LTD MFL-G480
Led flood light 120 degree beam angle
Article No.: MFL-G480
Luminous flux (Luminaire): 65645 lm
Luminous flux (Lamps): 65615 lm
Luminaire Wattage: 477.6 W
Luminaire classification according to CIE: 100
CIE flux code: 44 75 93 100 100
Fitting: 1 x 3030 (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



4 Pieces MIC OPTOELECTRONIC CO.,LTD MFL-G480
Led flood light 40 degree beam angle
Article No.: MFL-G480
Luminous flux (Luminaire): 75611 lm
Luminous flux (Lamps): 75622 lm
Luminaire Wattage: 479.2 W
Luminaire classification according to CIE: 100
CIE flux code: 90 95 99 100 100
Fitting: 1 x 5050 (Correction Factor 1.000).

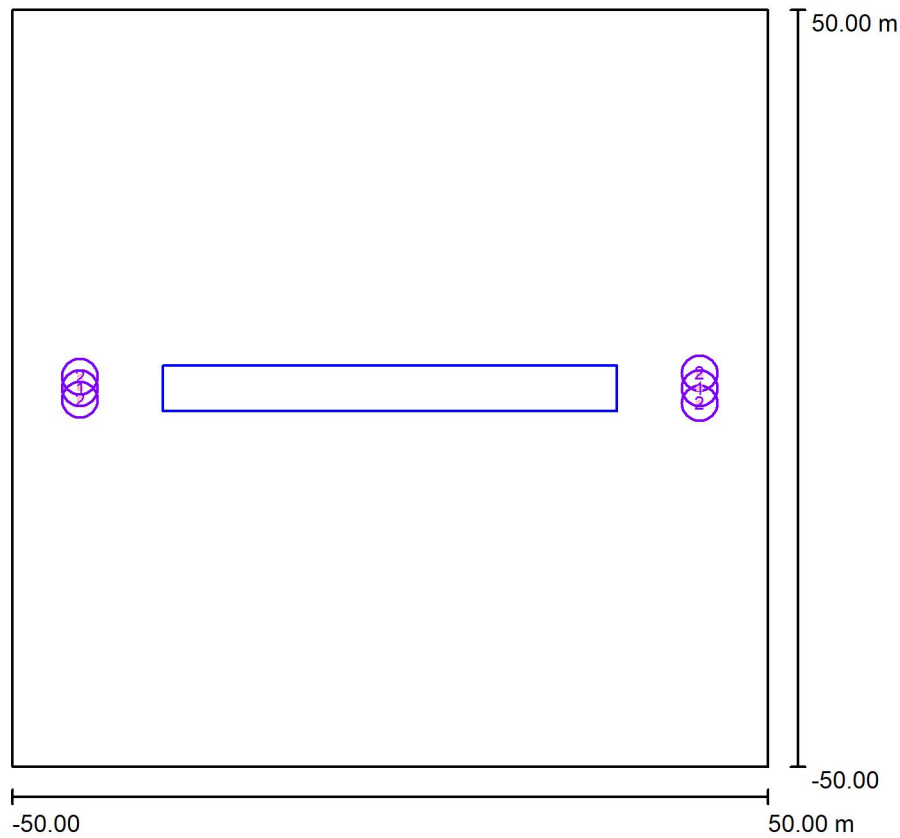
See our luminaire
catalog for an image of
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Billboard / Planning data



Light loss factor: 0.80, ULR (Upward Light Ratio): 70.5%

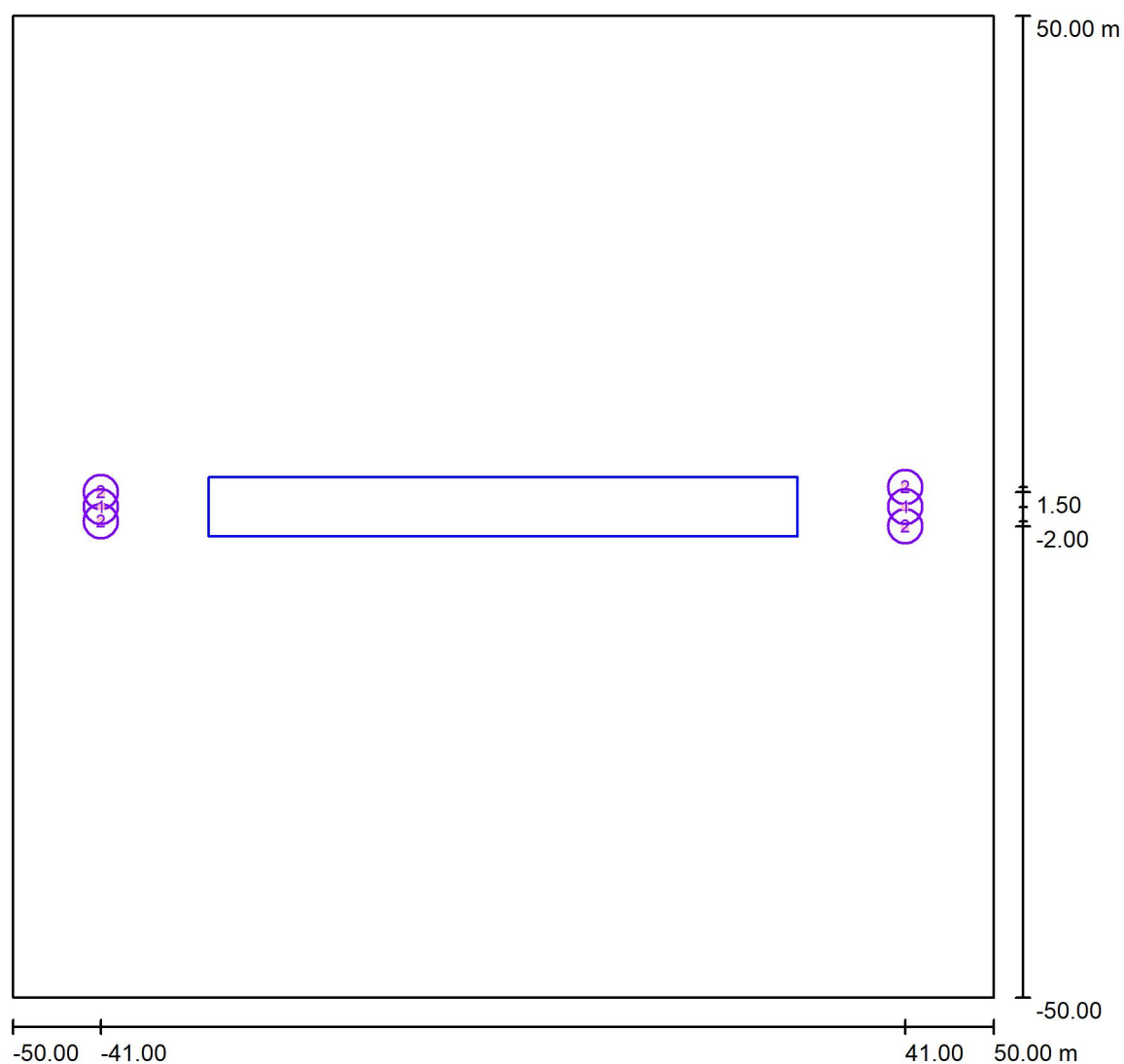
Scale 1:1000

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	MIC OPTOELECTRONIC CO.,LTD MFL-G480 Led flood light 120 degree beam angle (1.000)	65645	65615	477.6
2	4	MIC OPTOELECTRONIC CO.,LTD MFL-G480 Led flood light 40 degree beam angle (1.000)	75611	75622	479.2
Total:			433733	Total: 433718	2872.0



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Billboard / Luminaires (layout plan)

Scale 1 : 750

Luminaire Parts List

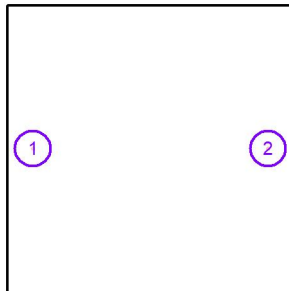
No.	Pieces	Designation
1	2	MIC OPTOELECTRONIC CO.,LTD MFL-G480 Led flood light 120 degree beam angle
2	4	MIC OPTOELECTRONIC CO.,LTD MFL-G480 Led flood light 40 degree beam angle



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Billboard / Luminaires (coordinates list)

MIC OPTOELECTRONIC CO.,LTD MFL-G480 Led flood light 120 degree beam angle
65645 lm, 477.6 W, 1 x 1 x 3030 (Correction Factor 1.000).



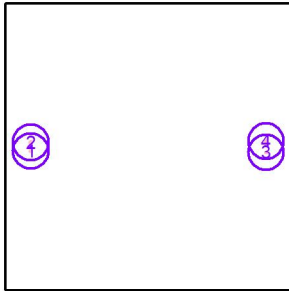
No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	-41.000	0.000	0.200	0.0	-130.0	0.0
2	41.000	0.000	0.200	0.0	130.0	0.0



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Billboard / Luminaires (coordinates list)

MIC OPTOELECTRONIC CO.,LTD MFL-G480 Led flood light 40 degree beam angle
75611 lm, 479.2 W, 1 x 1 x 5050 (Correction Factor 1.000).

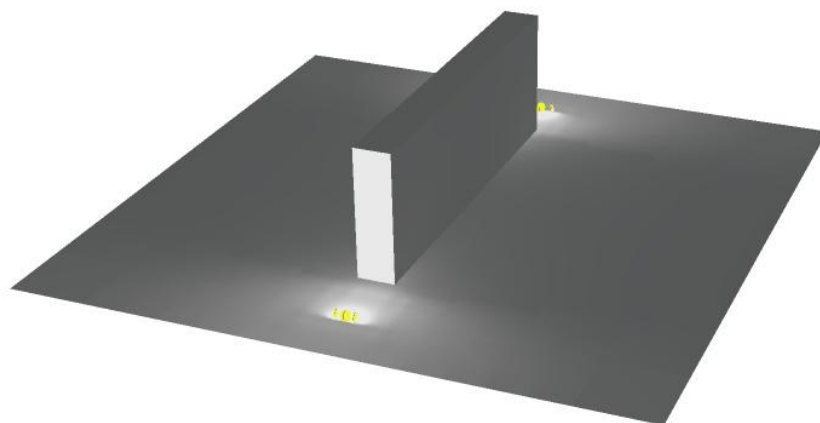


No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	-41.000	-1.500	0.200	0.0	-150.0	0.0
2	-41.000	1.500	0.200	0.0	-150.0	0.0
3	41.000	-2.000	0.200	0.0	150.0	0.0
4	41.000	2.000	0.200	0.0	150.0	0.0



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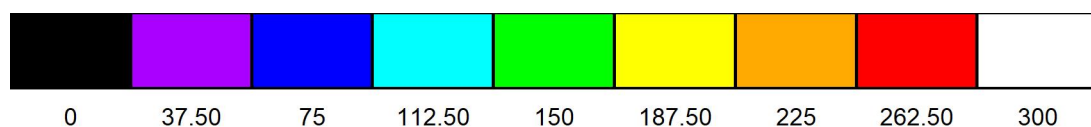
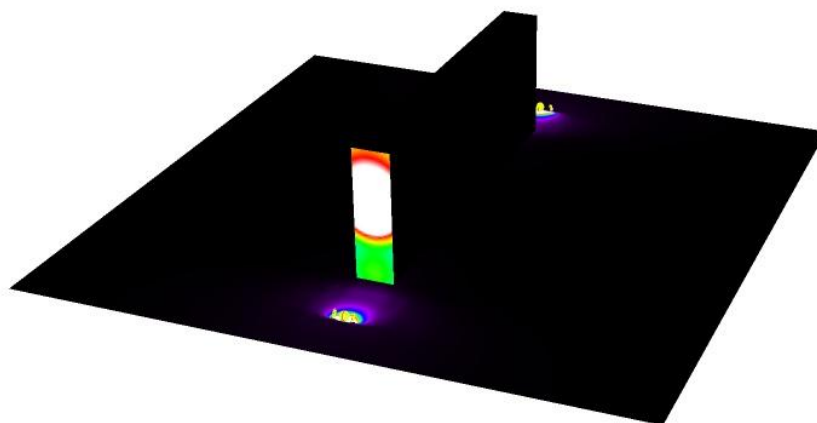
Billboard / 3D Rendering





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Billboard / False Color Rendering

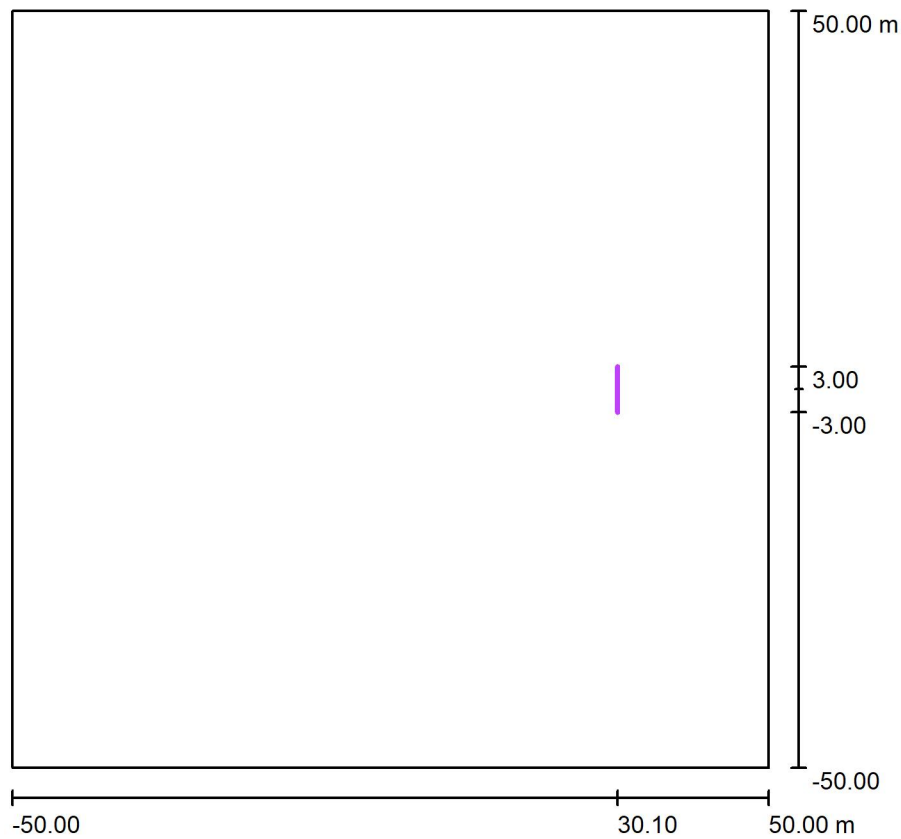


lx



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Billboard / Calculation Grid 1 / Summary



Scale 1 : 1000

Position: (30.100 m, 0.000 m, 11.500 m)
Size: (21.000 m, 6.000 m)
Rotation: (0.0°, 90.0°, 0.0°)
Type: Normal, Grid: 13 x 3 Points

Results overview

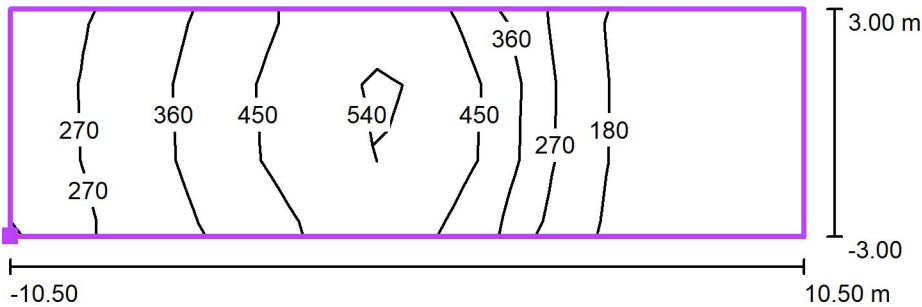
No.	Type	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}	$E_{h\ m} / E_m$	H [m]	Camera
1	perpendicular	327	138	585	0.42	0.24	/	0.000	/

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



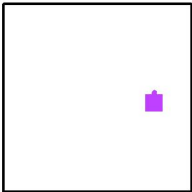
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Billboard / Calculation Grid 1 / Isolines (E, Perpendicular)



Values in Lux, Scale 1 : 200

Position of surface in external scene:
Marked point: (30.100 m, -3.000 m,
22.000 m)

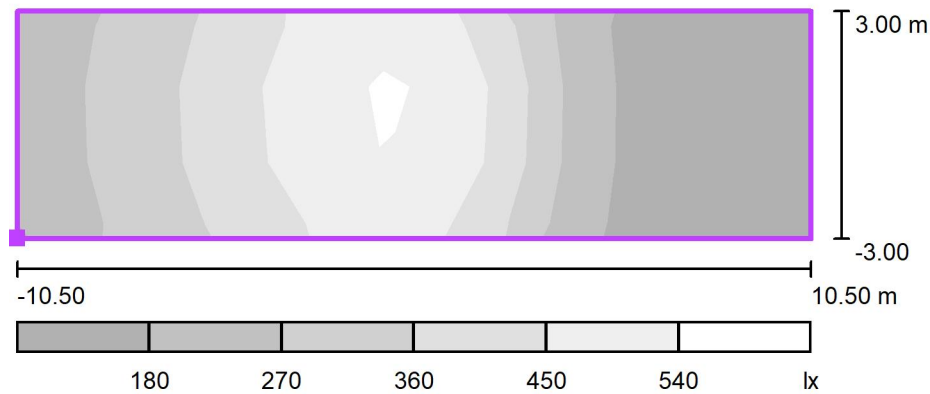


Grid: 13 x 3 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
327	138	585	0.42	0.24

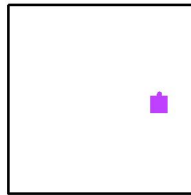


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Billboard / Calculation Grid 1 / Greyscale (E, Perpendicular)

Scale 1 : 200

Position of surface in external scene:
Marked point: (30.100 m, -3.000 m,
22.000 m)



Grid: 13 x 3 Points

E_{av} [lx]
327

E_{min} [lx]
138

E_{max} [lx]
585

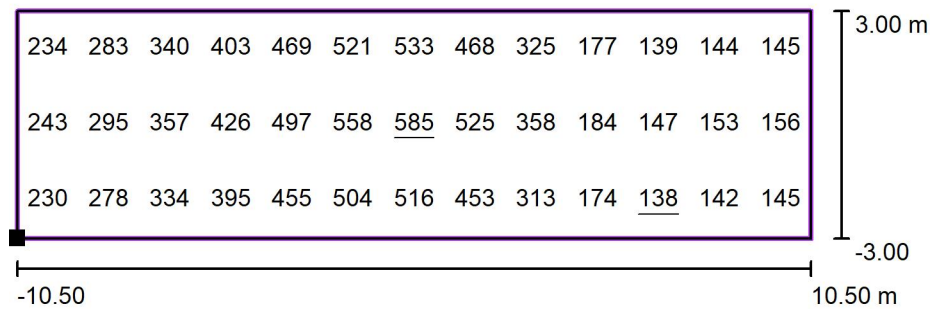
u_0
0.42

E_{min} / E_{max}
0.24



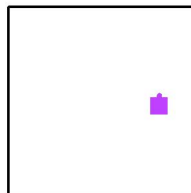
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Billboard / Calculation Grid 1 / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 200

Position of surface in external scene:
Marked point: (30.100 m, -3.000 m,
22.000 m)



Grid: 13 x 3 Points

E_{av} [lx]
327

E_{min} [lx]
138

E_{max} [lx]
585

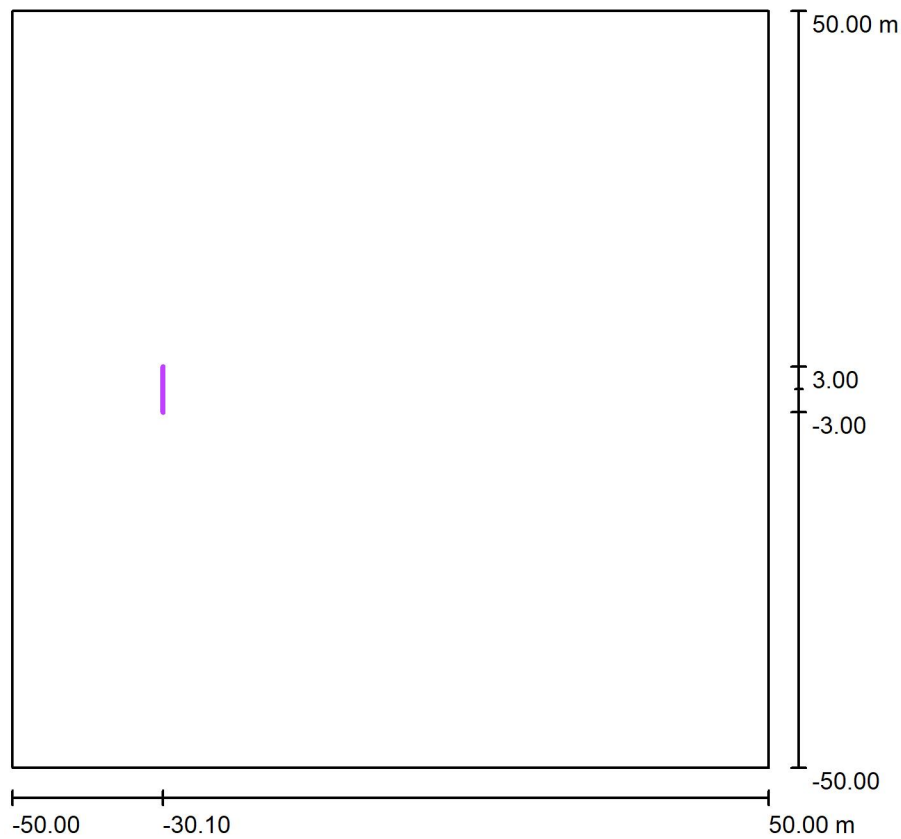
u_0
0.42

E_{min} / E_{max}
0.24



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Billboard / Calculation Grid 2 / Summary



Scale 1 : 1000

Position: (-30.100 m, 0.000 m, 11.500 m)
Size: (21.000 m, 6.000 m)
Rotation: (0.0°, -90.0°, 0.0°)
Type: Normal, Grid: 13 x 3 Points

Results overview

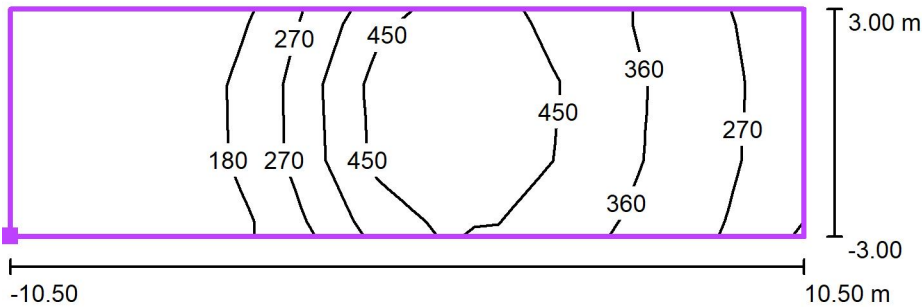
No.	Type	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}	$E_{h\ m} / E_m$	H [m]	Camera
1	perpendicular	312	141	557	0.45	0.25	/	0.000	/

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



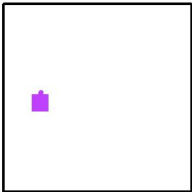
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Billboard / Calculation Grid 2 / Isolines (E, Perpendicular)



Values in Lux, Scale 1 : 200

Position of surface in external scene:
Marked point: (-30.100 m, -3.000 m,
1.000 m)



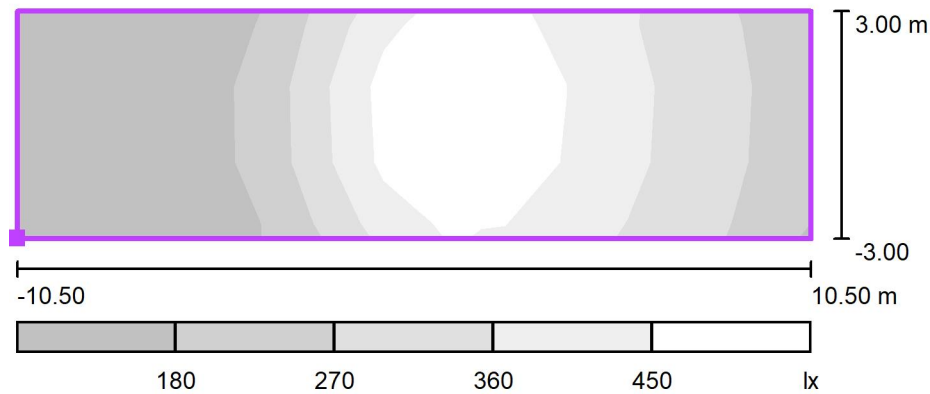
Grid: 13 x 3 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
312	141	557	0.45	0.25



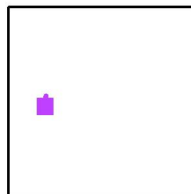
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Billboard / Calculation Grid 2 / Greyscale (E, Perpendicular)



Scale 1 : 200

Position of surface in external scene:
Marked point: (-30.100 m, -3.000 m,
1.000 m)



Grid: 13 x 3 Points

E_{av} [lx]
312

E_{min} [lx]
141

E_{max} [lx]
557

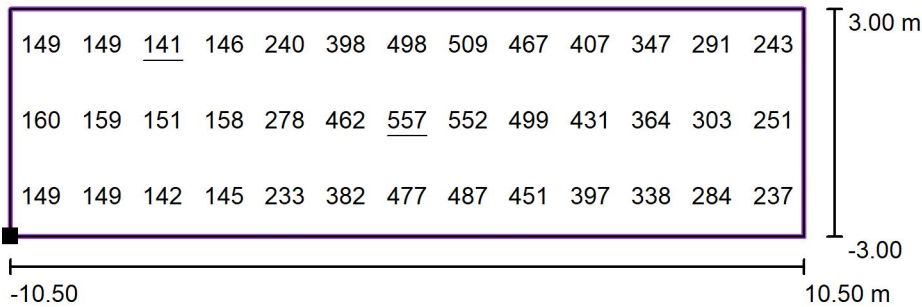
u_0
0.45

E_{min} / E_{max}
0.25



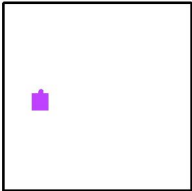
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Billboard / Calculation Grid 2 / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 200

Position of surface in external scene:
Marked point: (-30.100 m, -3.000 m, 1.000 m)



Grid: 13 x 3 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
312	141	557	0.45	0.25