

Firbank Dale Lawn Tennis Club

Maintenance factor: 0.9

Mounting height @ 6m

Partner for Contact:

Order No.:

Company:

Customer No.:

Date: 01.05.2026

Operator:



Operator
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e-Mail

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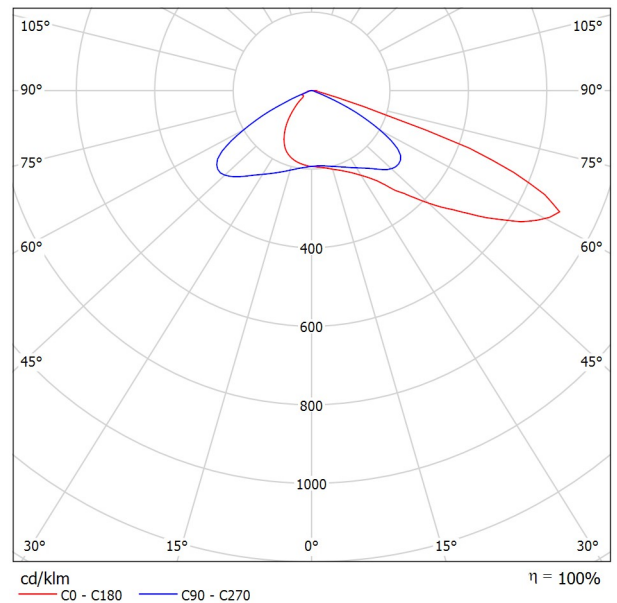


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Carbon8Lighting Athlima 480W T4B / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



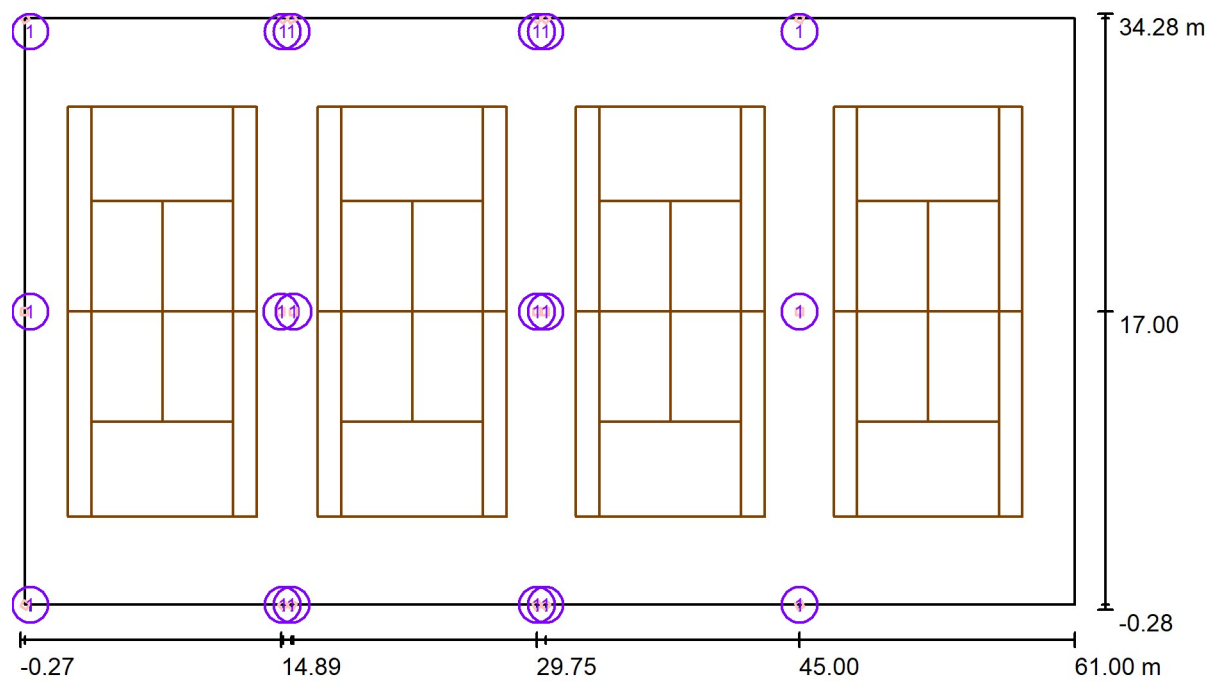
Luminaire classification according to CIE: 100
CIE flux code: 34 78 98 100 100

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



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Firbank Dale Lawn Tennis Club / Luminaires (layout plan)



Scale 1 : 439

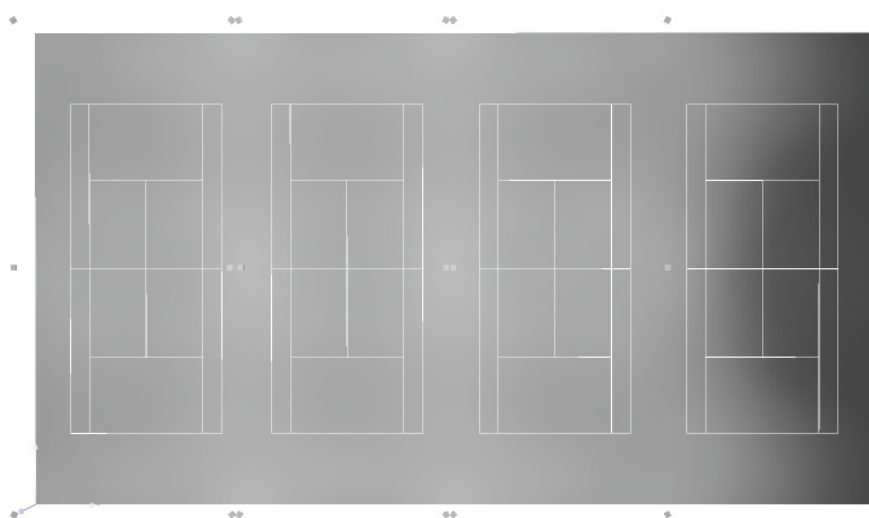
Luminaire Parts List

No.	Pieces	Designation
1	18	Carbon8Lighting Athlima 480W T4B



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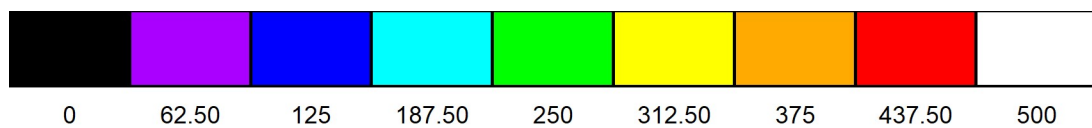
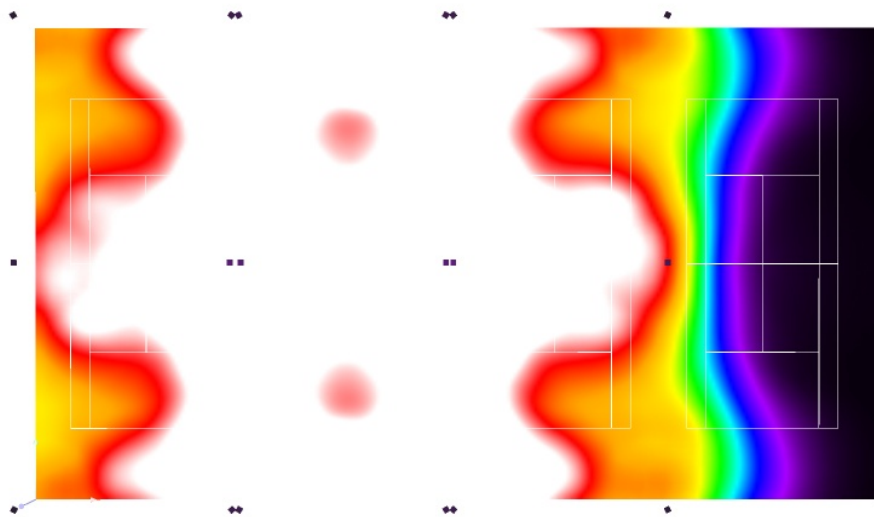
Firbank Dale Lawn Tennis Club / 3D Rendering





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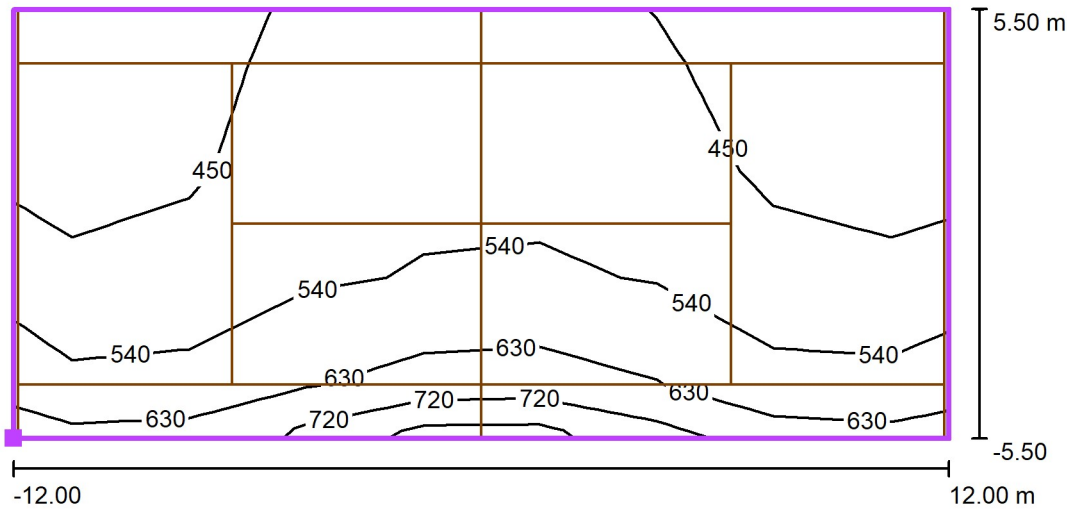
Firbank Dale Lawn Tennis Club / False Colour Rendering





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Firbank Dale Lawn Tennis Club / Tennis 1 Calculation Grid (PPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (13.500 m, 5.000 m,
0.000 m)



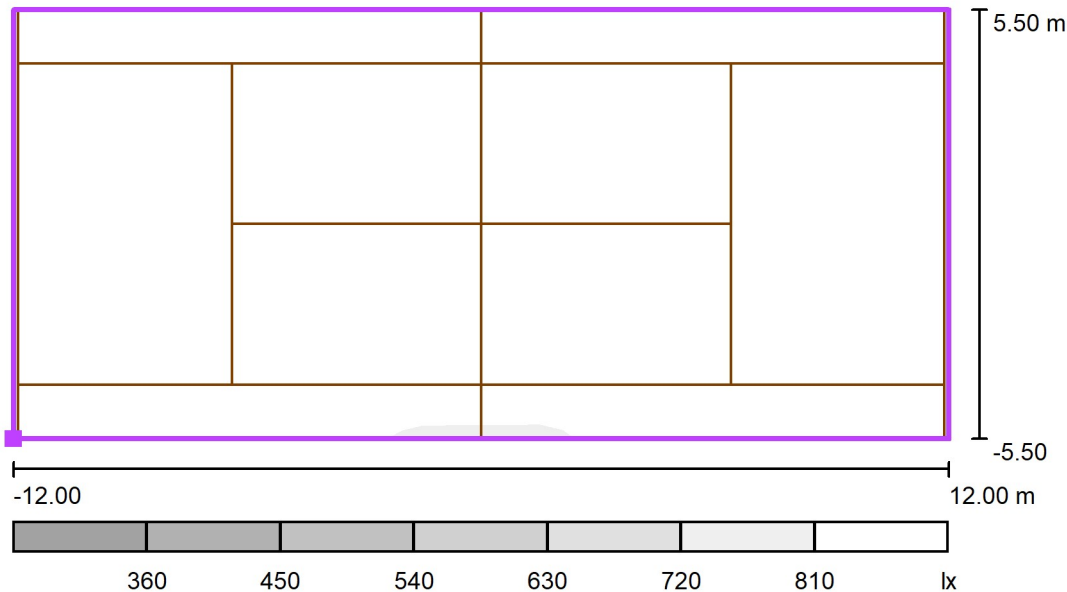
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
510	359	785	0.70	0.46



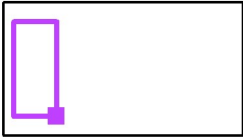
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Firbank Dale Lawn Tennis Club / Tennis 1 Calculation Grid (PPA) / Greyscale (E, Horizontal)



Scale 1 : 194

Position of surface in external scene:
Marked point: (13.500 m, 5.000 m,
0.000 m)



Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
510	359	785	0.70	0.46



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Firbank Dale Lawn Tennis Club / Tennis 1 Calculation Grid (PPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (13.500 m, 5.000 m, 0.000 m)



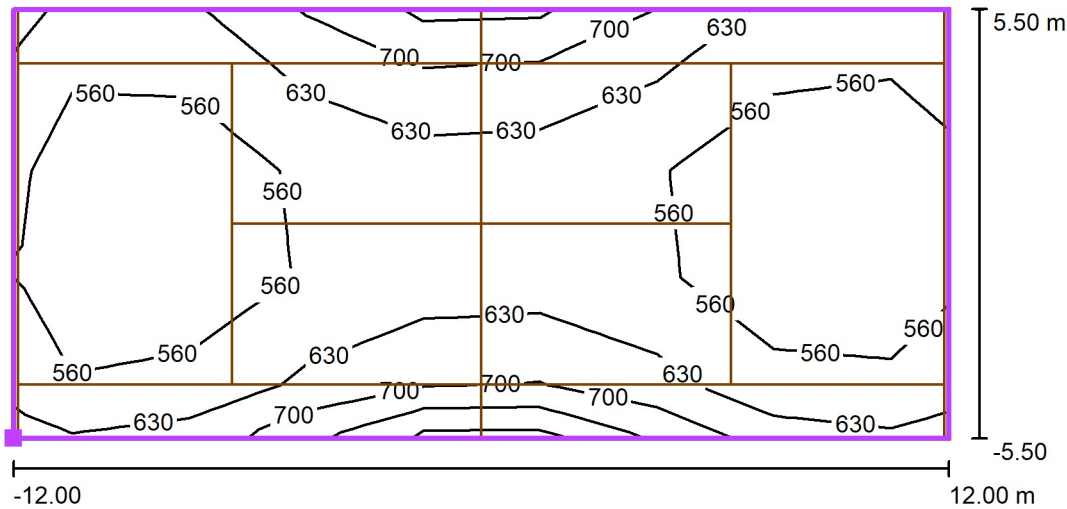
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
510	359	785	0.70	0.46



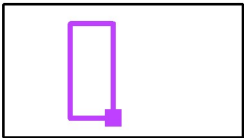
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Firbank Dale Lawn Tennis Club / Tennis 2 Calculation Grid (PPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (28.000 m, 5.000 m,
0.000 m)



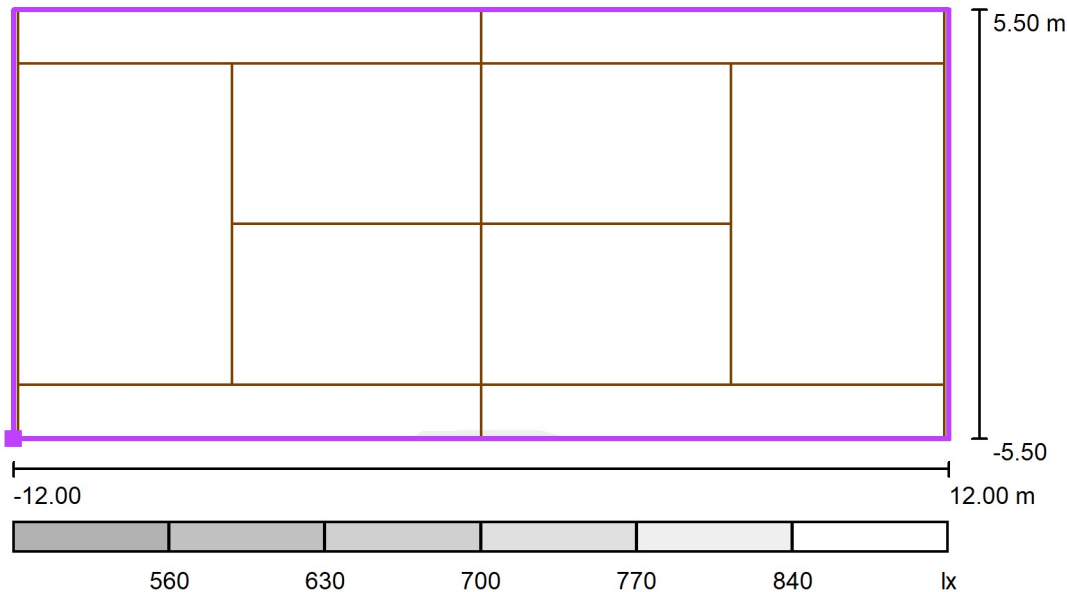
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
602	473	816	0.78	0.58



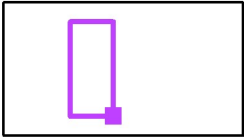
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Firbank Dale Lawn Tennis Club / Tennis 2 Calculation Grid (PPA) / Greyscale (E, Horizontal)



Scale 1 : 194

Position of surface in external scene:
Marked point: (28.000 m, 5.000 m,
0.000 m)



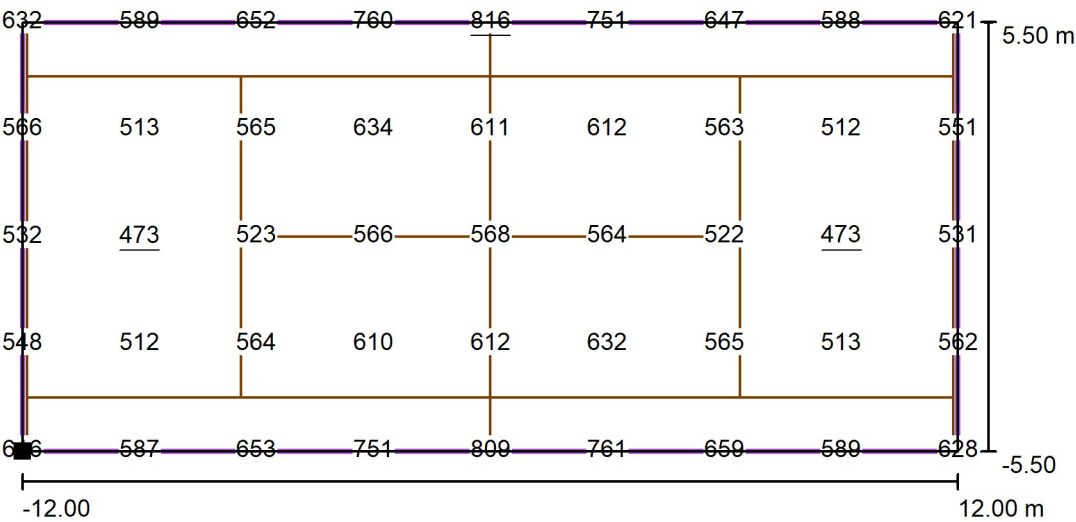
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
602	473	816	0.78	0.58



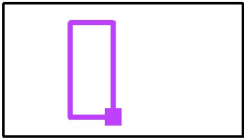
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Firbank Dale Lawn Tennis Club / Tennis 2 Calculation Grid (PPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (28.000 m, 5.000 m, 0.000 m)



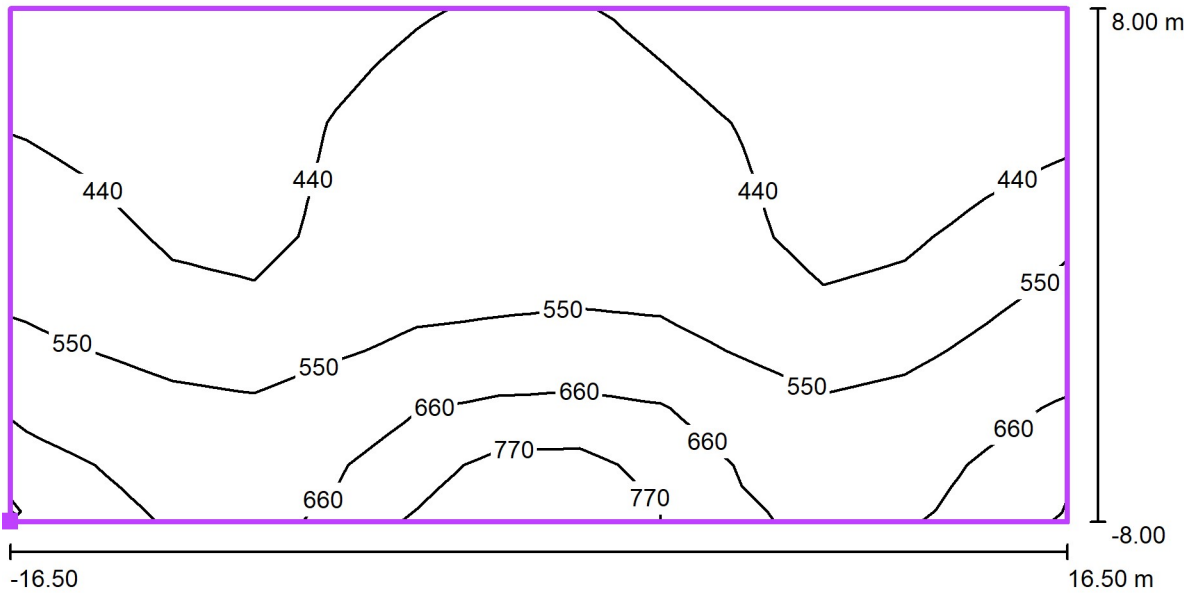
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
602	473	816	0.78	0.58



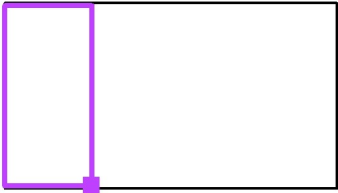
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Firbank Dale Lawn Tennis Club / Tennis 1 Calculation Grid (TPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (16.000 m, 0.500 m,
0.000 m)



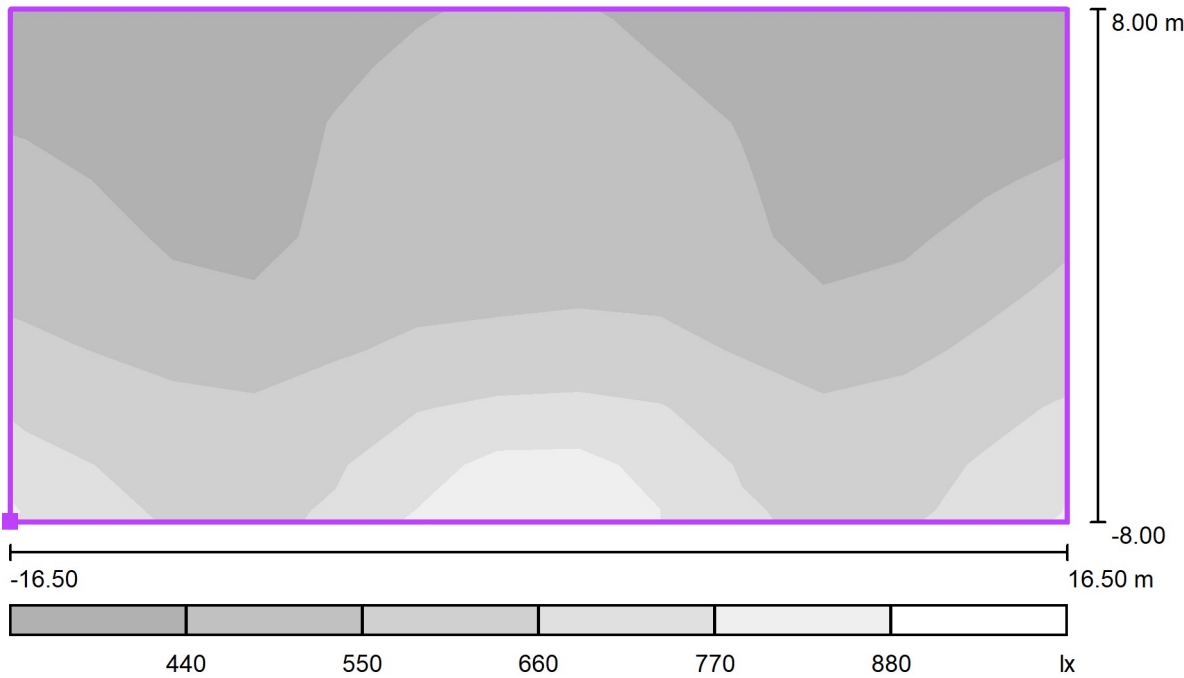
Grid: 13 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
516	331	875	0.64	0.38



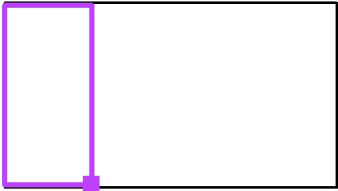
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Firbank Dale Lawn Tennis Club / Tennis 1 Calculation Grid (TPA) / Greyscale (E, Horizontal)



Scale 1 : 236

Position of surface in external scene:
Marked point: (16.000 m, 0.500 m, 0.000 m)



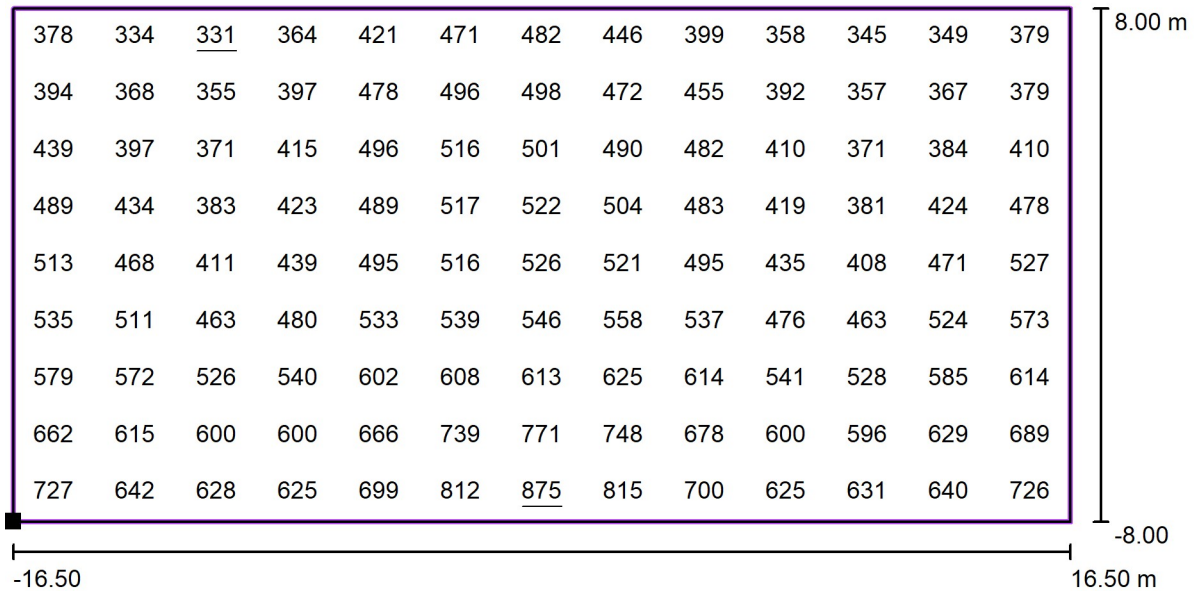
Grid: 13 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
516	331	875	0.64	0.38



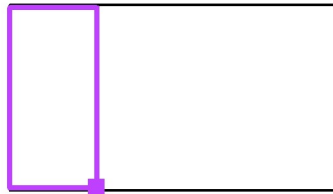
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Firbank Dale Lawn Tennis Club / Tennis 1 Calculation Grid (TPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (16.000 m, 0.500 m,
0.000 m)



Grid: 13 x 9 Points

E_{av} [lx]
516

E_{min} [lx]
331

E_{max} [lx]
875

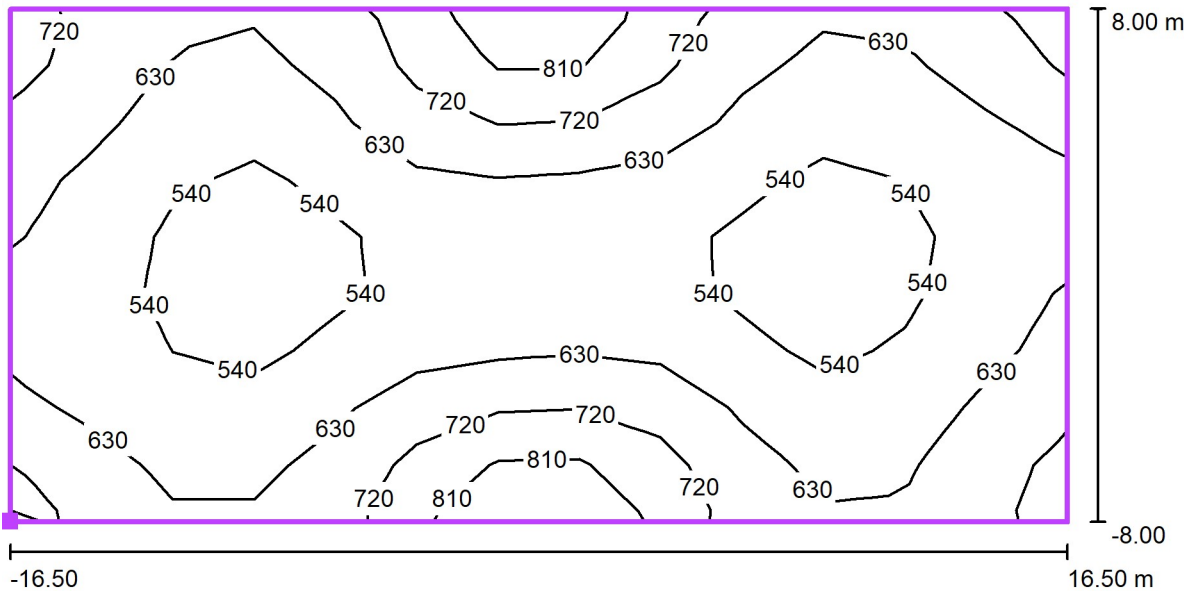
u_0
0.64

E_{min} / E_{max}
0.38



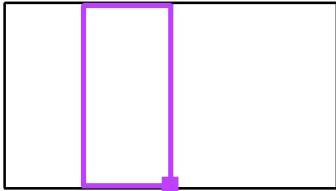
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Firbank Dale Lawn Tennis Club / Tennis 2 Calculation Grid (TPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (30.500 m, 0.500 m,
0.000 m)



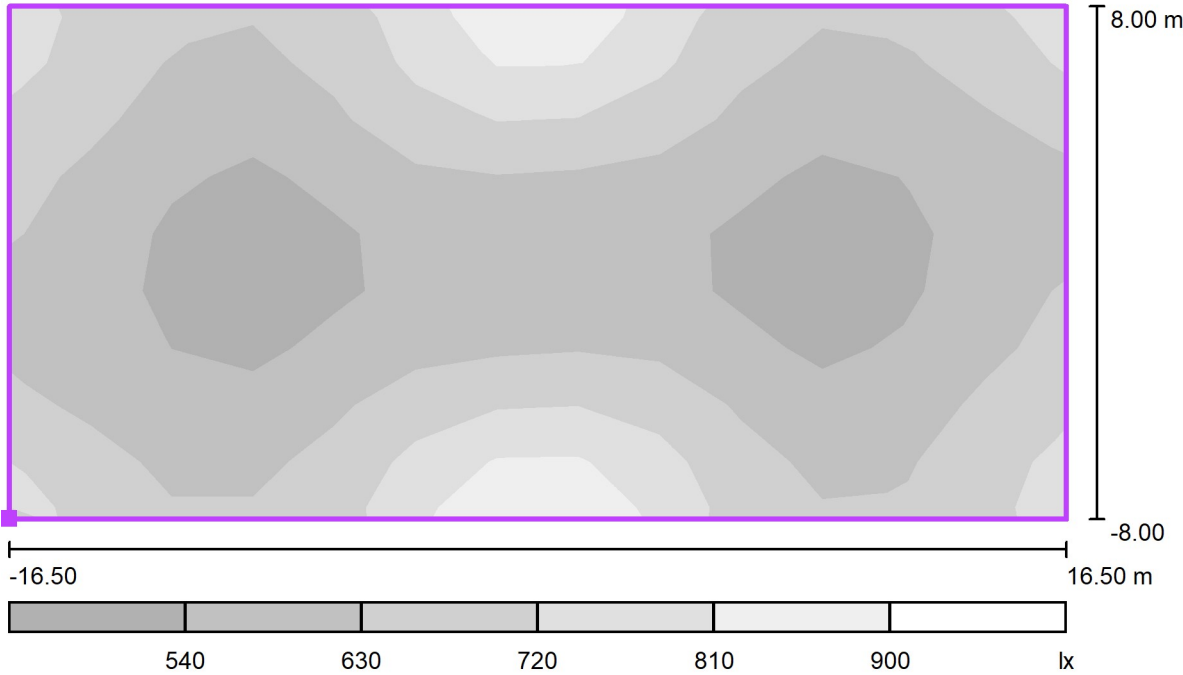
Grid: 13 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
623	470	888	0.75	0.53



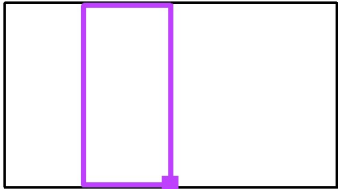
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Firbank Dale Lawn Tennis Club / Tennis 2 Calculation Grid (TPA) / Greyscale (E, Horizontal)



Scale 1 : 236

Position of surface in external scene:
Marked point: (30.500 m, 0.500 m, 0.000 m)



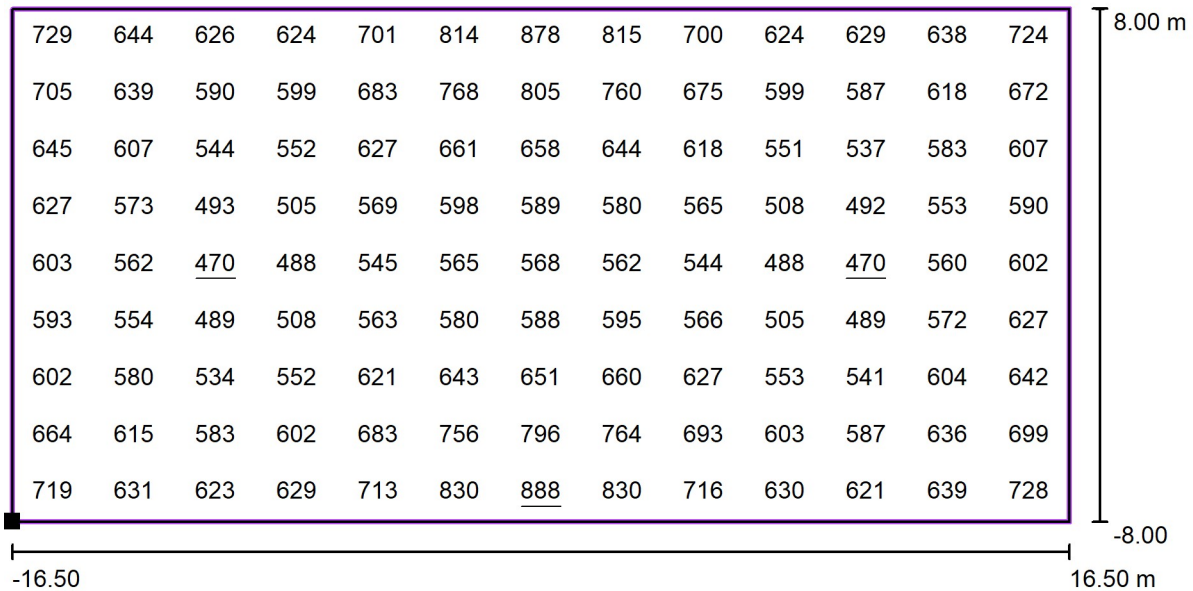
Grid: 13 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
623	470	888	0.75	0.53



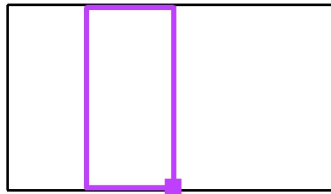
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Firbank Dale Lawn Tennis Club / Tennis 2 Calculation Grid (TPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (30.500 m, 0.500 m,
0.000 m)



Grid: 13 x 9 Points

E_{av} [lx]
623

E_{min} [lx]
470

E_{max} [lx]
888

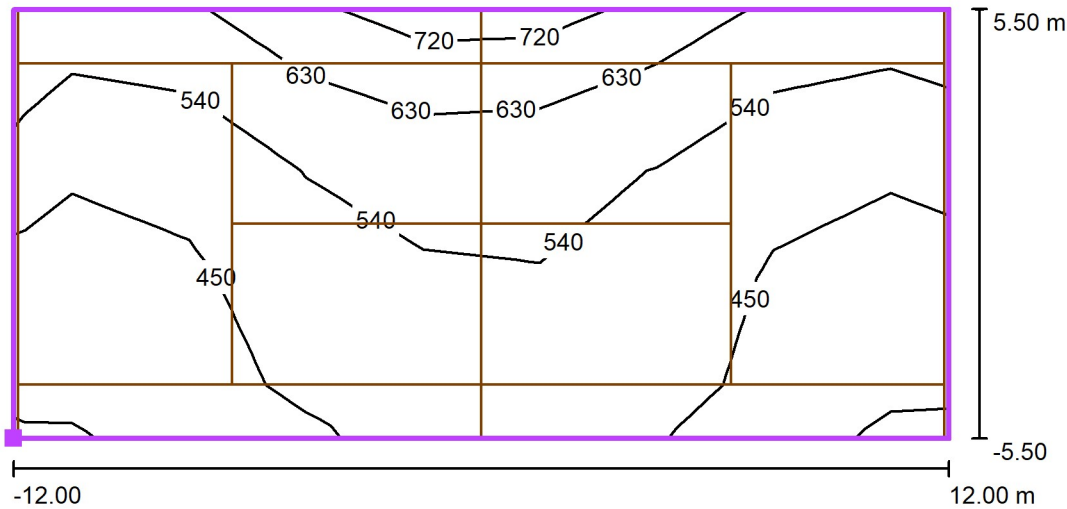
u_0
0.75

E_{min} / E_{max}
0.53



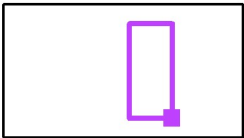
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Firbank Dale Lawn Tennis Club / Tennis 3 Calculation Grid (PPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (42.994 m, 5.000 m,
0.000 m)



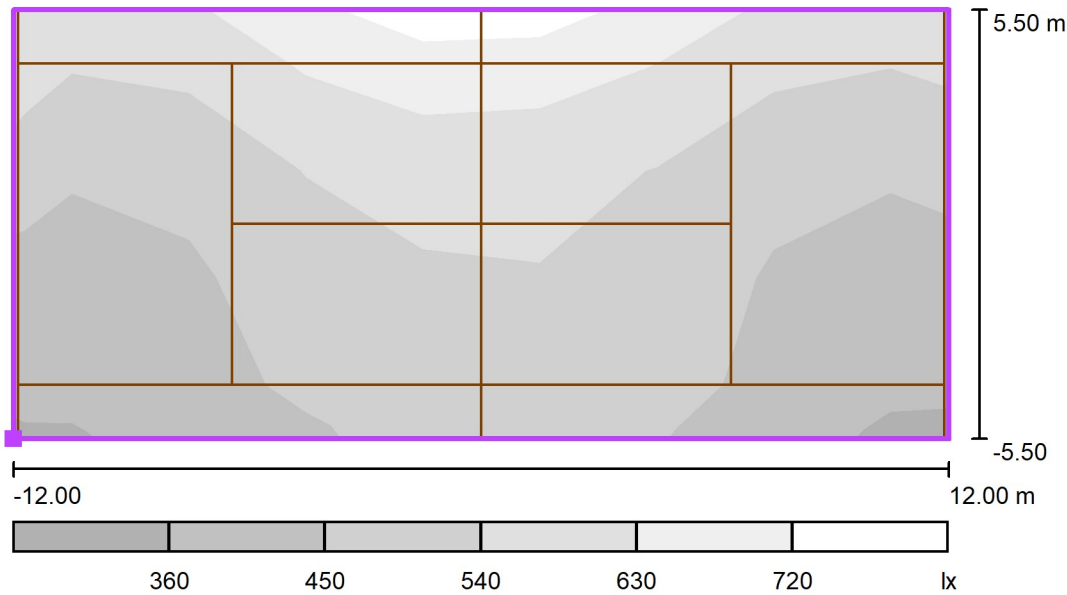
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
511	356	789	0.70	0.45



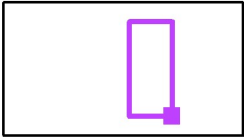
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Firbank Dale Lawn Tennis Club / Tennis 3 Calculation Grid (PPA) / Greyscale (E, Horizontal)



Scale 1 : 194

Position of surface in external scene:
Marked point: (42.994 m, 5.000 m,
0.000 m)



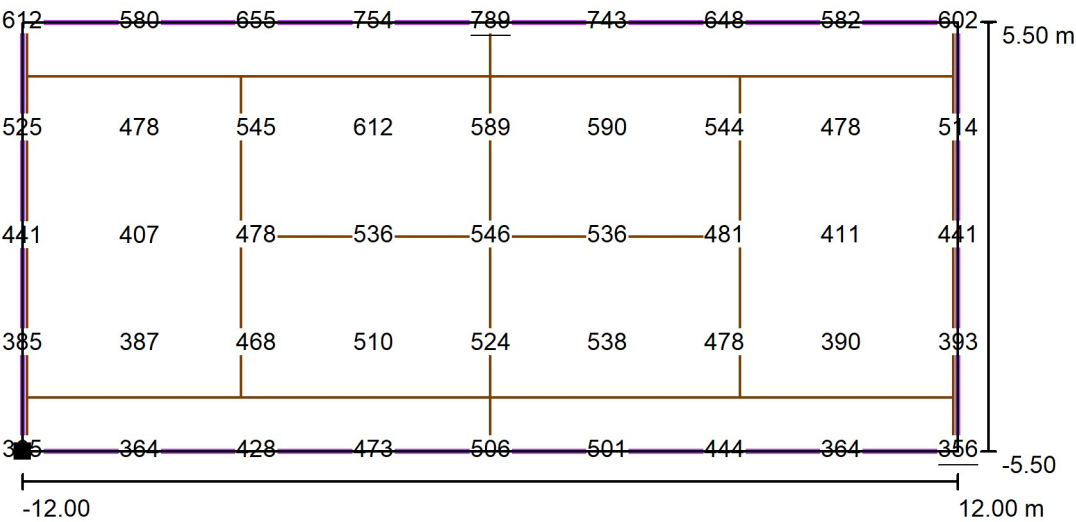
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
511	356	789	0.70	0.45



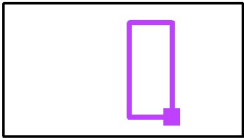
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Firbank Dale Lawn Tennis Club / Tennis 3 Calculation Grid (PPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (42.994 m, 5.000 m, 0.000 m)



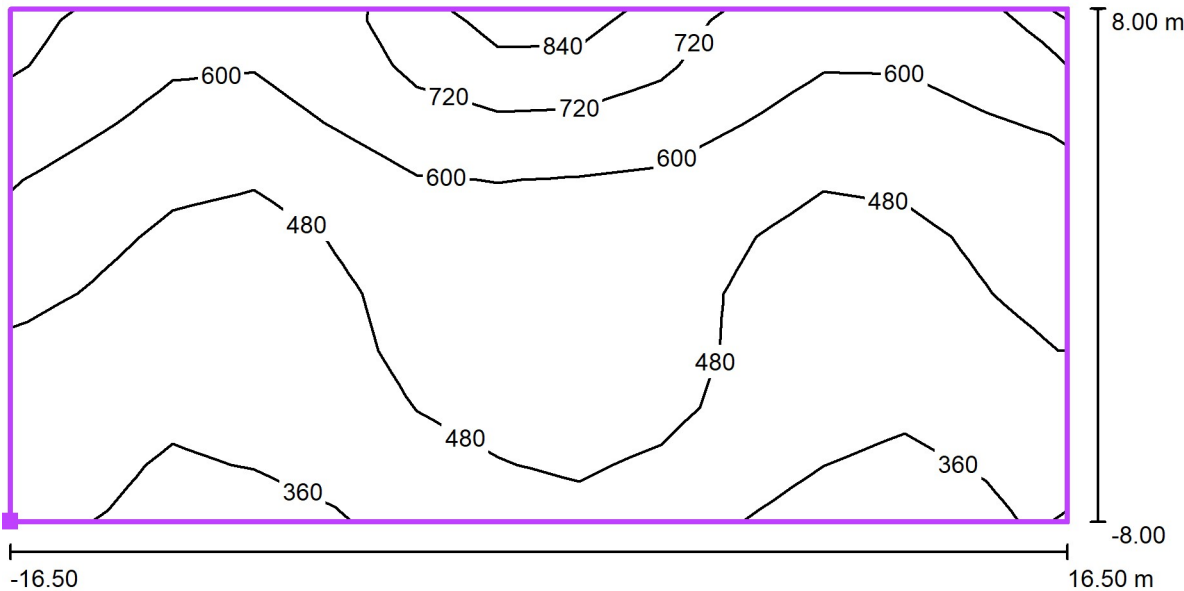
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
511	356	789	0.70	0.45



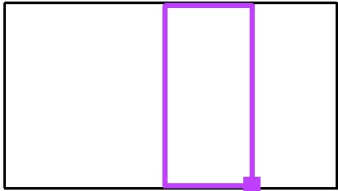
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Firbank Dale Lawn Tennis Club / Tennis 3 Calculation Grid (TPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (45.494 m, 0.500 m, 0.000 m)



Grid: 13 x 9 Points

E_{av} [lx]
516

E_{min} [lx]
330

E_{max} [lx]
882

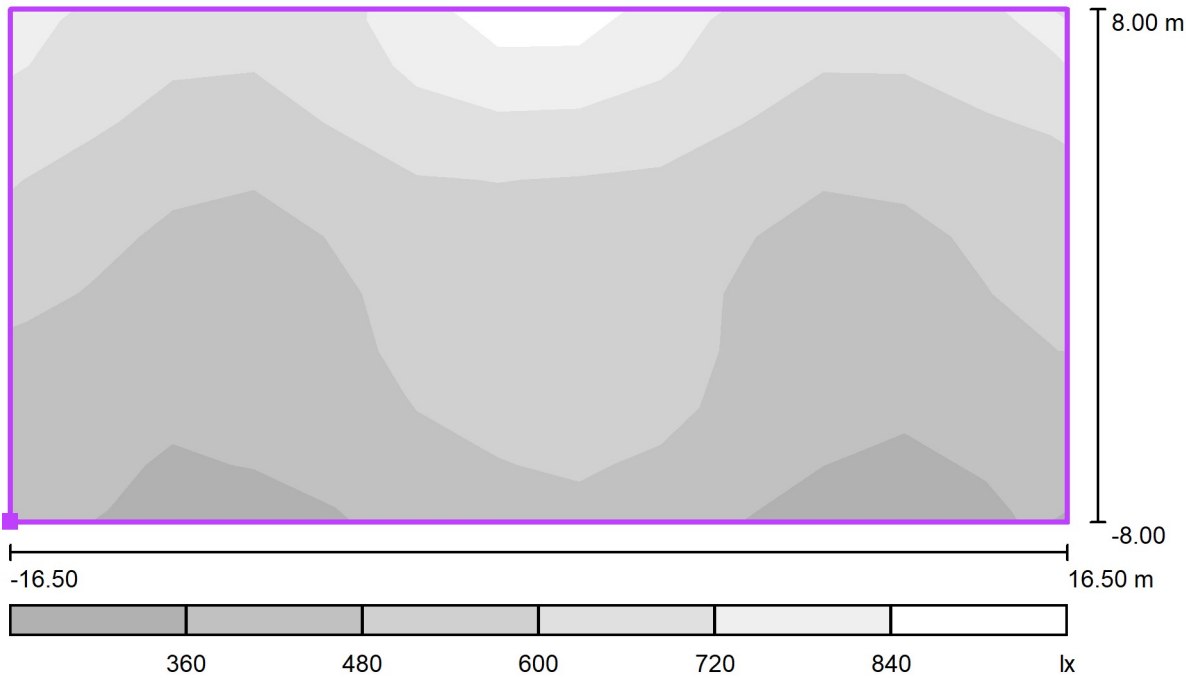
u_0
0.64

E_{min} / E_{max}
0.37



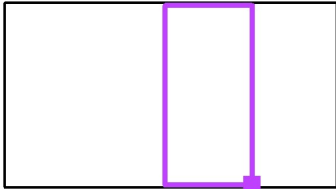
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Firbank Dale Lawn Tennis Club / Tennis 3 Calculation Grid (TPA) / Greyscale (E, Horizontal)



Scale 1 : 236

Position of surface in external scene:
Marked point: (45.494 m, 0.500 m, 0.000 m)



Grid: 13 x 9 Points

E_{av} [lx]
516

E_{min} [lx]
330

E_{max} [lx]
882

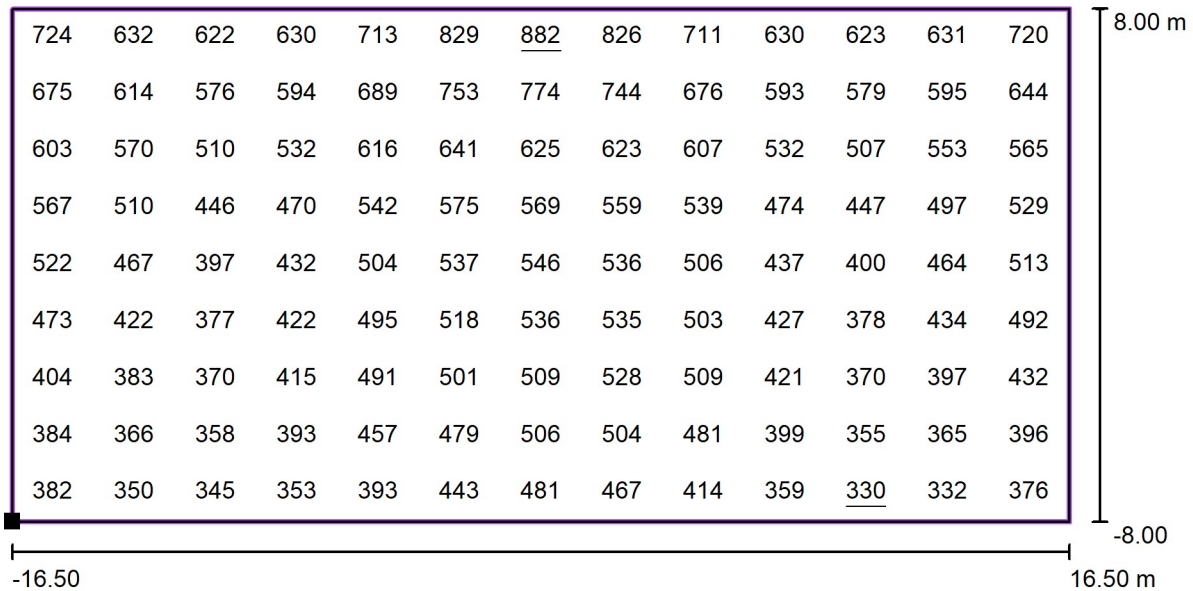
u_0
0.64

E_{min} / E_{max}
0.37



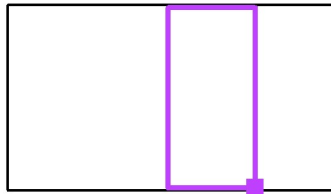
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Firbank Dale Lawn Tennis Club / Tennis 3 Calculation Grid (TPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (45.494 m, 0.500 m,
0.000 m)



Grid: 13 x 9 Points

E_{av} [lx]
516

E_{min} [lx]
330

E_{max} [lx]
882

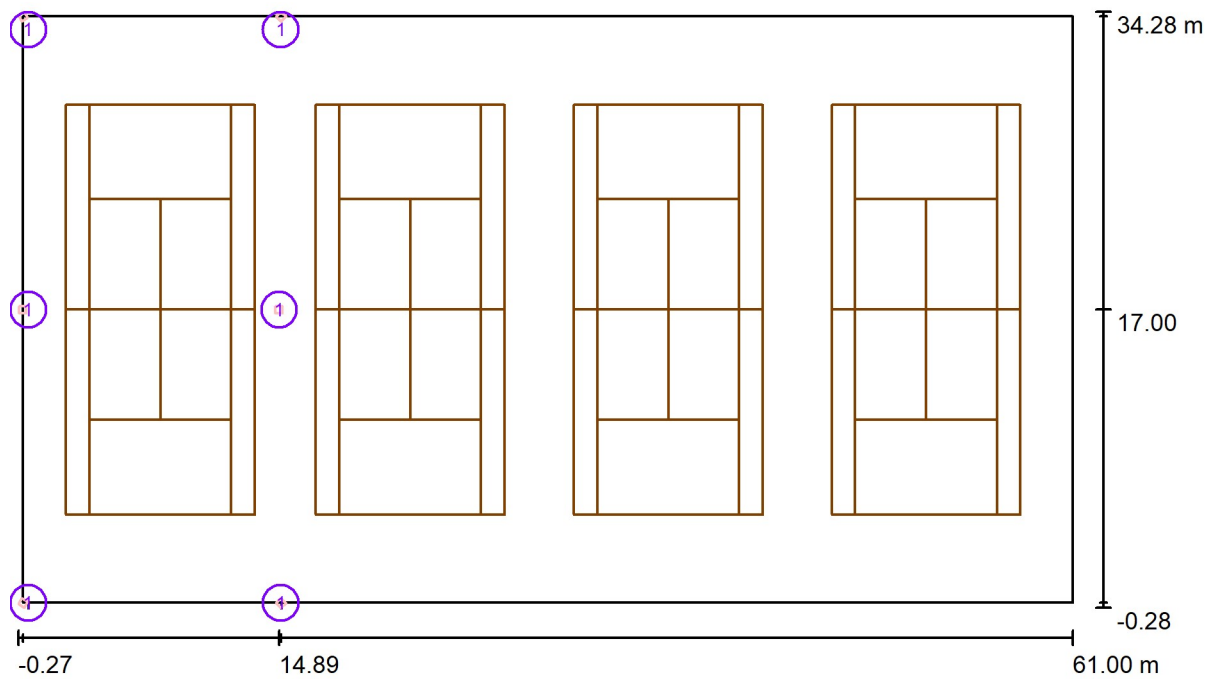
u_0
0.64

E_{min} / E_{max}
0.37



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Firbank Dale Lawn Tennis Club - Court 1 / Luminaires (layout plan)



Scale 1 : 439

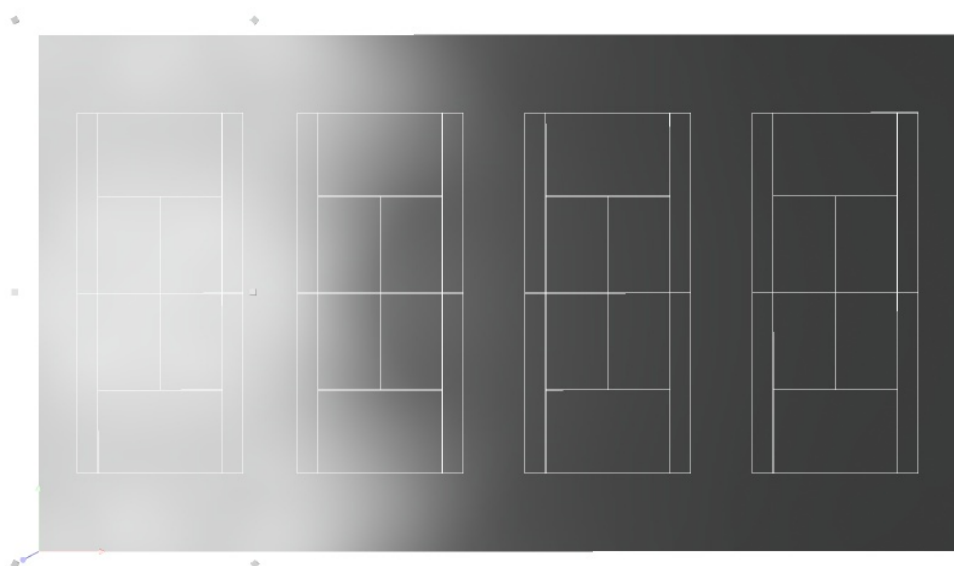
Luminaire Parts List

No.	Pieces	Designation
1	6	Carbon8Lighting Athlima 480W T4B



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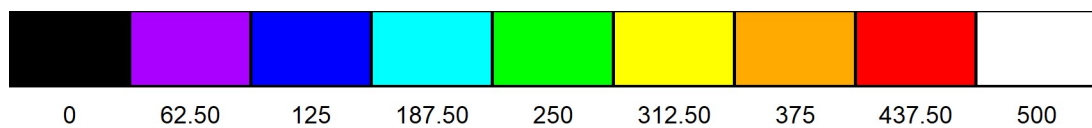
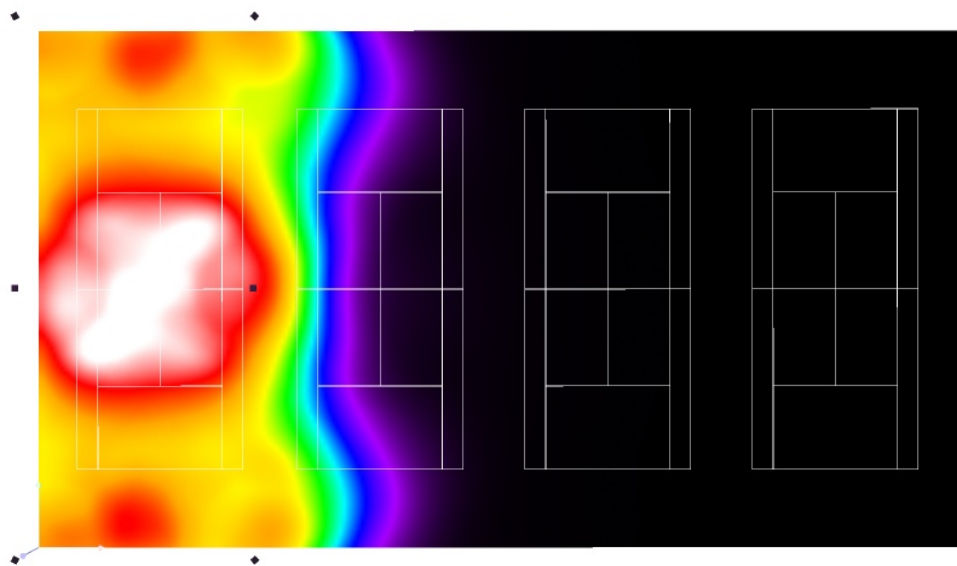
Firbank Dale Lawn Tennis Club - Court 1 / 3D Rendering





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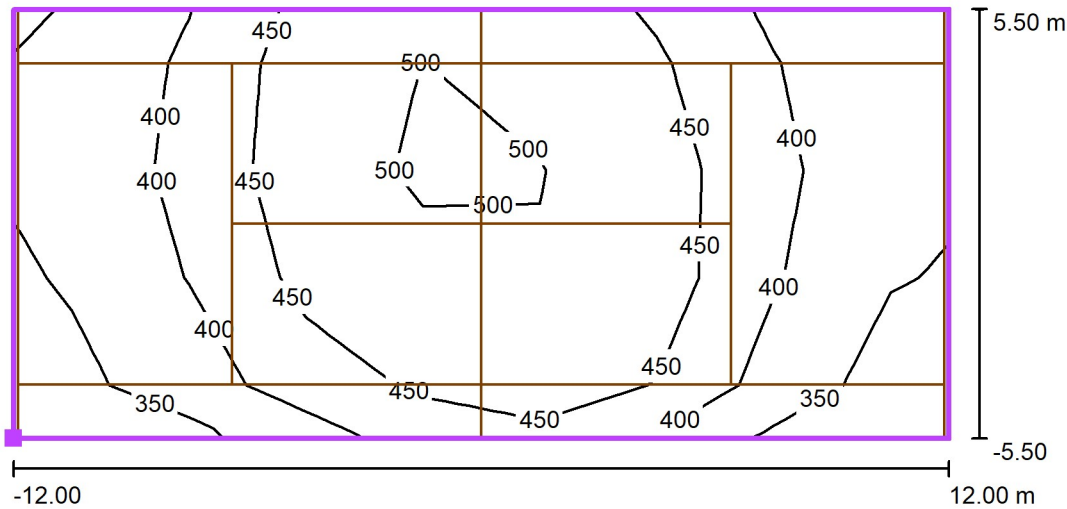
Firbank Dale Lawn Tennis Club - Court 1 / False Colour Rendering





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Firbank Dale Lawn Tennis Club - Court 1 / Tennis 1 Calculation Grid (PPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (13.500 m, 5.000 m,
0.000 m)



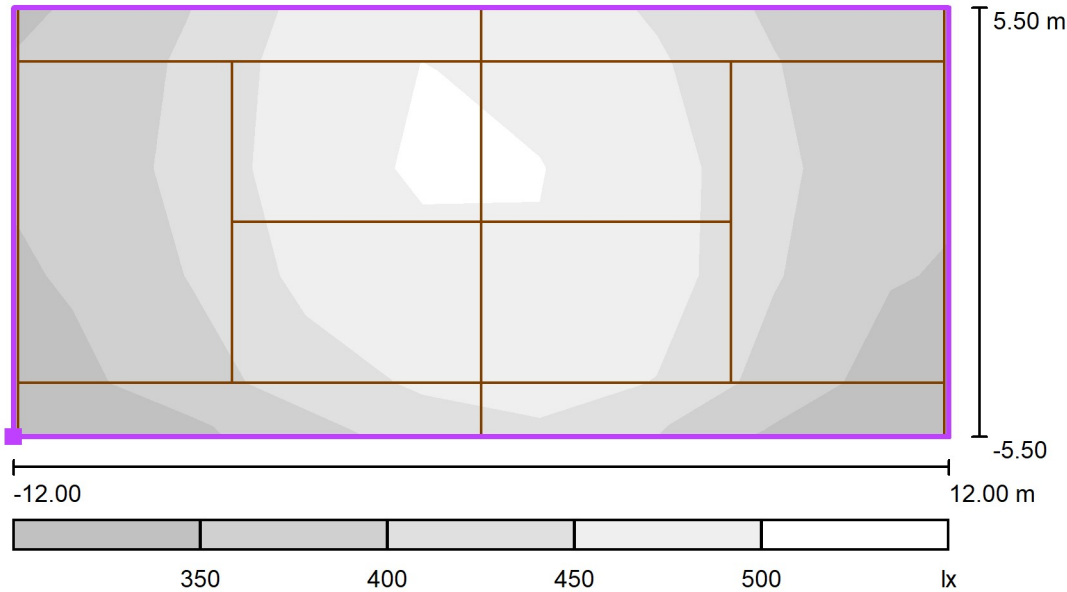
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
413	306	513	0.74	0.60



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Firbank Dale Lawn Tennis Club - Court 1 / Tennis 1 Calculation Grid (PPA) /
Greyscale (E, Horizontal)



Scale 1 : 194

Position of surface in external scene:
Marked point: (13.500 m, 5.000 m,
0.000 m)



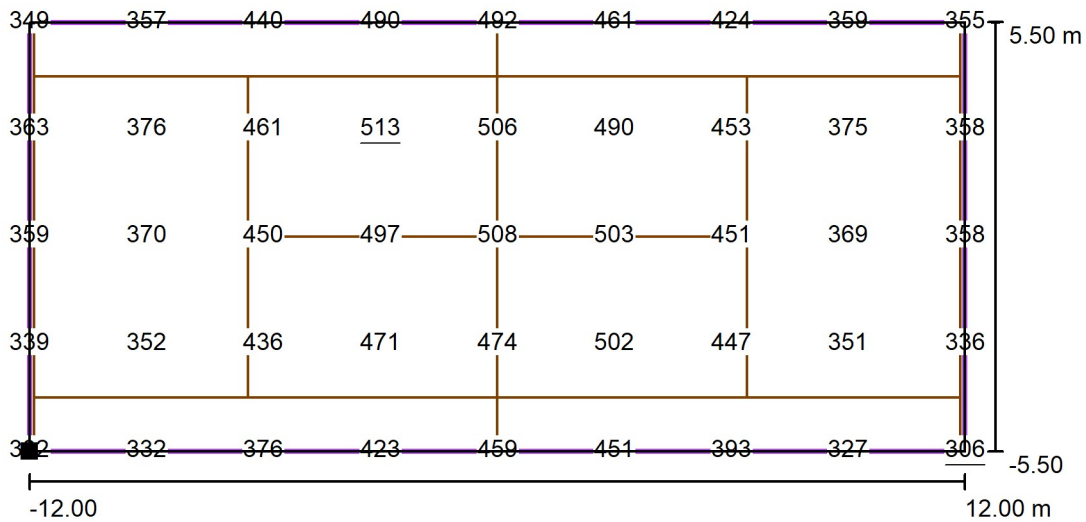
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
413	306	513	0.74	0.60



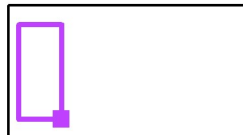
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Firbank Dale Lawn Tennis Club - Court 1 / Tennis 1 Calculation Grid (PPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (13.500 m, 5.000 m,
0.000 m)



Grid: 9 x 5 Points

E_{av} [lx]
413

E_{min} [lx]
306

E_{max} [lx]
513

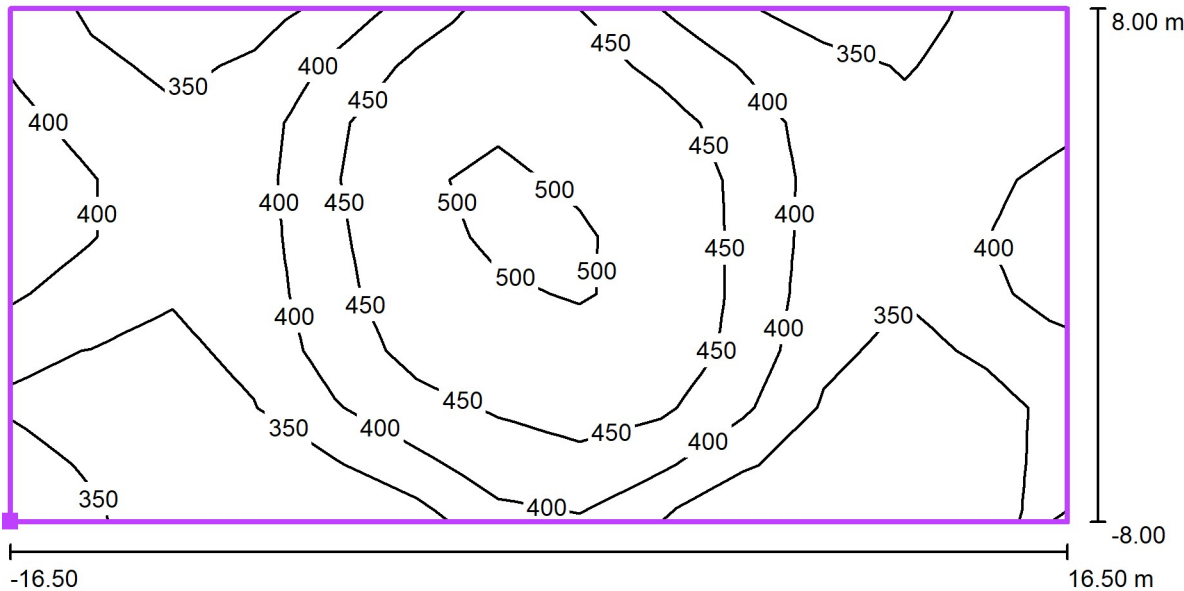
u_0
0.74

E_{min} / E_{max}
0.60



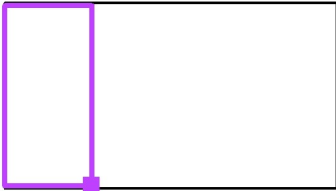
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 1 / Tennis 1 Calculation Grid (TPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (16.000 m, 0.500 m,
0.000 m)



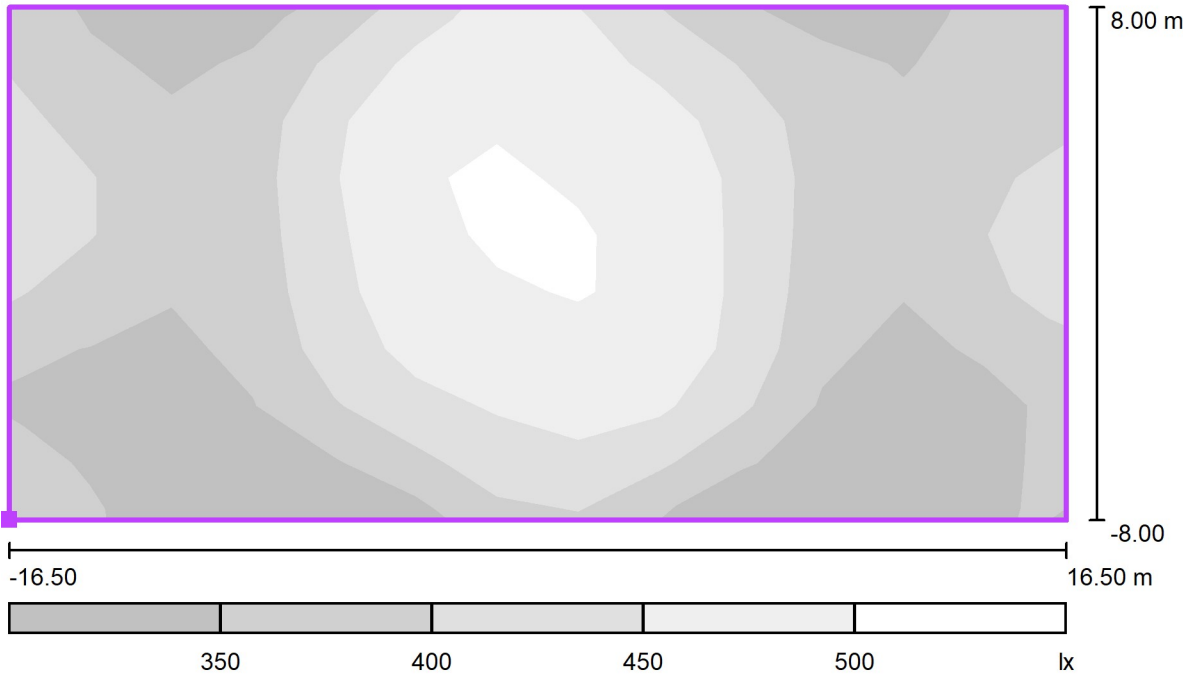
Grid: 13 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
400	300	512	0.75	0.59



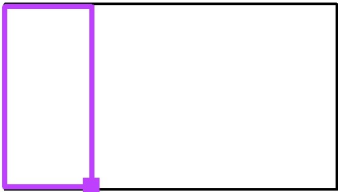
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 1 / Tennis 1 Calculation Grid (TPA) / Greyscale (E, Horizontal)



Scale 1 : 236

Position of surface in external scene:
Marked point: (16.000 m, 0.500 m, 0.000 m)



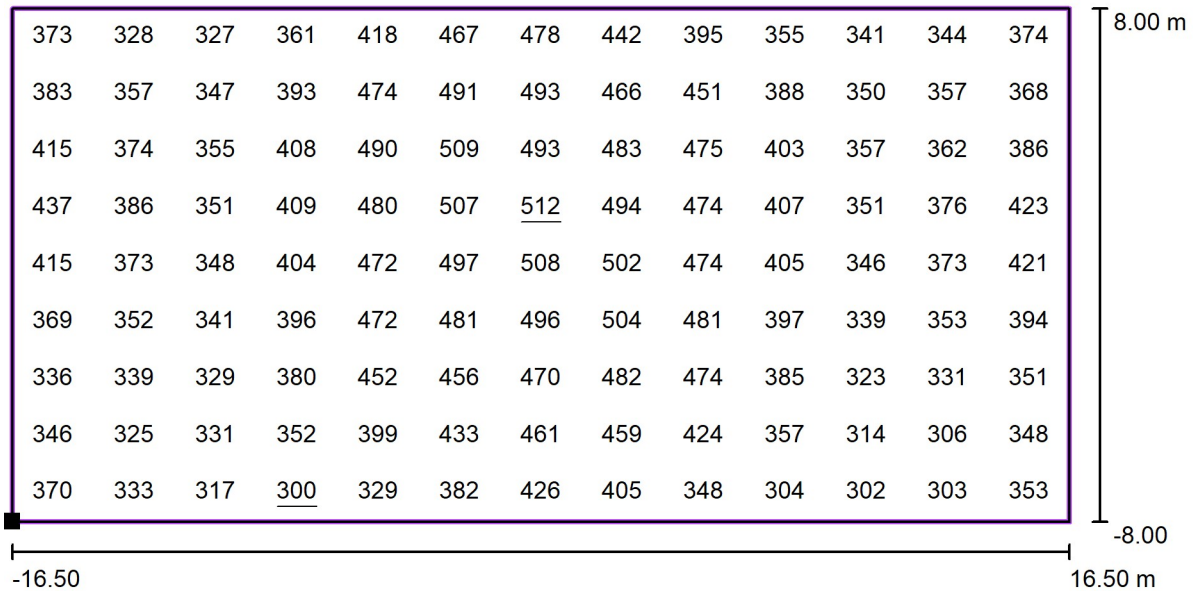
Grid: 13 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
400	300	512	0.75	0.59



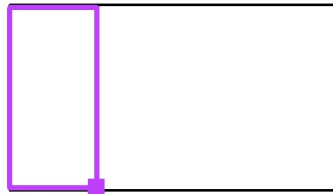
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 1 / Tennis 1 Calculation Grid (TPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (16.000 m, 0.500 m,
0.000 m)



Grid: 13 x 9 Points

E_{av} [lx]
400

E_{min} [lx]
300

E_{max} [lx]
512

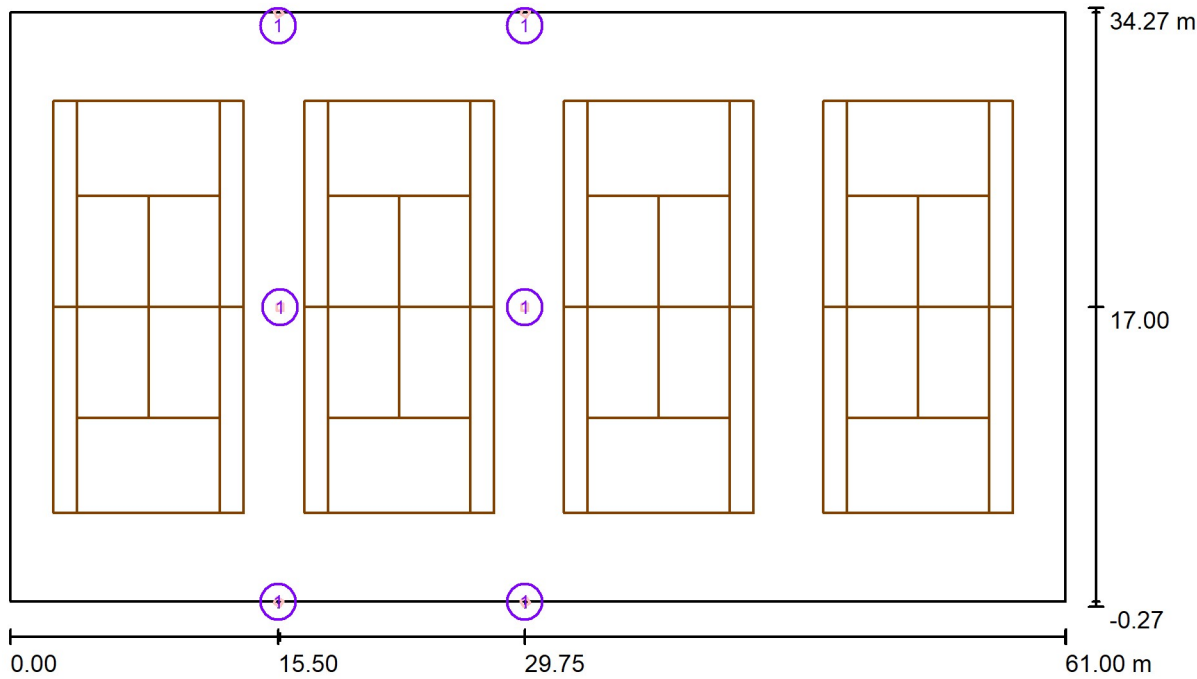
u_0
0.75

E_{min} / E_{max}
0.59



Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 2 / Luminaires (layout plan)



Scale 1 : 437

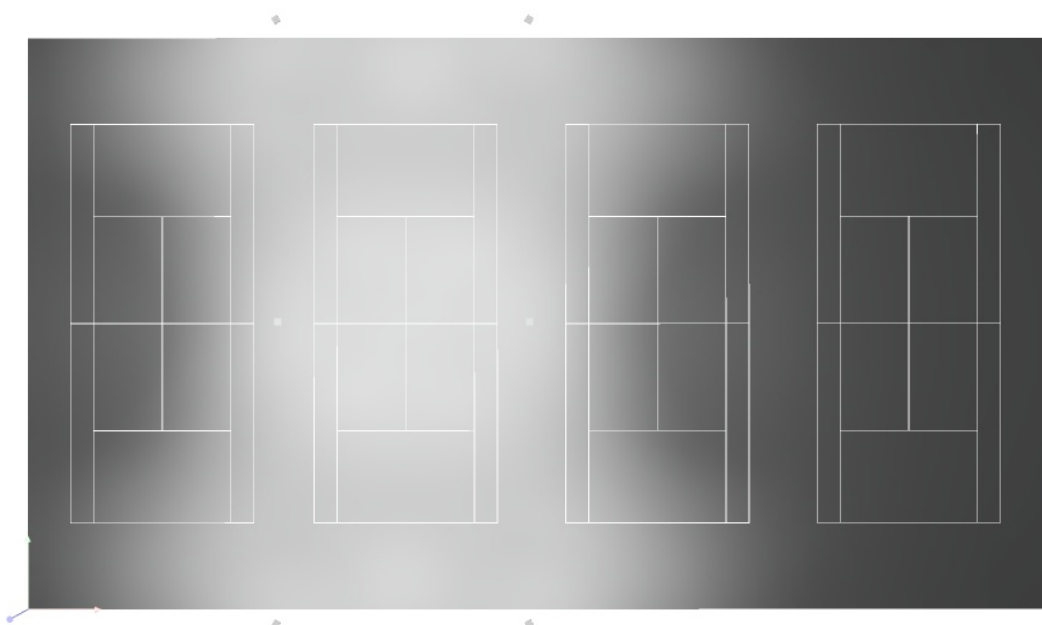
Luminaire Parts List

No.	Pieces	Designation
1	6	Carbon8Lighting Athlima 480W T4B



Operator
Telephone
Fax
e-Mail

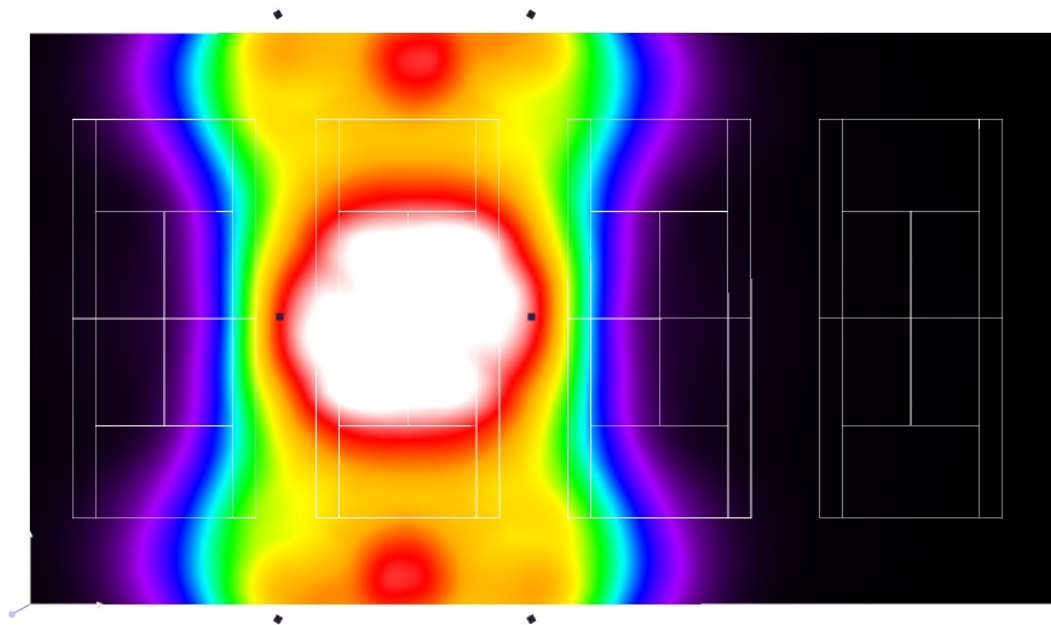
Firbank Dale Lawn Tennis Club - Court 2 / 3D Rendering





Operator
Telephone
Fax
e-Mail

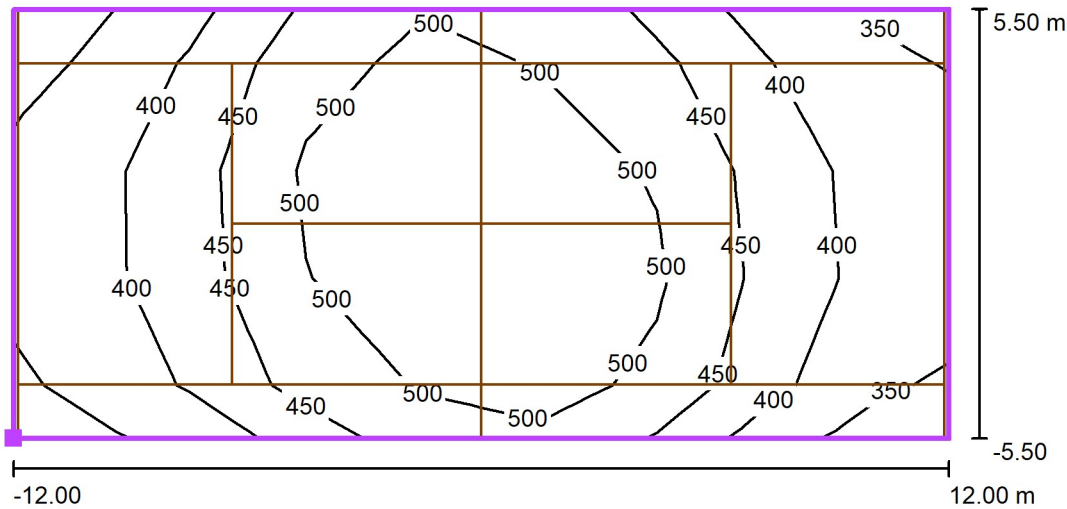
Firbank Dale Lawn Tennis Club - Court 2 / False Colour Rendering





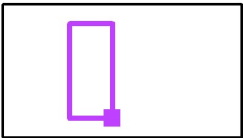
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 2 / Tennis 2 Calculation Grid (PPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (28.000 m, 5.000 m,
0.000 m)



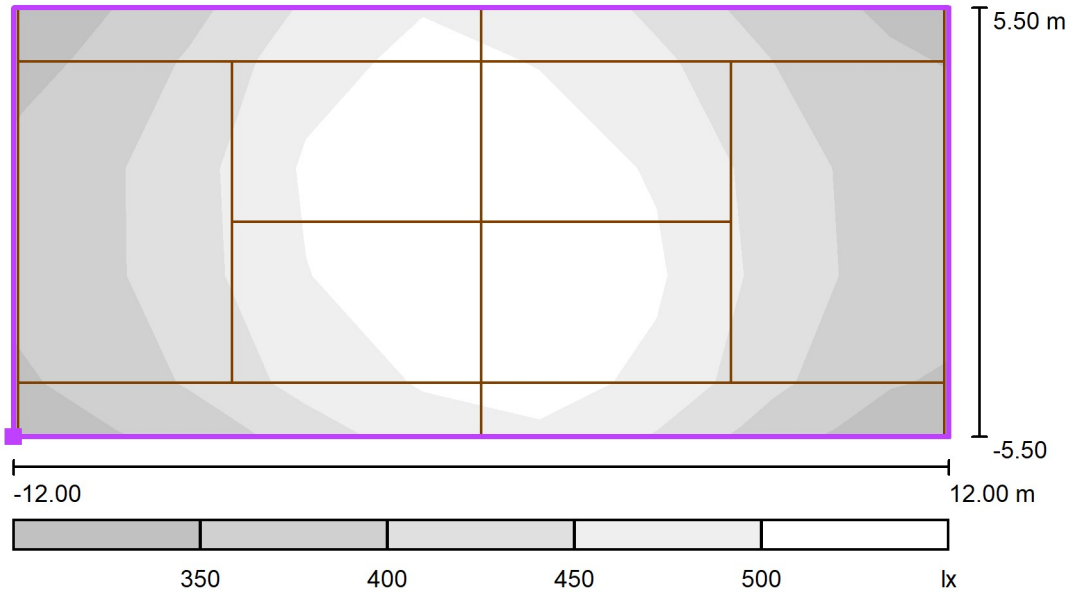
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
431	323	542	0.75	0.60



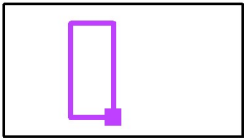
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 2 / Tennis 2 Calculation Grid (PPA) /
Greyscale (E, Horizontal)



Scale 1 : 194

Position of surface in external scene:
Marked point: (28.000 m, 5.000 m,
0.000 m)



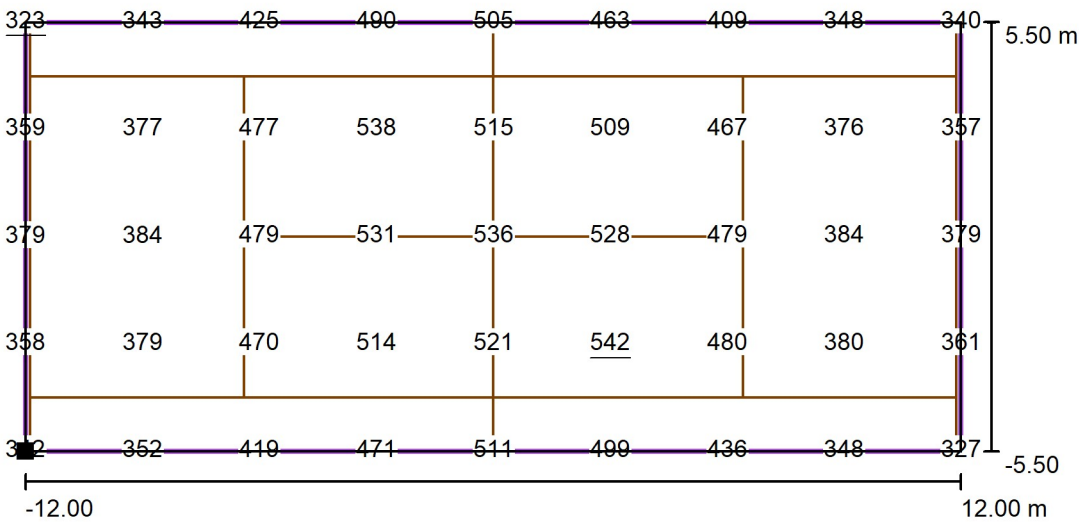
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
431	323	542	0.75	0.60



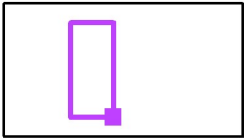
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 2 / Tennis 2 Calculation Grid (PPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (28.000 m, 5.000 m, 0.000 m)



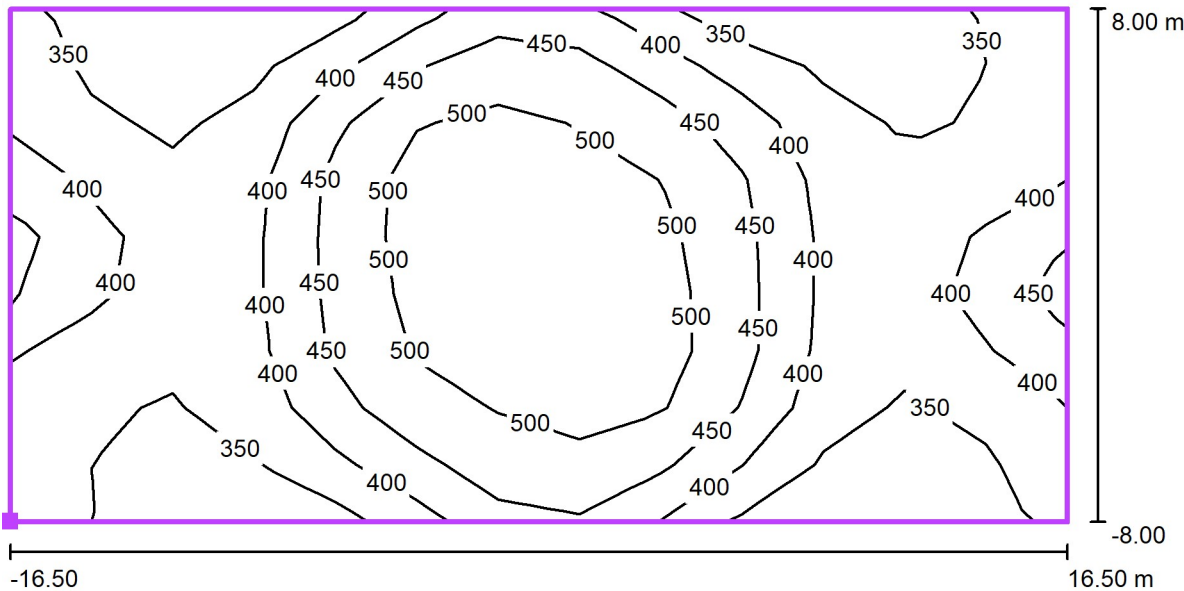
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
431	323	542	0.75	0.60



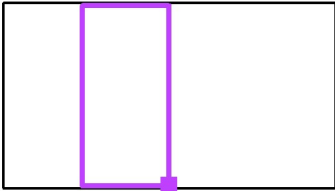
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 2 / Tennis 2 Calculation Grid (TPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (30.500 m, 0.500 m,
0.000 m)



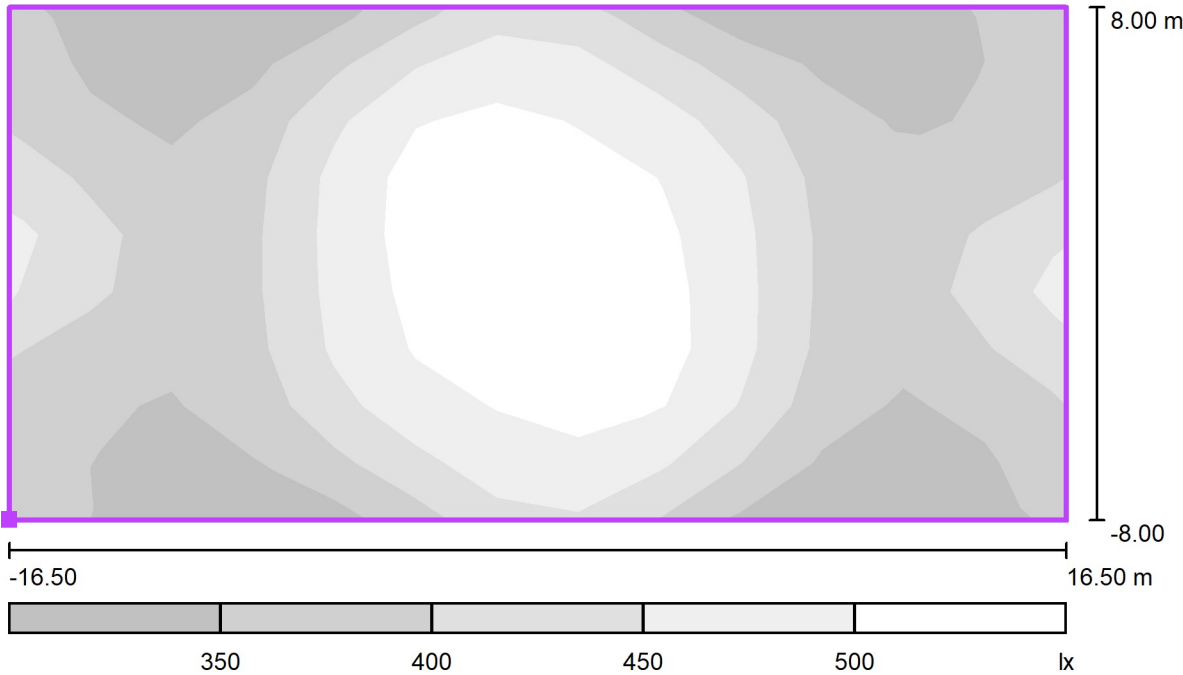
Grid: 13 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
415	307	538	0.74	0.57



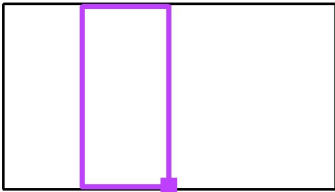
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 2 / Tennis 2 Calculation Grid (TPA) / Greyscale (E, Horizontal)



Scale 1 : 236

Position of surface in external scene:
Marked point: (30.500 m, 0.500 m, 0.000 m)



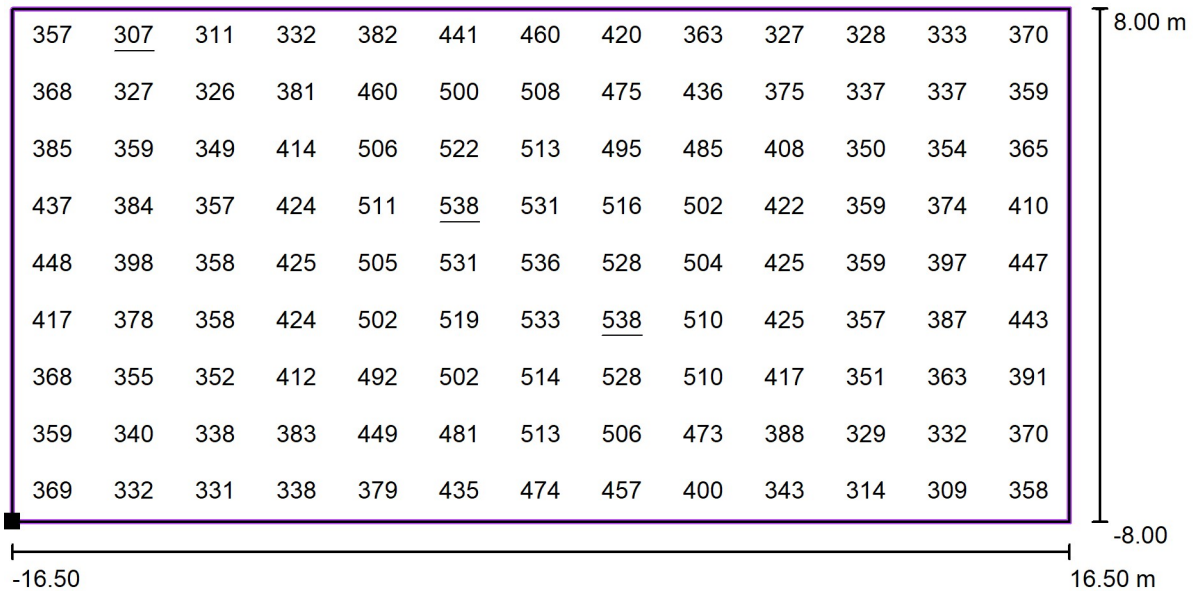
Grid: 13 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
415	307	538	0.74	0.57



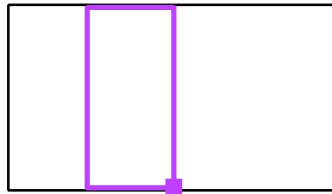
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 2 / Tennis 2 Calculation Grid (TPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (30.500 m, 0.500 m,
0.000 m)



Grid: 13 x 9 Points

E_{av} [lx]
415

E_{min} [lx]
307

E_{max} [lx]
538

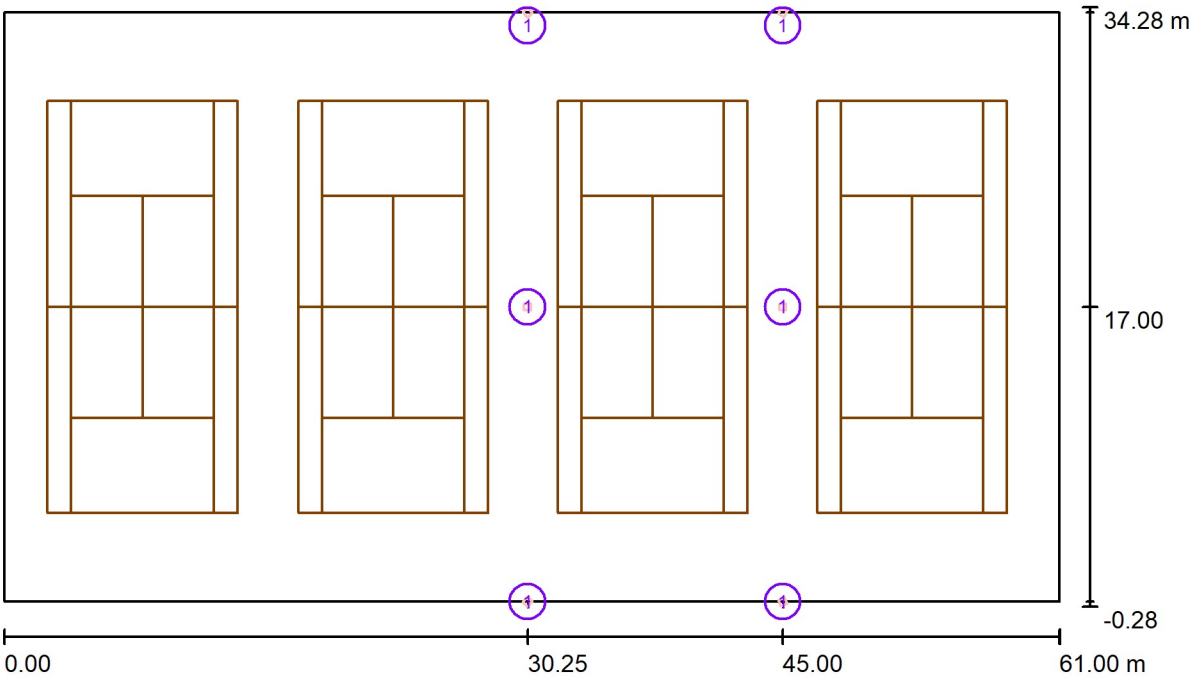
u_0
0.74

E_{min} / E_{max}
0.57



Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 3 / Luminaires (layout plan)



Scale 1 : 437

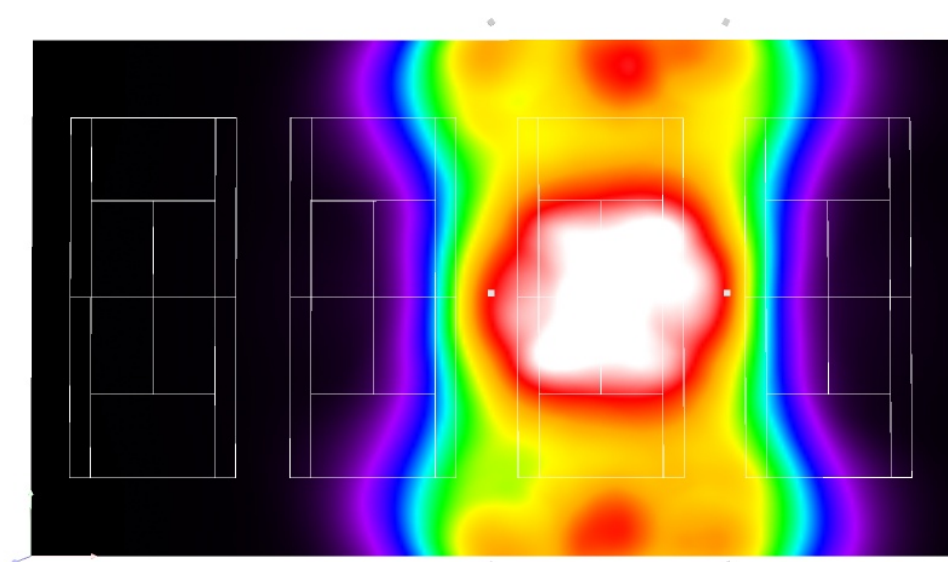
Luminaire Parts List

No.	Pieces	Designation
1	6	Carbon8Lighting Athlima 480W T4B



Operator
Telephone
Fax
e-Mail

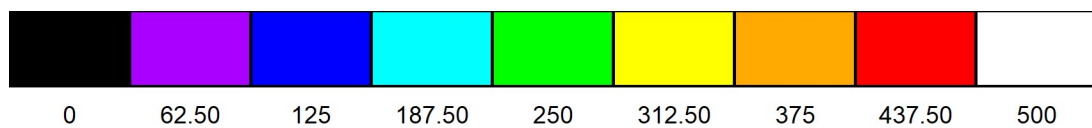
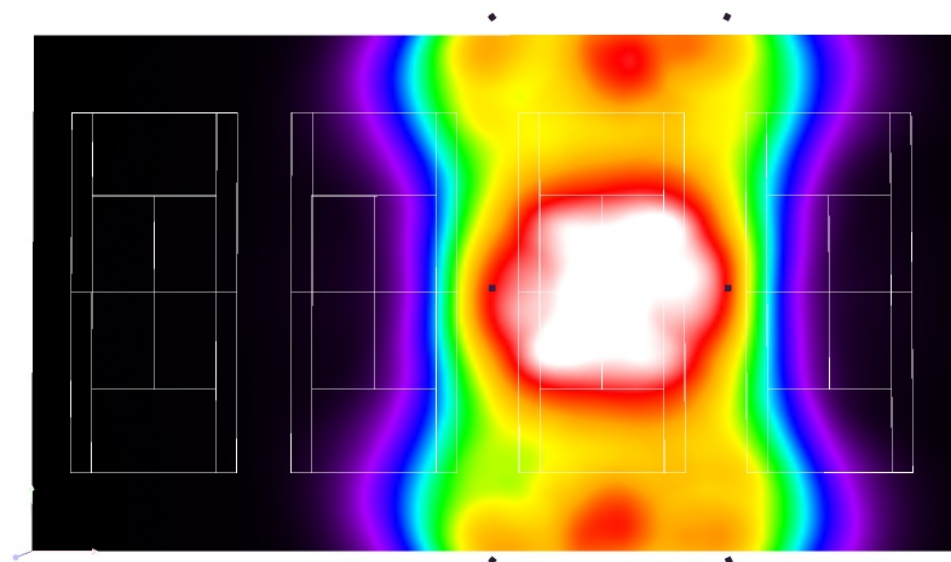
Firbank Dale Lawn Tennis Club - Court 3 / 3D Rendering





Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 3 / False Colour Rendering

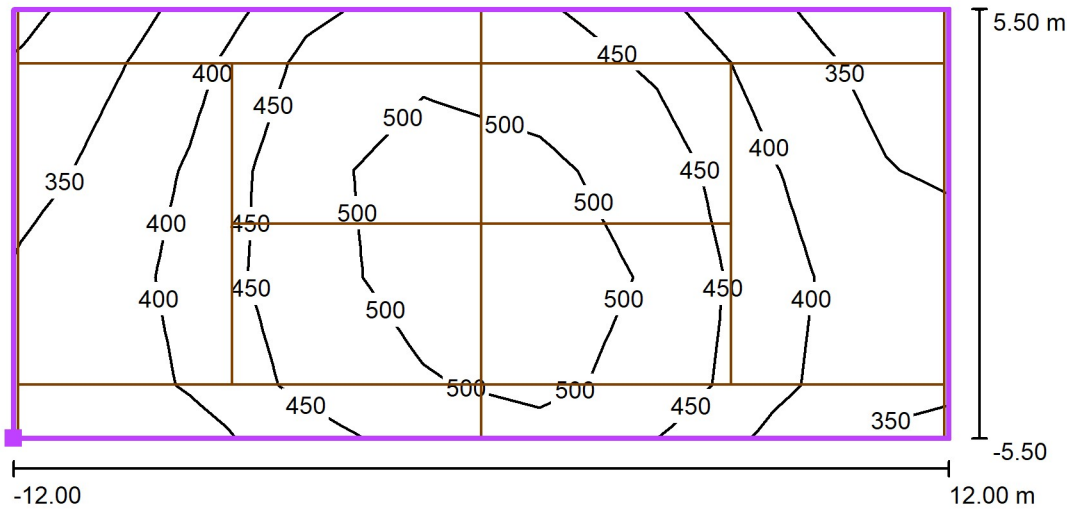


lx



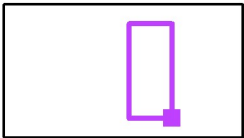
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 3 / Tennis 3 Calculation Grid (PPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (42.994 m, 5.000 m,
0.000 m)



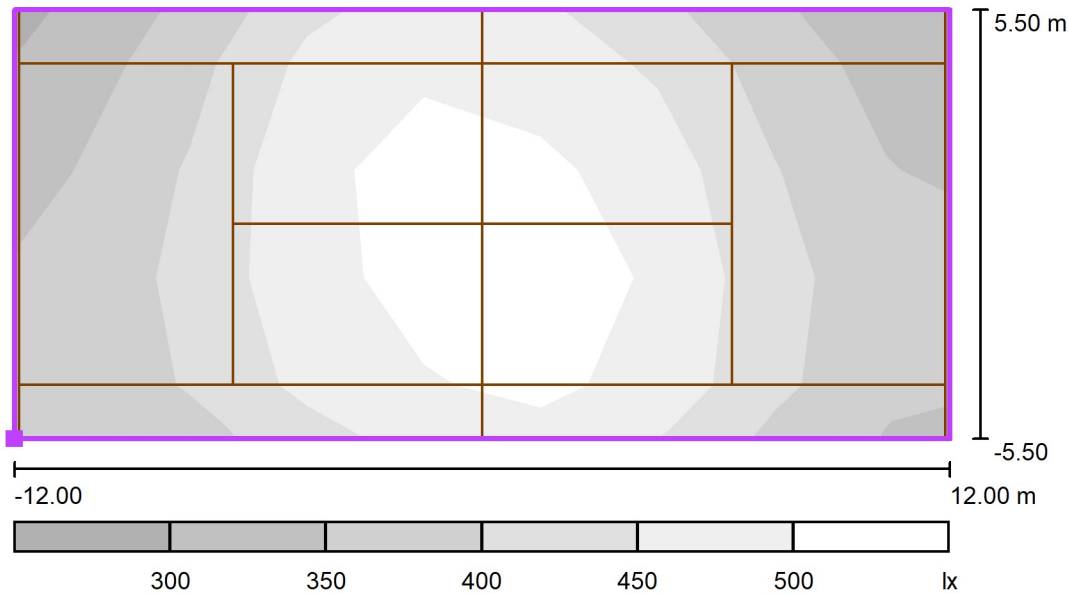
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
419	295	530	0.70	0.56



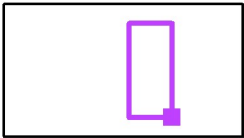
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 3 / Tennis 3 Calculation Grid (PPA) / Greyscale (E, Horizontal)



Scale 1 : 194

Position of surface in external scene:
Marked point: (42.994 m, 5.000 m, 0.000 m)



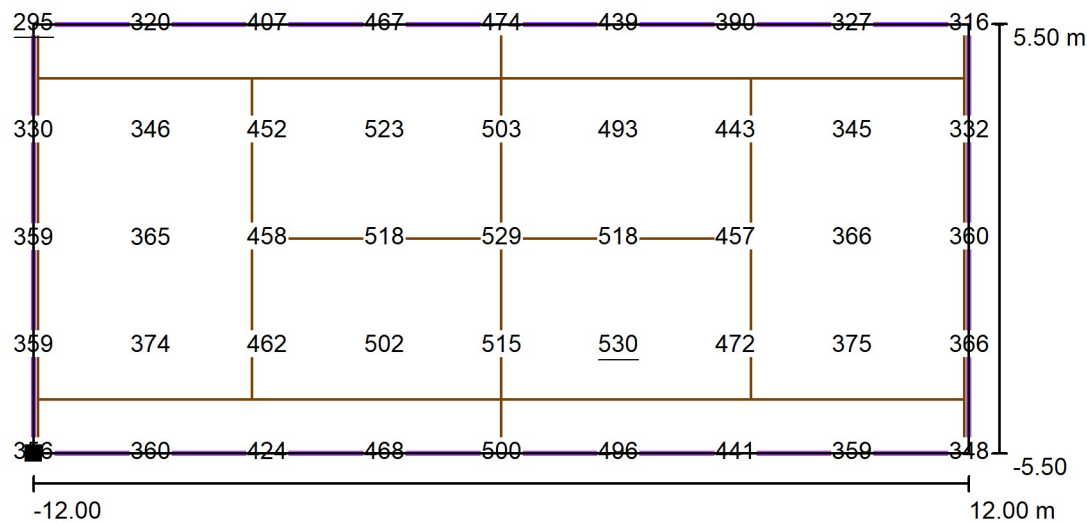
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
419	295	530	0.70	0.56



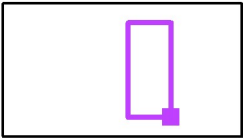
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 3 / Tennis 3 Calculation Grid (PPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 194

Position of surface in external scene:
Marked point: (42.994 m, 5.000 m, 0.000 m)



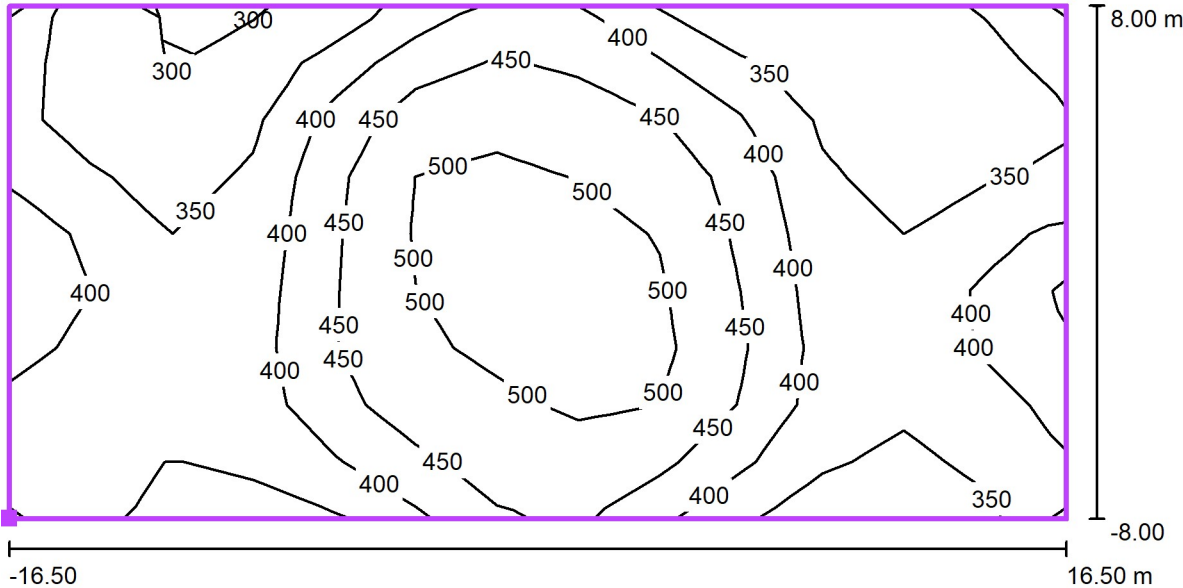
Grid: 9 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
419	295	530	0.70	0.56



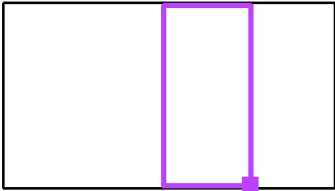
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 3 / Tennis 3 Calculation Grid (TPA) / Isolines (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (45.494 m, 0.500 m,
0.000 m)



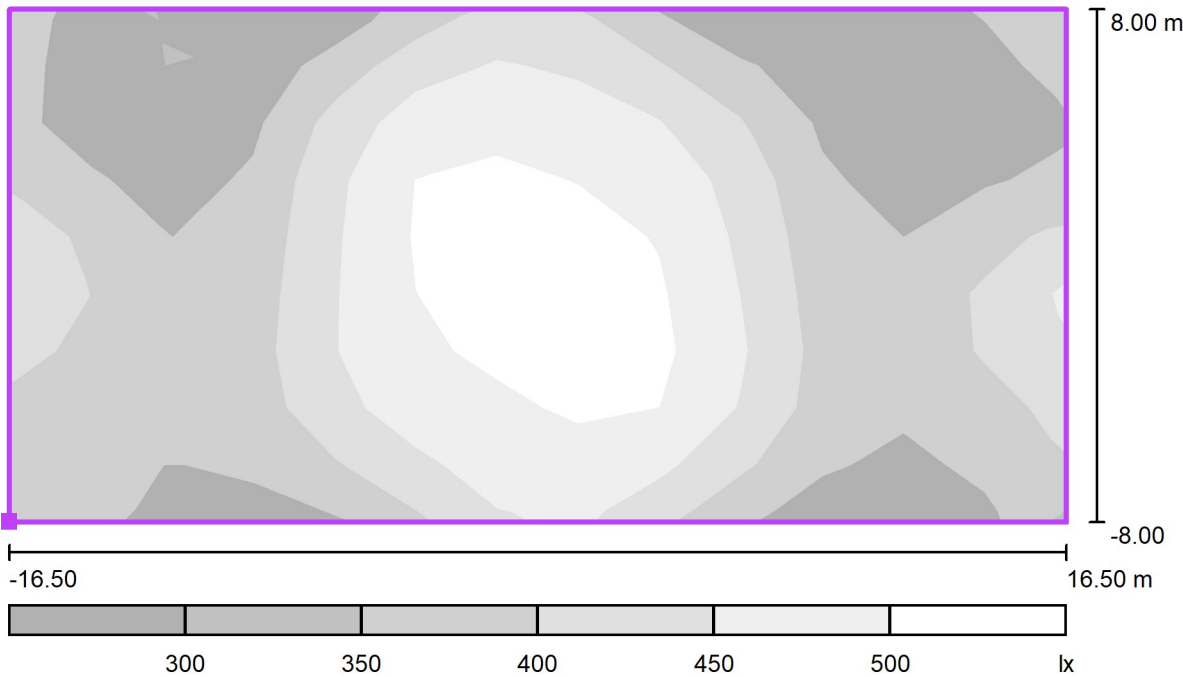
Grid: 13 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
404	296	529	0.73	0.56



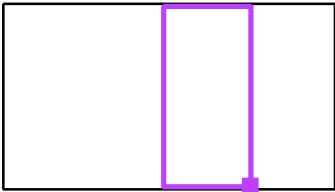
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 3 / Tennis 3 Calculation Grid (TPA) /
Greyscale (E, Horizontal)



Scale 1 : 236

Position of surface in external scene:
Marked point: (45.494 m, 0.500 m,
0.000 m)



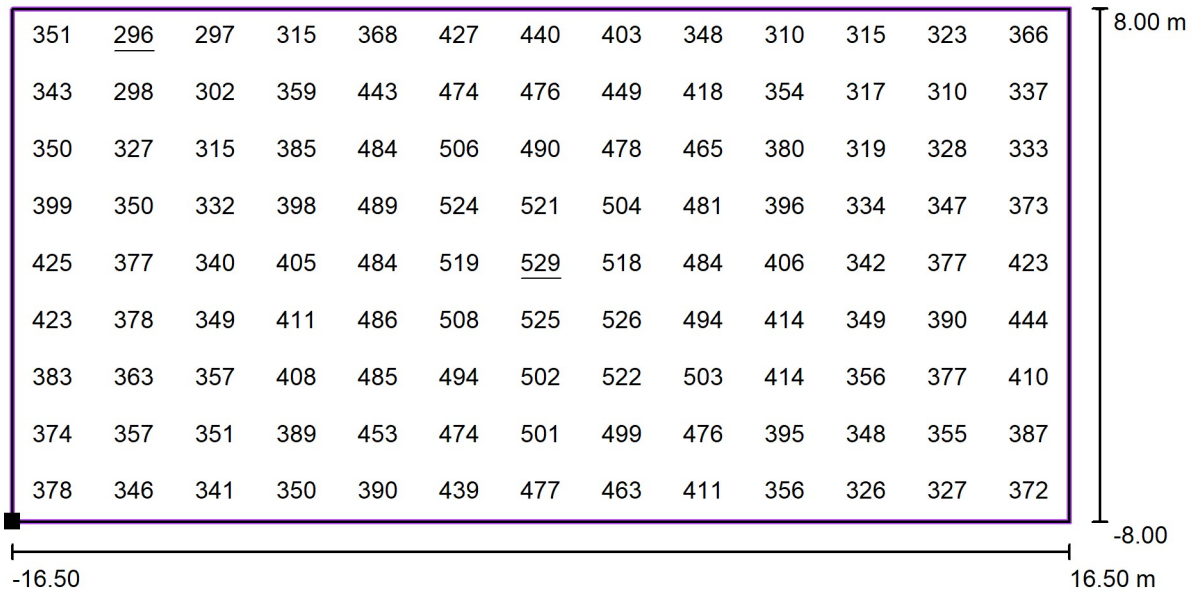
Grid: 13 x 9 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
404	296	529	0.73	0.56



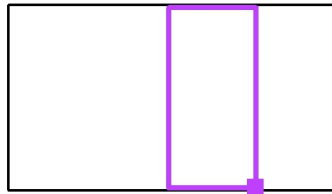
Operator
Telephone
Fax
e-Mail

Firbank Dale Lawn Tennis Club - Court 3 / Tennis 3 Calculation Grid (TPA) / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 236

Position of surface in external scene:
Marked point: (45.494 m, 0.500 m, 0.000 m)



Grid: 13 x 9 Points

E_{av} [lx]
404

E_{min} [lx]
296

E_{max} [lx]
529

u_0
0.73

E_{min} / E_{max}
0.56