

## **24062020\_Small Sports hall Angels**

Date: 25.06.2020  
Operator: František Rolník, Ing.

ZG Lighting Slovakia s.r.o

Tomášikova 64, 831 04 Bratislava  
Slovakia

Operator František Rolník, Ing.

Telephone +421 902 903 201

Fax

e-Mail frantisek.rolnik@zumtobelgroup.com

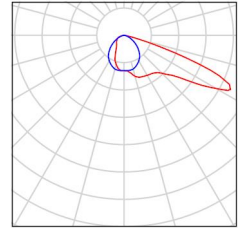
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**24062020\_Small Sports hall Angels / Luminaire parts list**

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18 Pieces THORN - Les Andelys AltisA396L120-857 A6  
AltisA - 396 x Cold White 5700K LED 1200mA -  
A6 Optic  
Article No.: AltisA396L120-857 A6  
Luminous flux (Luminaire): 147741 lm  
Luminous flux (Lamps): 147741 lm  
Luminaire Wattage: 1400.0 W  
Luminaire classification according to DIN: A30  
CIE flux code: 38 72 97 100 100  
Fitting: 132 x LED (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



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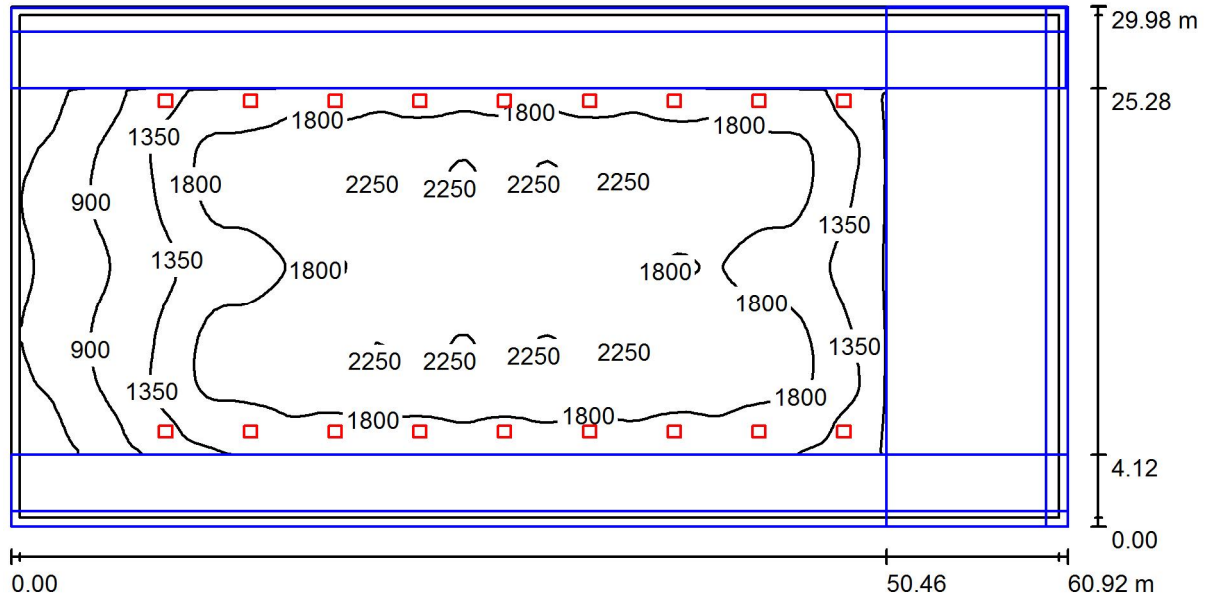
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## 1NP hracia plocha\_Altis / Summary



Height of Room: 13.971 m, Mounting Height: 7.837 m, Maintenance factor: 0.81

Values in Lux, Scale 1:436

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	1682	262	2298	0.156
Floor	45	950	1.76	2180	0.002
Ceilings (6)	40	319	0.00	578	/
Walls (4)	40	171	14	678	/

### Workplane:

Height: 0.850 m  
 Grid: 128 x 128 Points  
 Boundary Zone: 0.500 m

### Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	18	THORN - Les Andelys AltisA396L120-857 A6 AltisA - 396 x Cold White 5700K LED 1200mA - A6 Optic (1.000)	147741	147741	1400.0
Total:			2659336	Total: 2659338	25200.0

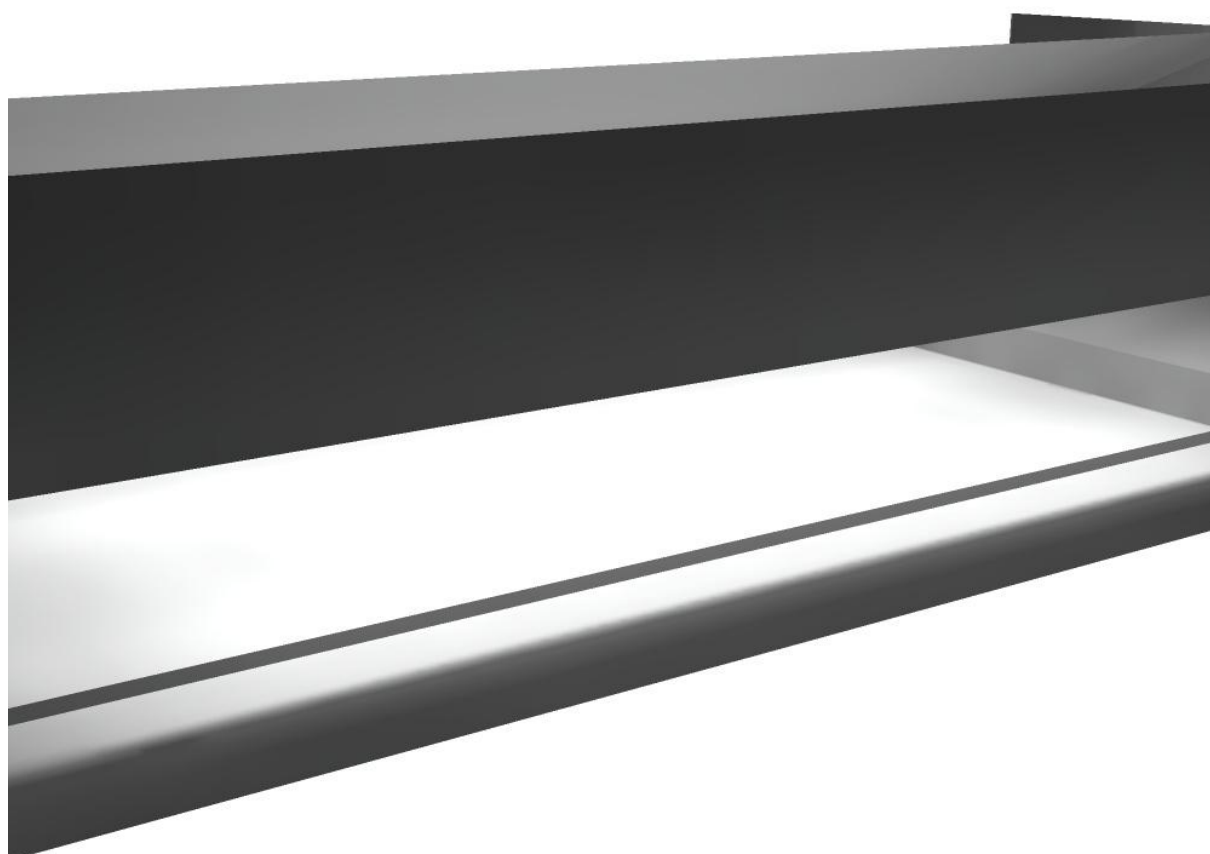
Specific connected load: 13.80 W/m<sup>2</sup> = 0.82 W/m<sup>2</sup>/100 lx (Ground area: 1826.44 m<sup>2</sup>)

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e-Mail [frantisek.rolnik@zumtobelgroup.com](mailto:frantisek.rolnik@zumtobelgroup.com)

## 1NP hracia plocha\_Altis / 3D Rendering



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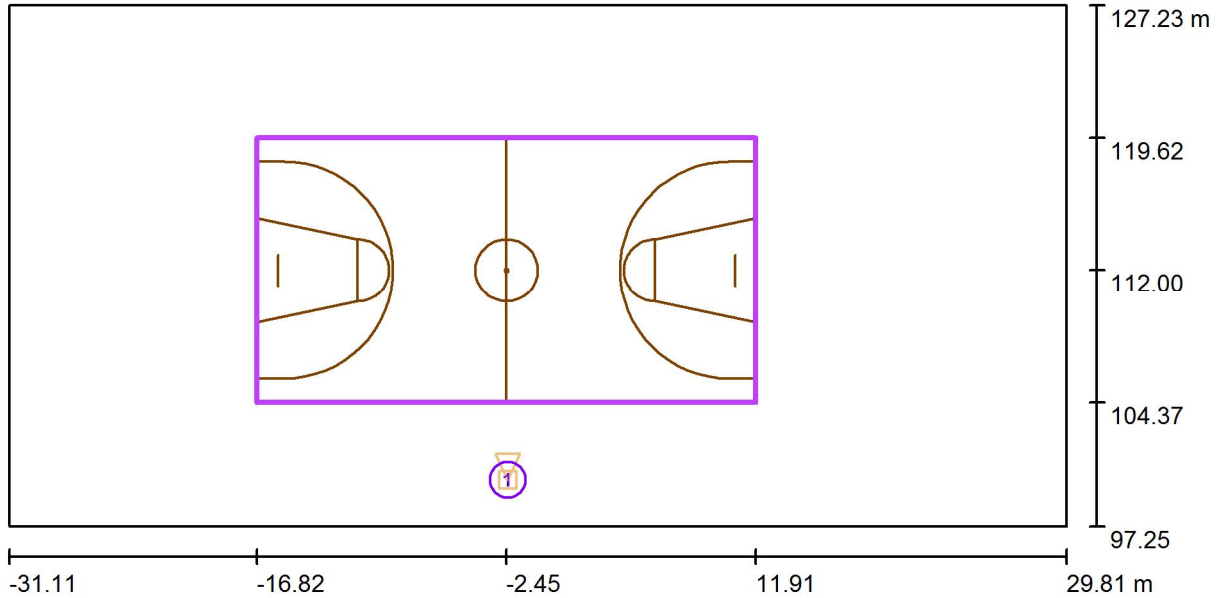
Operator František Rolník, Ing.

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Fax

e-Mail frantisek.rolnik@zumtobelgroup.com

### 1NP hracia plocha\_Altis / Basketball 1 Calculation Grid (PA) / Summary



Scale 1 : 436

Position: (-2.452 m, 111.997 m, 0.000 m)

Size: (28.730 m, 15.250 m)

Rotation: (0.0°, 0.0°, 0.0°)

Type: Normal, Grid: 13 x 7 Points

Belongs to the following sport arena: Basketball 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	horizontal	2010	1797	2166	0.89	0.83	/	0.000	/
2	vertical, 90.0°	1590	1115	1959	0.70	0.57	1.26	1.500	/
3	Camera	1658	1252	2145	0.75	0.58	1.21	1.500	1

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