

## **The LED Store Football Pitch 100m x 64m Sample Area - 75lux**

CAUTION: The performed design & lux level calculation has been carried out using the specified luminaires & layouts - any deviations to product and/or layout will result in variations in the lux levels and overall lighting scheme and could affect compliance.

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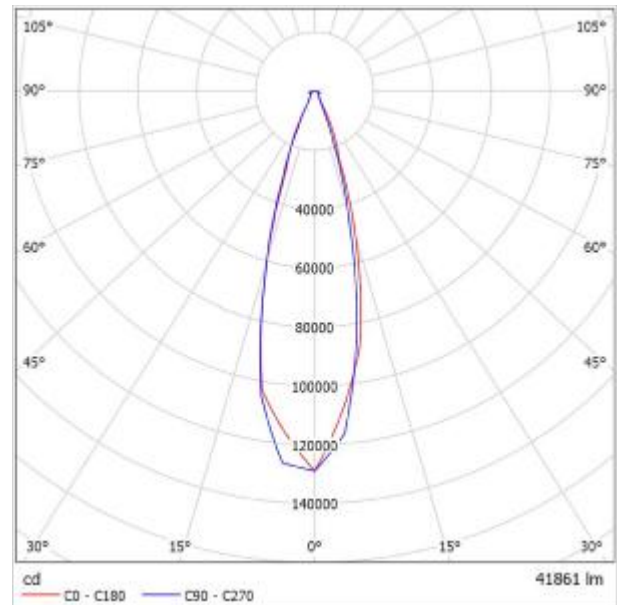
## The LED Store LSTHM-300-30X30 300W LED HIGH MAST SPORTS PITCH TENNIS COURT STADIUM ARENA LIGHT 30x30Degree Beam Angle / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100  
CIE flux code: 84 90 96 100 100

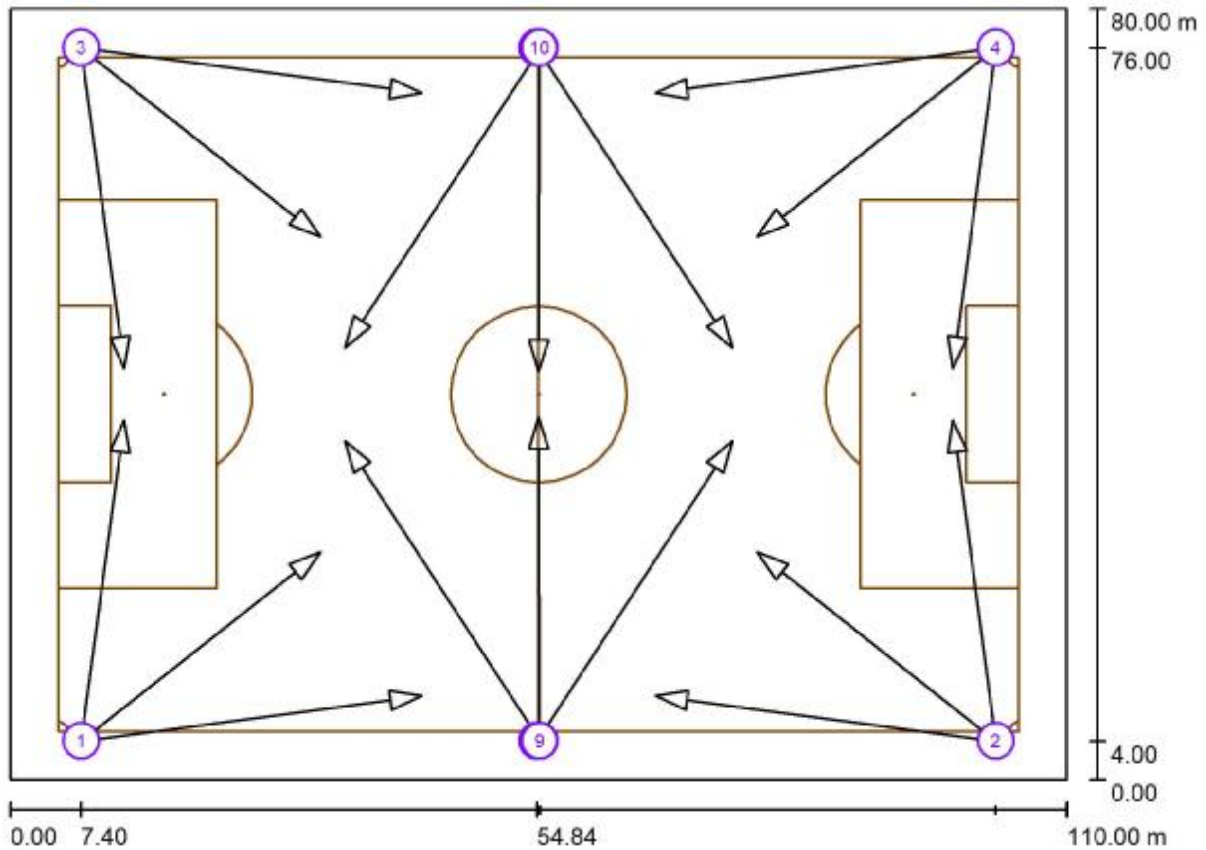
Luminous emittance 1:



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

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### Football Pitch / Planning data



Maintenance factor: 0.80, Mounting Height: 10.000m, ULR (Upward Light Ratio): 19.5%

Scale 1:787

#### Luminaire Parts List

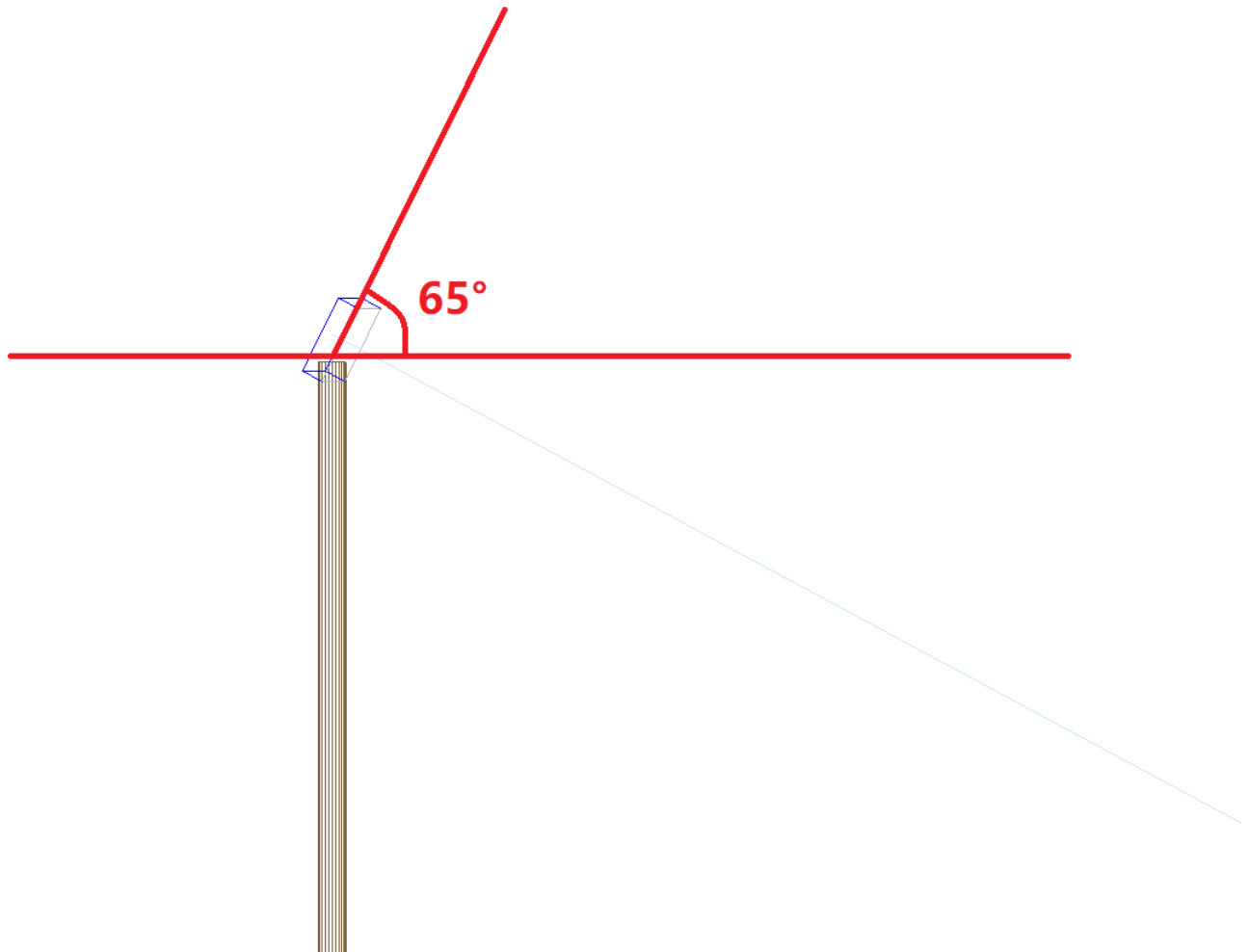
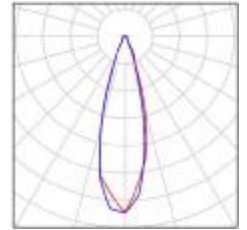
No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	18	The LED Store LSTHM-300-30X30 300W LED HIGH MAST SPORTS PITCH TENNIS COURT STADIUM ARENA LIGHT 30x30Degree Beam Angle (1.000)	41861	41861	308.4
Total:			753501	Total: 753501	5551.2

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## Football Pitch / Luminaire parts list

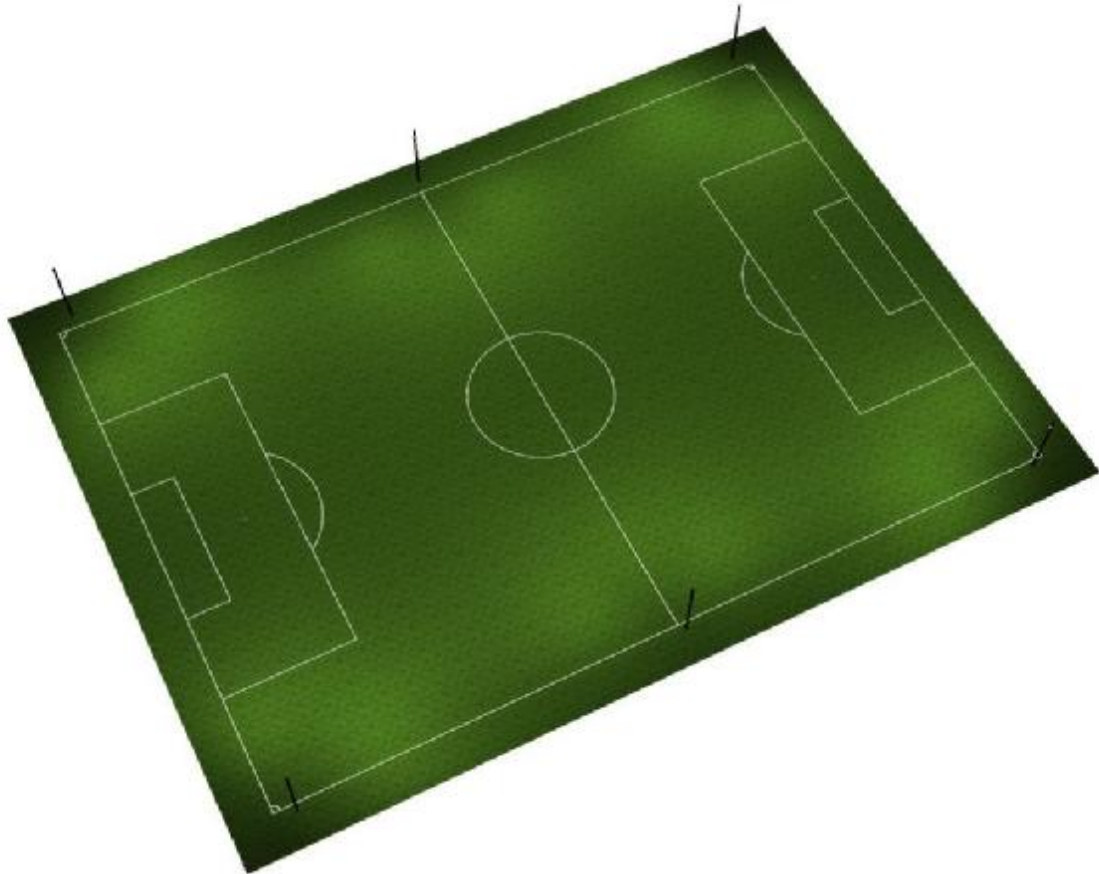
18 Pieces The LED Store LSTHM-300-30X30 300W LED HIGH MAST SPORTS PITCH TENNIS COURT STADIUM ARENA LIGHT 30x30Degree Beam Angle  
Article No.: LSTHM-300-30X30  
Luminous flux (Luminaire): 41861 lm  
Luminous flux (Lamps): 41861 lm  
Luminaire Wattage: 308.4 W  
Luminaire classification according to CIE: 100  
CIE flux code: 84 90 96 100 100  
Fitting: 1 x LSTHM-300-30X30 (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



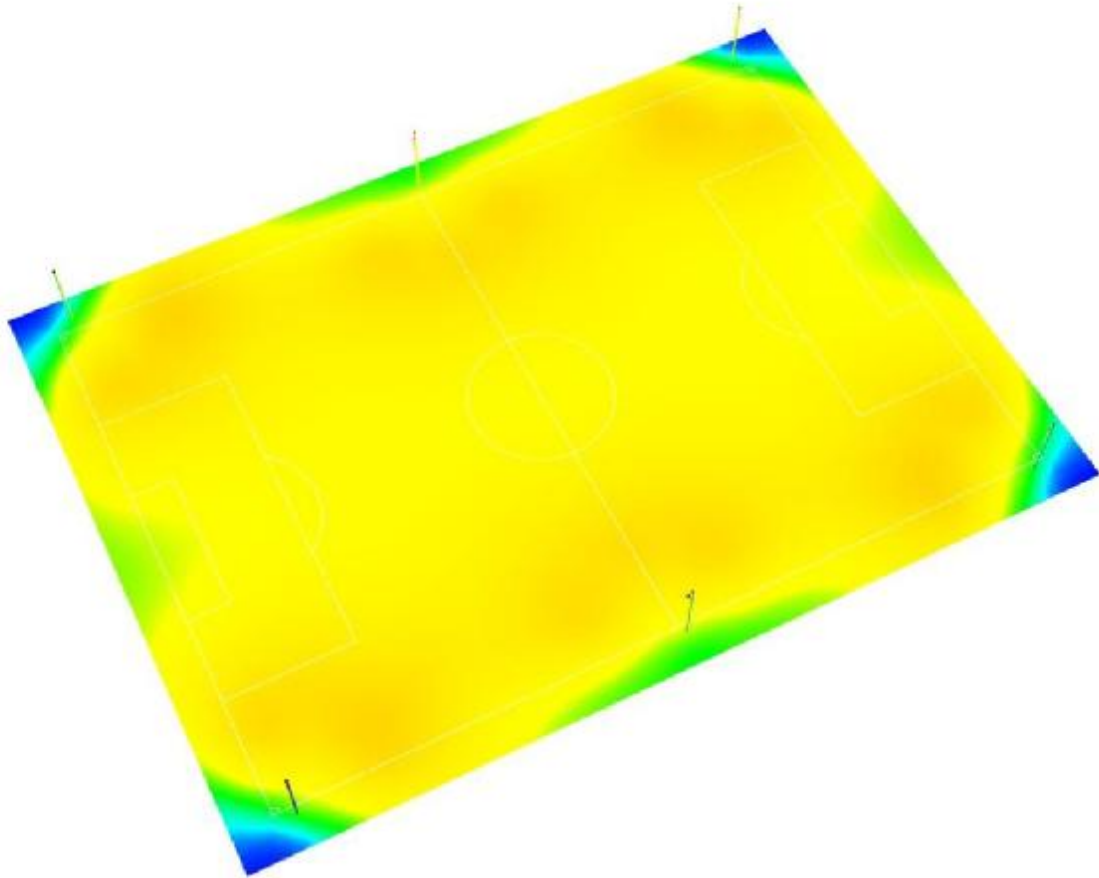
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## Football Pitch / 3D Rendering



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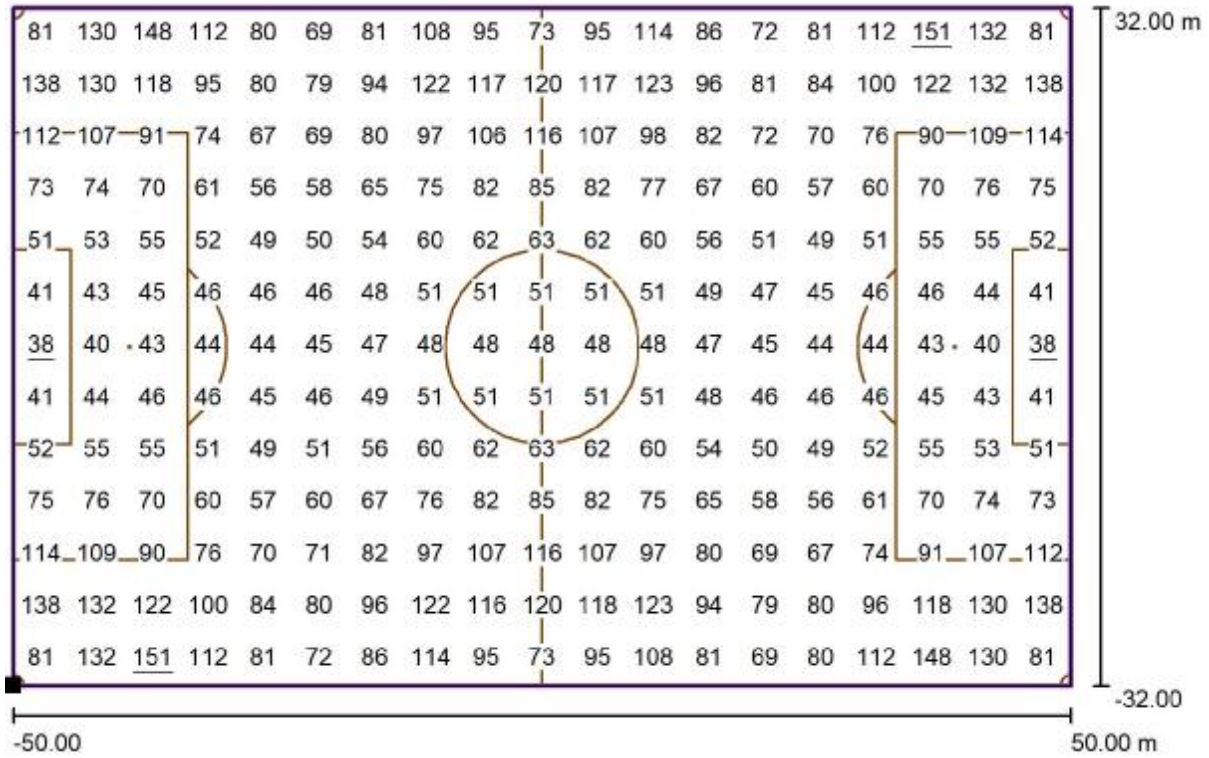
### Football Pitch / False Colour Rendering



0 1 5 25 50 75 150 300 600 lx

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### Football Pitch / Calculation Grid / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 715

Position of surface in external scene:  
 Marked point: (5.000 m, 8.000 m, 0.000 m)



Grid: 19 x 13 Points

$E_{av}$  [lx]  
76

$E_{min}$  [lx]  
38

$E_{max}$  [lx]  
151

$u_0$   
0.50

$E_{min} / E_{max}$   
0.25