

The LED Store Horse Arena 40m x 20m Sample Area - 150lux

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.

Date: 20.11.2020
Operator: The LED Store

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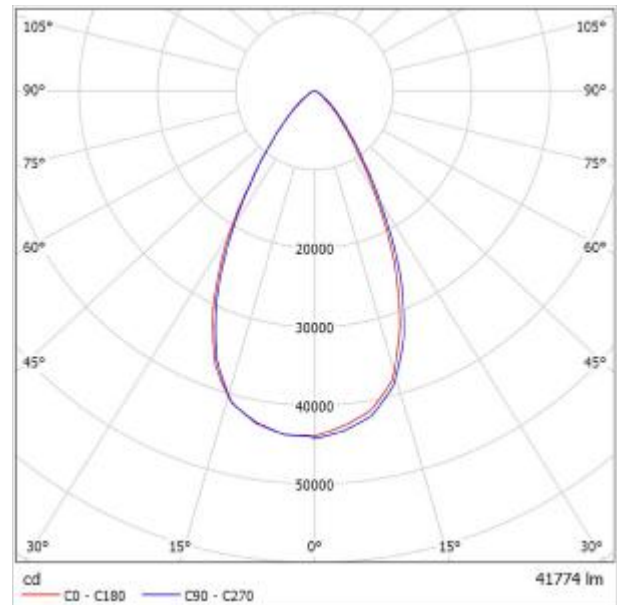
The LED Store LSTSAL-300 300W LED FLOOD SPORTS AREA LIGHT / EXTERIOR CAR PARK FLOOD LIGHTING 60 Degree Beam Angle / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100
CIE flux code: 86 97 99 100 100

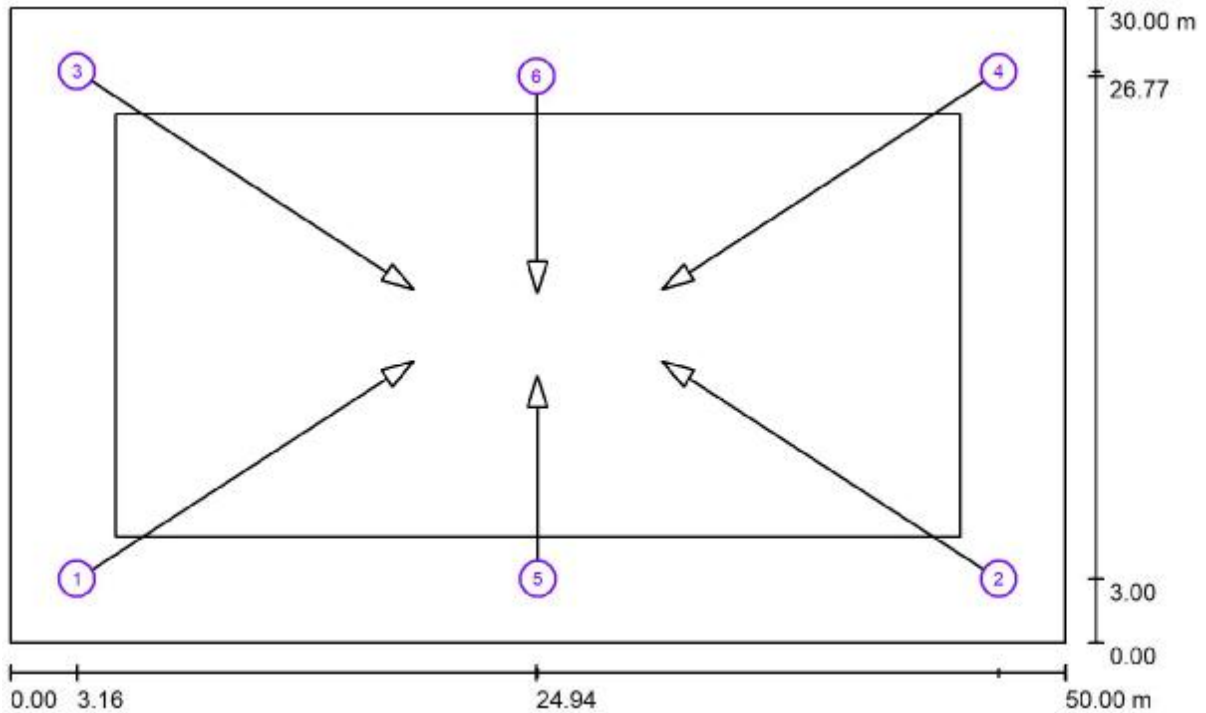
Luminous emittance 1:



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

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Horse Arena / Planning data



Maintenance factor: 0.80, Mounting Height: 6.000m, ULR (Upward Light Ratio): 23.5%

Scale 1:358

Luminaire Parts List

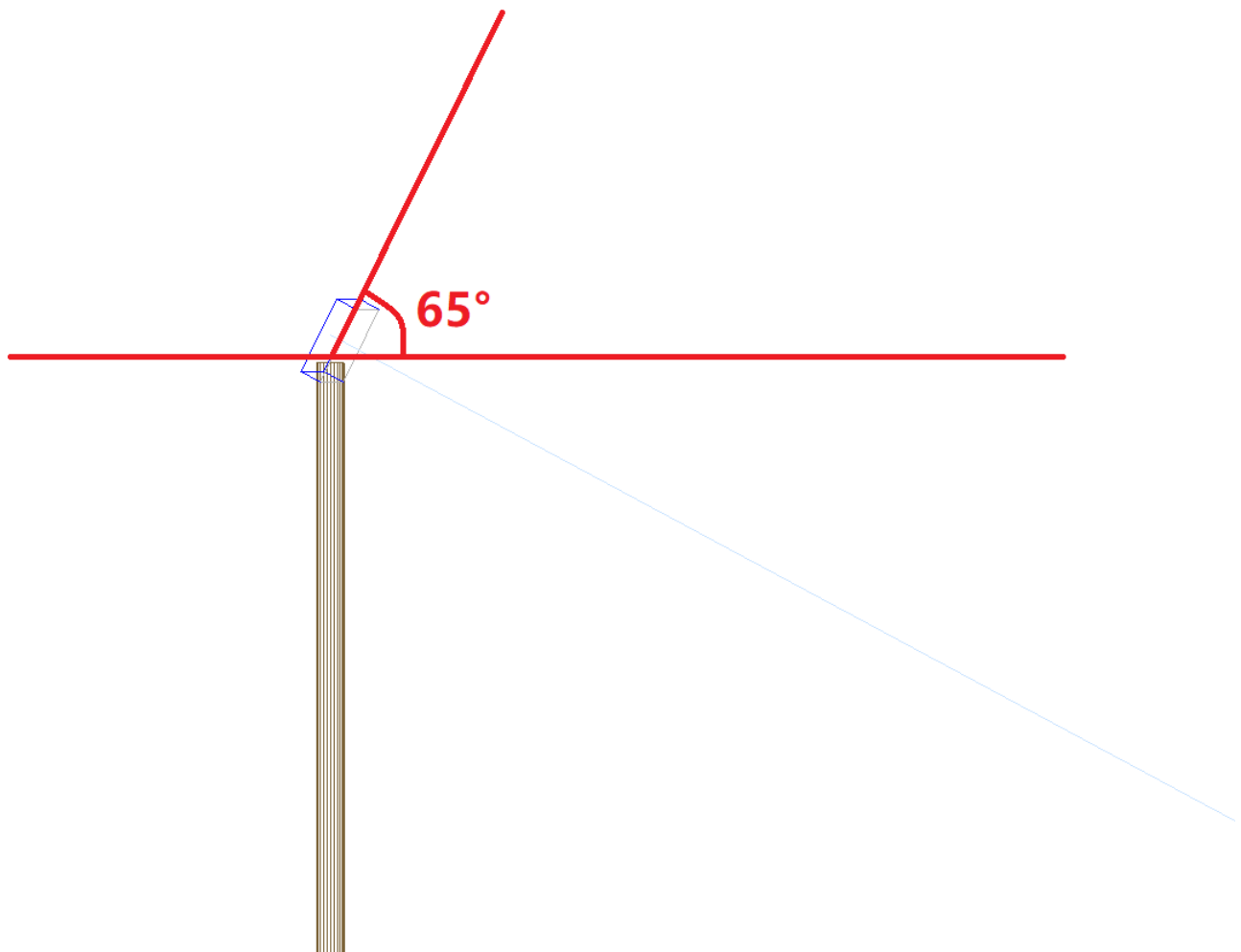
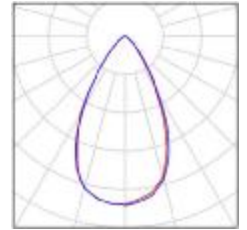
No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	6	The LED Store LSTSAL-300 300W LED FLOOD SPORTS AREA LIGHT / EXTERIOR CAR PARK FLOOD LIGHTING 60 Degree Beam Angle (1.000)	41774	41774	300.3
Total:			250646	Total: 250646	1801.8

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Horse Arena / Luminaire parts list

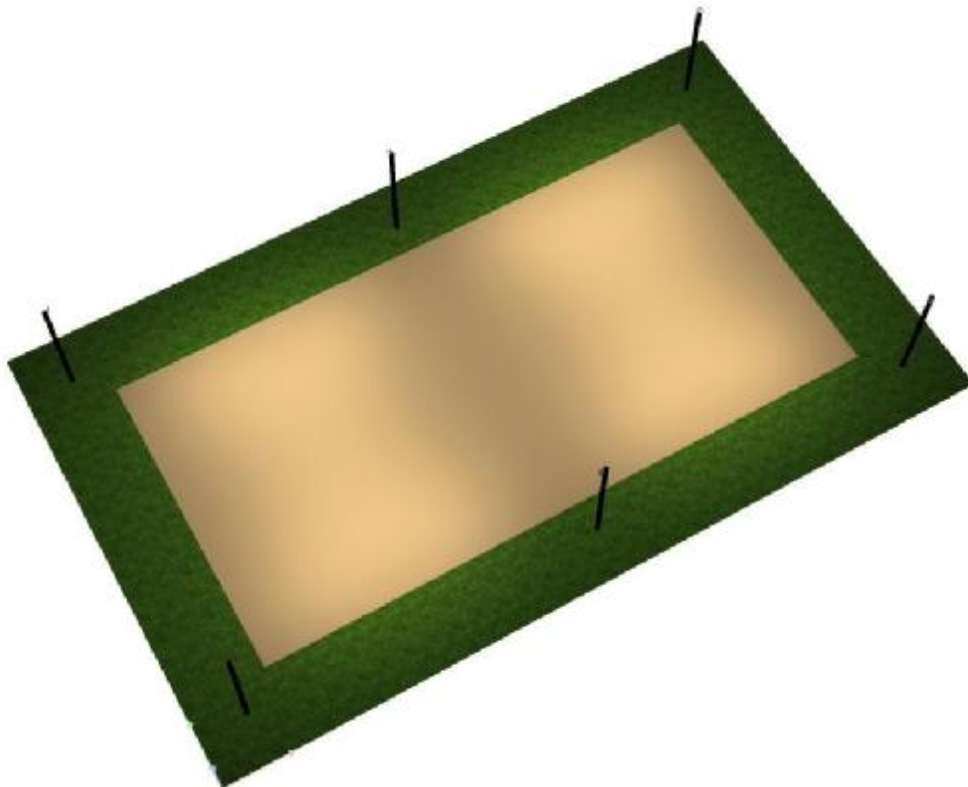
6 Pieces The LED Store LSTSAL-300 300W LED FLOOD
SPORTS AREA LIGHT / EXTERIOR CAR PARK
FLOOD LIGHTING 60 Degree Beam Angle
Article No.: LSTSAL-300
Luminous flux (Luminaire): 41774 lm
Luminous flux (Lamps): 41774 lm
Luminaire Wattage: 300.3 W
Luminaire classification according to CIE: 100
CIE flux code: 86 97 99 100 100
Fitting: 1 x LSTSAL-300 (Correction Factor
1.000).

See our luminaire
catalog for an image of
the luminaire.



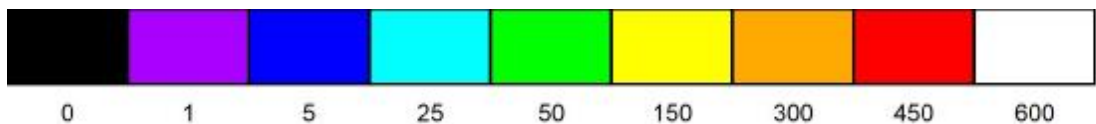
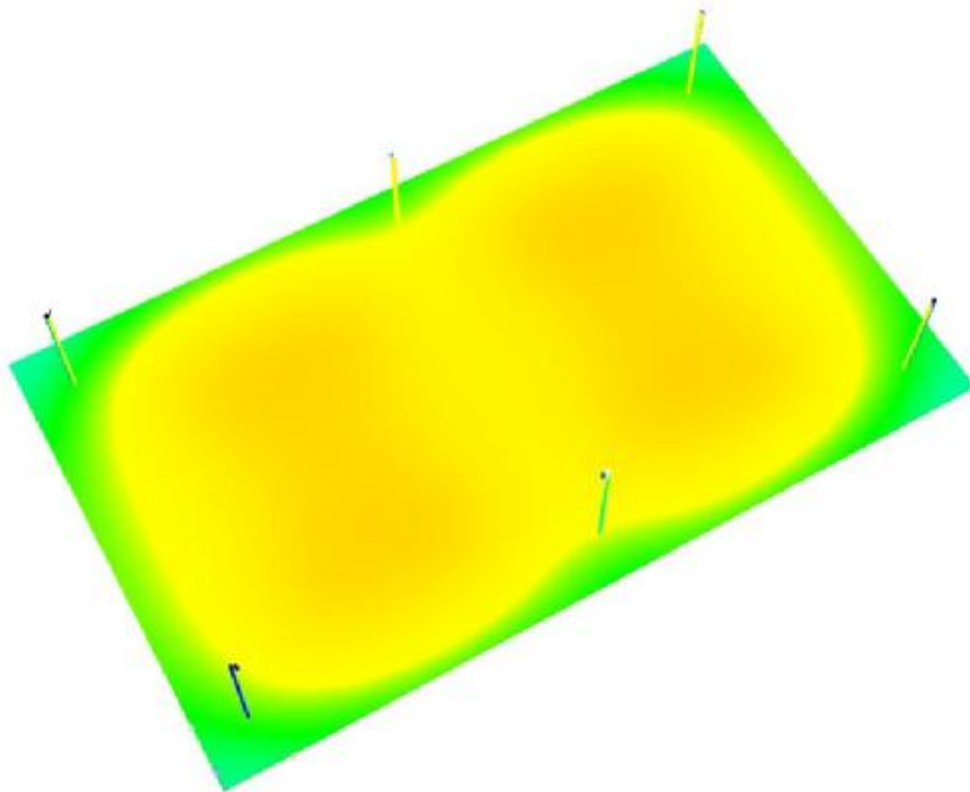
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Horse Arena / 3D Rendering



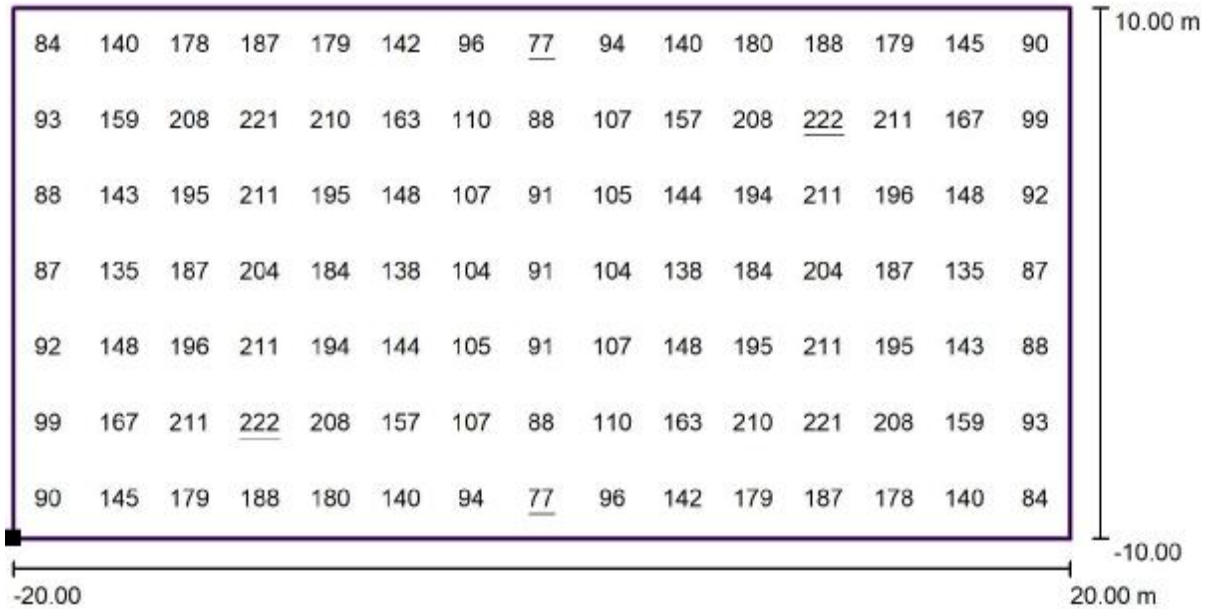
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Horse Arena / False Colour Rendering



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Horse Arena / Calculation Grid / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 286

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



Grid: 15 x 7 Points

E_{av} [lx]
150

E_{min} [lx]
77

E_{max} [lx]
222

u_0
0.51

E_{min} / E_{max}
0.35