

The LED Store Tennis Court Sample Area - 200 Lux ClassIII Training Standard

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: 22.11.2020
Operator: The LED Store

Operator The LED Store
Telephone 03333 444 943
Fax 03333 444 943
e-Mail sales@theledstore.co

Table of contents

The LED Store Tennis Court Sample Area - 200 Lux ClassIII Training ...	
Project Cover	1
Table of contents	2
The LED Store LSTSAL-300 300W LED FLOOD SPORTS AREA LIGHT / EXTERIO...	
Luminaire Data Sheet	3
Tennis Court	
Planning data	4
Luminaire parts list	5
3D Rendering	6
False Colour Rendering	7
Exterior Surfaces	
Calculation Grid (PPA)	
Value Chart (E, Perpendicular)	8

Operator The LED Store
Telephone 03333 444 943
Fax 03333 444 943
e-Mail sales@theledstore.co

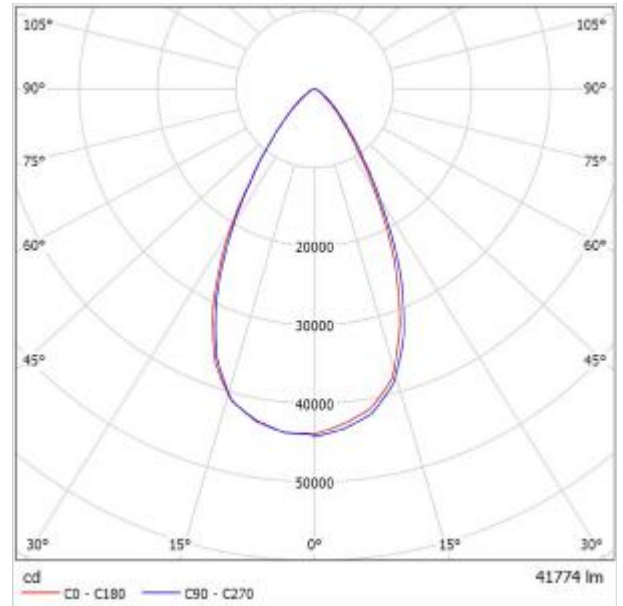
The LED Store LSTSAL-300 300W LED FLOOD SPORTS AREA LIGHT / EXTERIOR CAR PARK FLOOD LIGHTING 60 Degree Beam Angle / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.



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

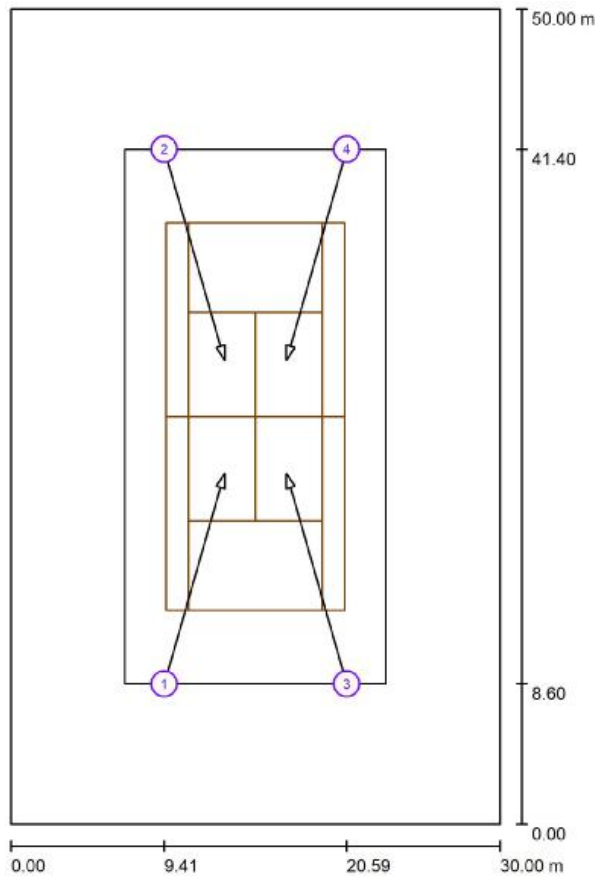
Luminous emittance 1:



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

Operator The LED Store
 Telephone 03333 444 943
 Fax 03333 444 943
 e-Mail sales@theledstore.co

Tennis Court / Planning data



Maintenance factor: 0.80, Mounting Height: 6.000m, ULR (Upward Light Ratio): 12.5%

Scale 1:464

Luminaire Parts List

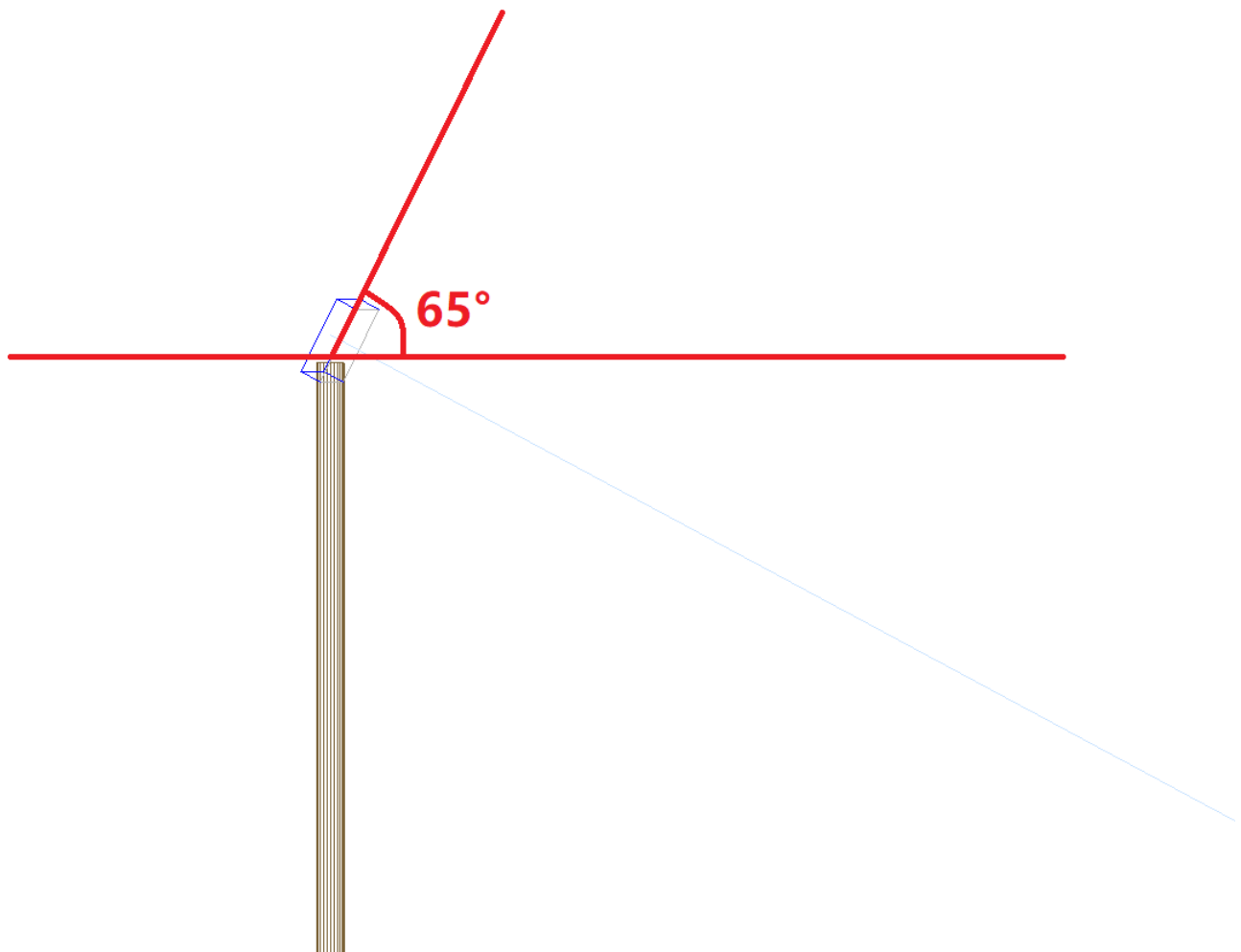
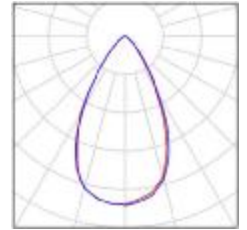
No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	4	The LED Store LSTSAL-300 300W LED FLOOD SPORTS AREA LIGHT / EXTERIOR CAR PARK FLOOD LIGHTING 60 Degree Beam Angle (1.000)	41774	41774	300.3
Total:			167097	Total: 167097	1201.2

Operator The LED Store
Telephone 03333 444 943
Fax 03333 444 943
e-Mail sales@theledstore.co

Tennis Court / Luminaire parts list

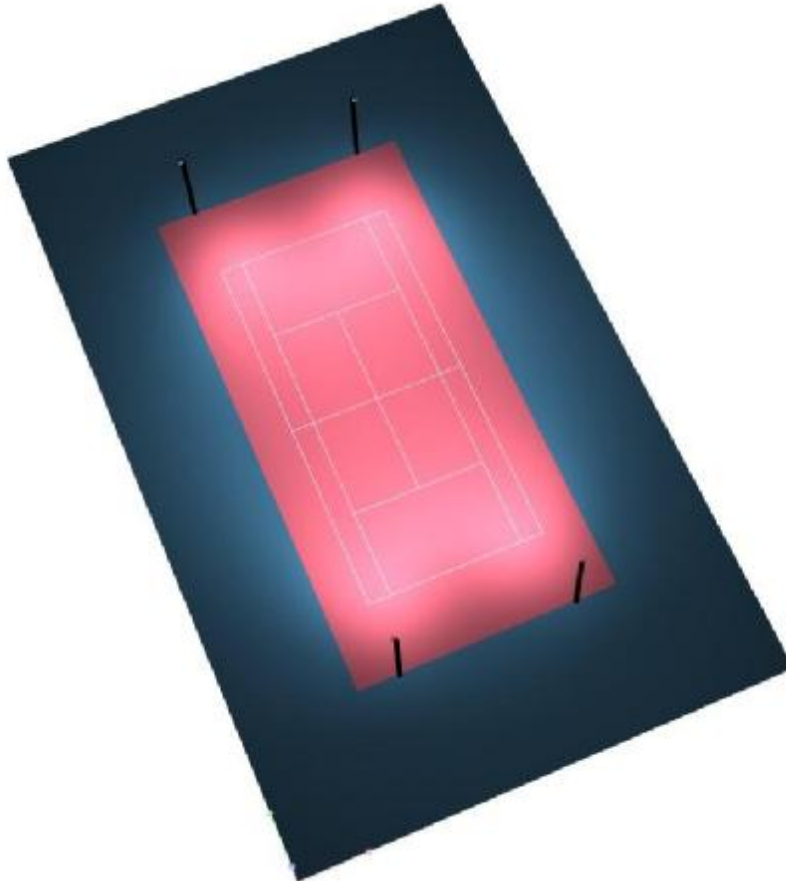
4 Pieces The LED Store LSTSAL-300 300W LED FLOOD SPORTS AREA LIGHT / EXTERIOR CAR PARK FLOOD LIGHTING 60 Degree Beam Angle
Article No.: LSTSAL-300
Luminous flux (Luminaire): 41774 lm
Luminous flux (Lamps): 41774 lm
Luminaire Wattage: 300.3 W
Luminaire classification according to CIE: 100
CIE flux code: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

See our luminaire catalog for an image of the luminaire.



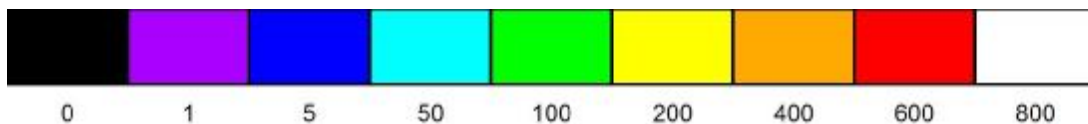
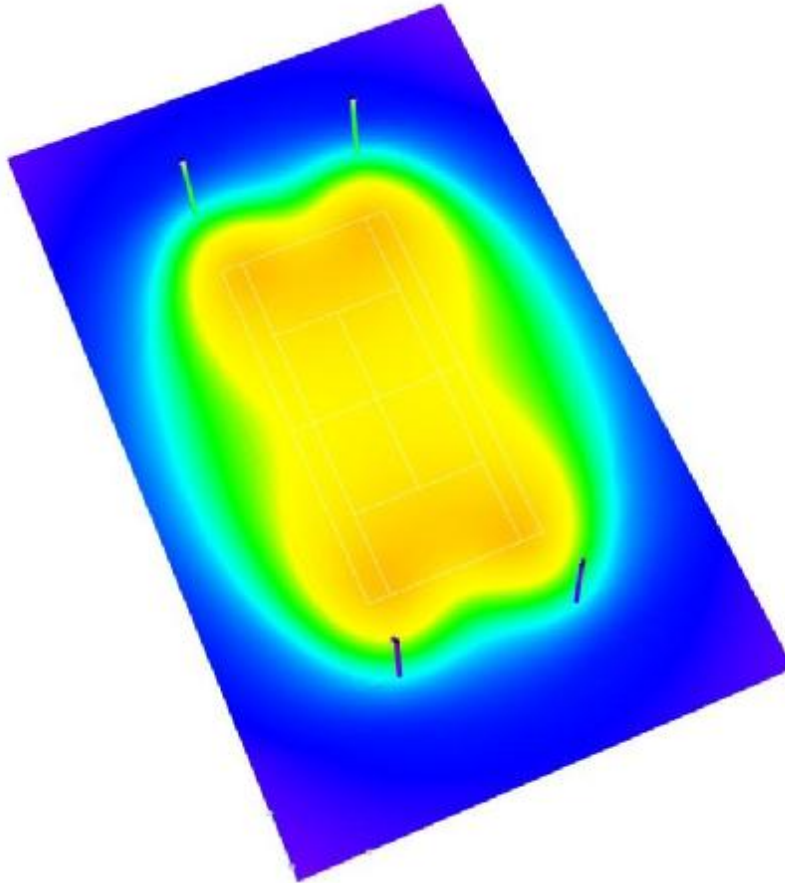
Operator The LED Store
Telephone 03333 444 943
Fax 03333 444 943
e-Mail sales@theledstore.co

Tennis Court / 3D Rendering



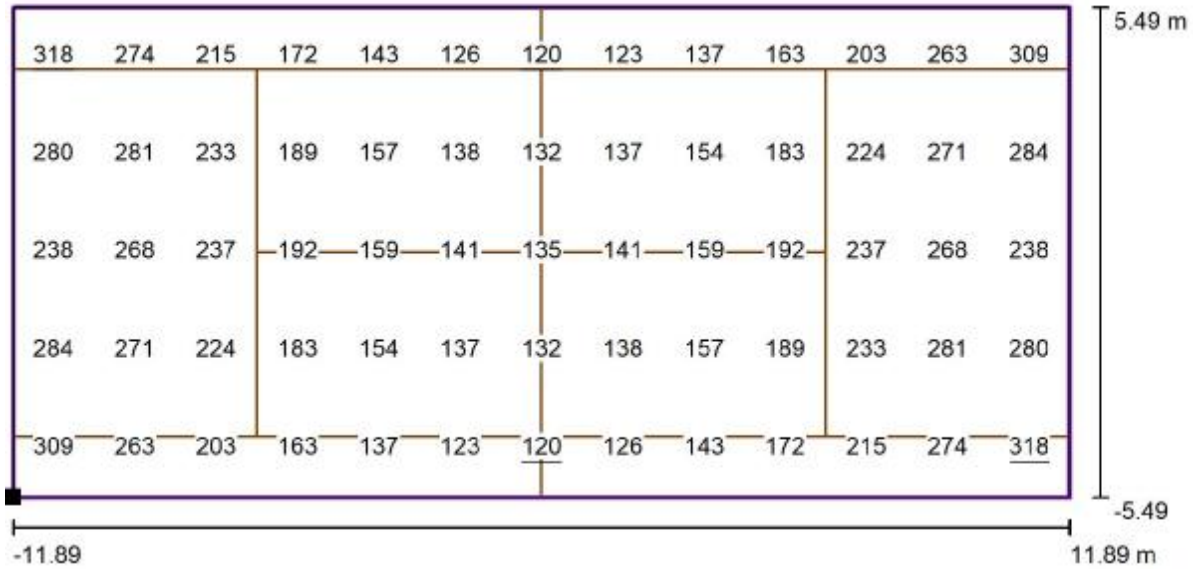
Operator The LED Store
Telephone 03333 444 943
Fax 03333 444 943
e-Mail sales@theledstore.co

Tennis Court / False Colour Rendering



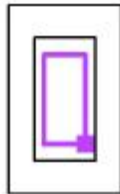
Operator The LED Store
 Telephone 03333 444 943
 Fax 03333 444 943
 e-Mail sales@theledstore.co

Tennis Court / Calculation Grid (PPA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 170

Position of surface in external scene:
 Marked point: (20.486 m, 13.113 m, 0.000 m)



Grid: 13 x 5 Points

E_{av} [lx]
201

E_{min} [lx]
120

E_{max} [lx]
318

u_0
0.60

E_{min} / E_{max}
0.38