

HOUGH END SPORTS VILLAGE

Installation : EXT

Project number :

Customer : VAUGHAN

Processed by : Alex

Date : 14.07.2023

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

1 Luminaire data

1.1 Southgate Lighting Ltd., Vega 13120Lm LED Flood... (SGL/LED/13120/V...)

1.1.1 Data sheet

Manufacturer: Southgate Lighting Ltd.

SGL/LED/13120/VEGA/OPT1/2700K

Vega 13120Lm LED Flood Light Optic 1 2700K

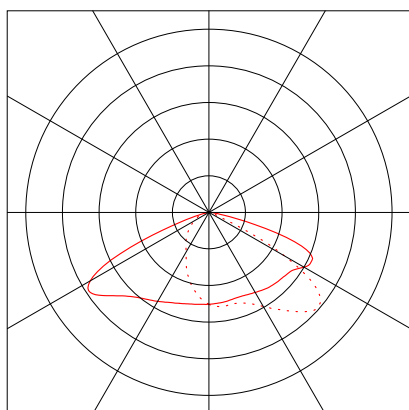
Luminaire data

Luminaire efficiency : 99.99%
Luminaire efficacy : 164.41 lm/W
Classification : A30 ↓100.0% ↑0.0%
CIE Flux Codes : 37 78 99 100 100
UGR 4H 8H : 36.2 / 24.1
Power : 75 W
Luminous flux : 12330.8 lm

Equipped with

Quantity : 1
Designation : B
Colour : 2700k
Luminous flux : 12332 lm
Colour reproduction : 80

Dimensions : 420 mm x 265 mm x 50 mm



1 Luminaire data

1.2 Southgate Lighting Ltd., Wall Pack 1610Lm LED I... (SGL/LED/1610/WP...)

1.2.1 Data sheet

Manufacturer: Southgate Lighting Ltd.

SGL/LED/1610/WP/IP65/350mA

Wall Pack 1610Lm LED IP65 350mA

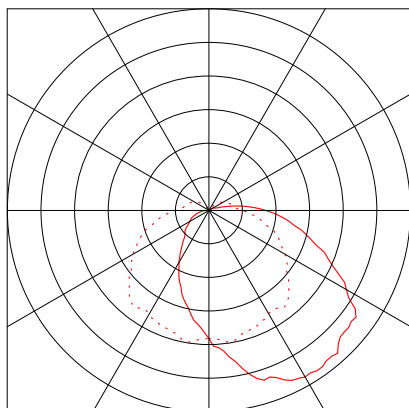
Luminaire data

Luminaire efficiency : 98.3902%
Luminaire efficacy : 119.18 lm/W
Classification : B31 ↓87.5% ↑12.5%
CIE Flux Codes : 35 63 85 87 98
UGR 4H 8H : 23.3 / 21.4
Power : 9.7 W
Luminous flux : 1156.1 lm

Equipped with

Quantity : 1
Designation : Tridonic CLE
G3 220mm
Colour : 4000K
Luminous flux : 1175 lm
Colour reproduction : >80

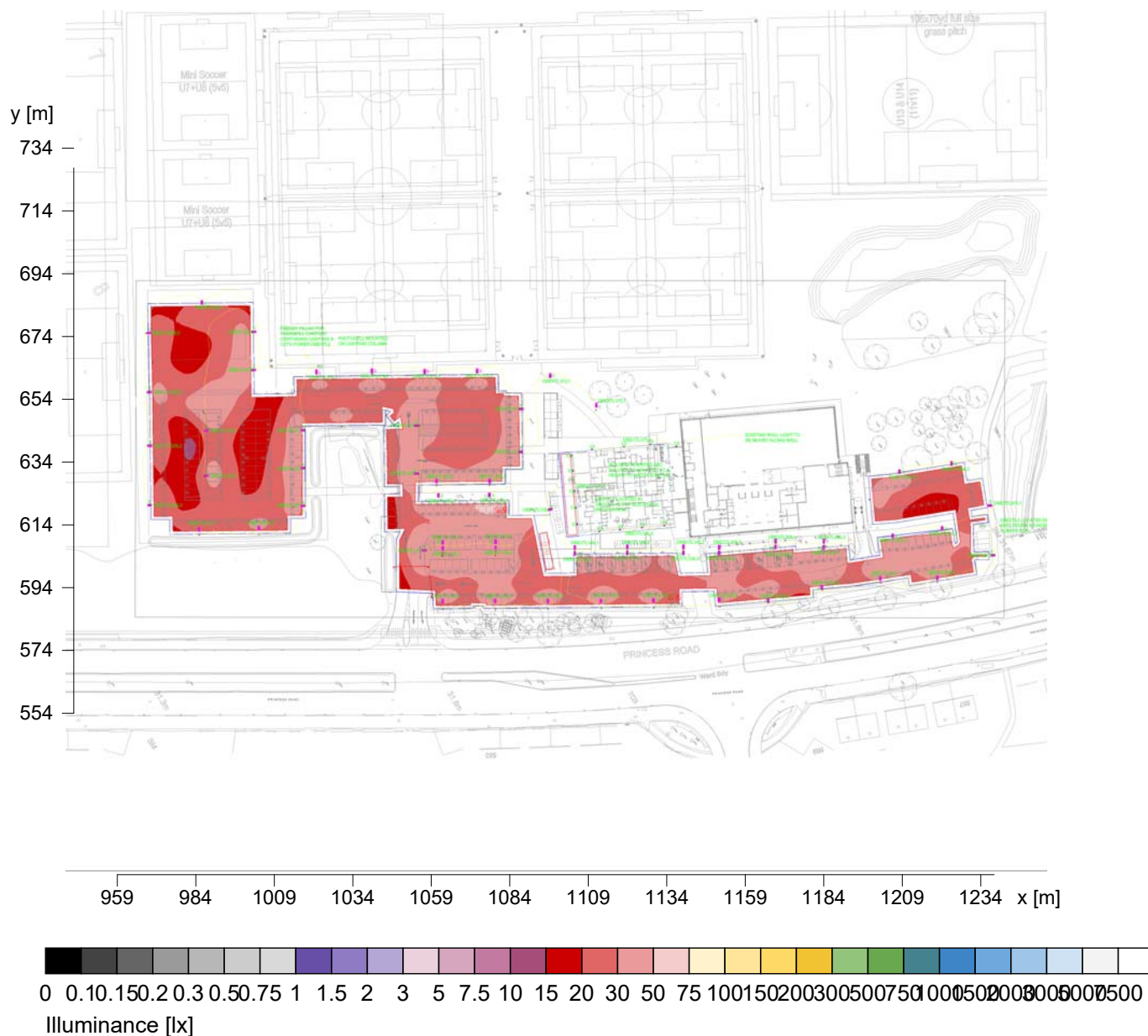
Dimensions : 288 mm x 182 mm x 308 mm



2 Exterior 1

2.1 Calculation results, Exterior 1

2.1.1 Pseudo colours, Reference plane 2.1 (E)



Height reference plane

Average illuminance

Minimum illuminance

Maximum illuminance

Uniformity U_0

Diversity U_d

: 0.00 m

$\bar{E}_m$: 28.6 lx

E_{min} : 14.1 lx

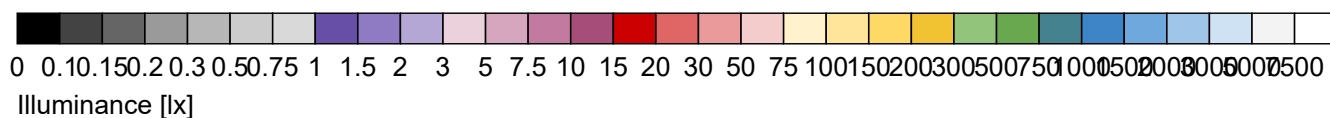
E_{max} : 62 lx

$E_{min}/\bar{E}_m$: 1 : 2.03 (0.49)

E_{min}/E_{max} : 1 : 4.39 (0.23)

2.1 Calculation results, Exterior 1

2.1.2 Pseudo colours, Reference plane 3.1 (E)



Height reference plane
 Average illuminance
 Minimum illuminance
 Maximum illuminance
 Uniformity U_0
 Diversity U_d

: 0.00 m
 $\bar{E}_m$: 20.5 lx
 E_{min} : 12 lx
 E_{max} : 36 lx
 $E_{min}/\bar{E}_m$: 1 : 1.72 (0.58)
 E_{min}/E_{max} : 1 : 3.01 (0.33)