

KINGSWAY HIGH SCHOOL

Installation : EXTERNAL

Project number :

Customer :

Processed by : Alex

Date : 07.02.2023

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.

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1 Luminaire data

1.1 Southgate Lighting, Tethys 2124Lm LED (SGL/LED/2124/TEH)

1.1.1 Data sheet

Manufacturer: Southgate Lighting

SGL/LED/2124/TEH

Tethys 2124Lm LED

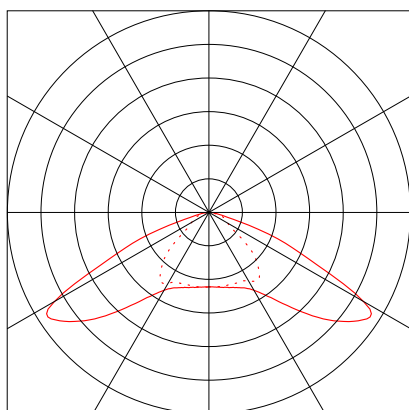
Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 117.64 lm/W
Classification : A30 ↓100.0% ↑0.0%
CIE Flux Codes : 40 81 98 100 100
UGR 4H 8H : 30.2 / 21.3
Power : 14.8 W
Luminous flux : 1741 lm

Equipped with

Quantity : 1
Designation : LED
Colour : 4000K
Luminous flux : 1741 lm
Colour reproduction : 1B

Dimensions : 240 mm x 200 mm x 105 mm



1

Luminaire data

1.2

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

1.2.1

Data sheet

Manufacturer: Southgate Lighting Ltd.

SGL/LED/13120/VEGA/OPT1

Vega 13120Lm LED Flood Light Optic 1

Luminaire data

Luminaire efficiency

Luminaire efficacy

Classification

CIE Flux Codes

UGR 4H 8H

Power

Luminous flux

: 99.99%

: 174.92 lm/W

: A30 ↓100.0% ↑0.0%

: 37 78 99 100 100

: 36.4 / 24.3

: 75 W

: 13118.7 lm

Equipped with

Quantity

Designation

Colour

Luminous flux

Colour reproduction

: 1

: B

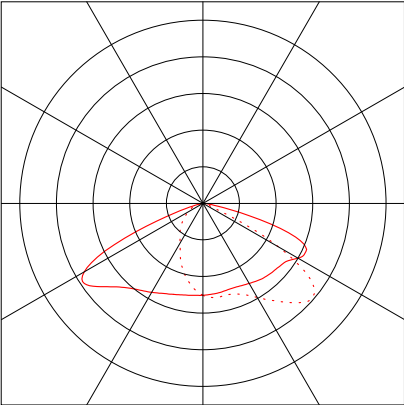
: 4000k

: 13120 lm

: 80

Dimensions

: 420 mm x 265 mm x 50 mm

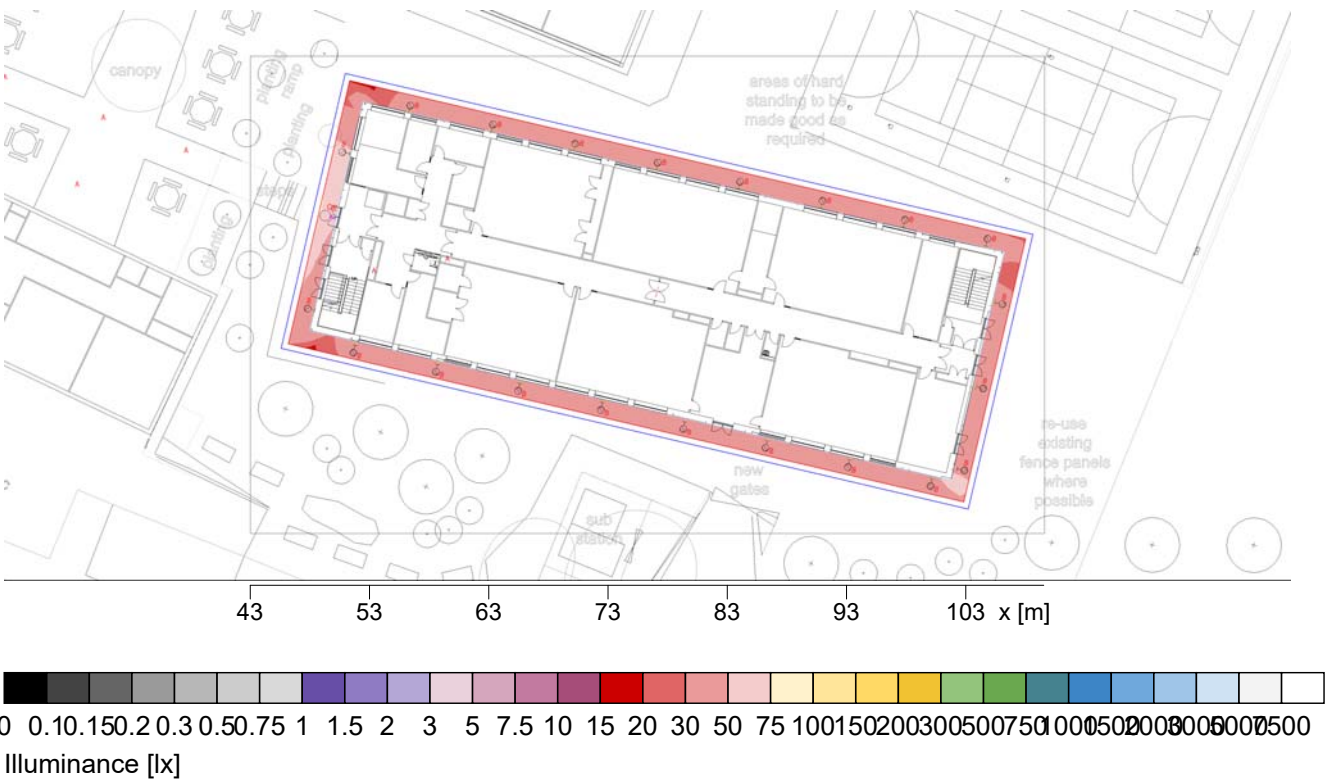


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2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Evaluation area 0



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
0.80

Total luminous flux
Total power
Total power per area (1396.72 m²)

49681.00 lm
385.8 W
0.28 W/m² (0.70 W/m²/100lx)

Evaluation area 0

Reference plane 1

Em	39.7 lx
Emin	23.4 lx
Emin/Em (Uo)	0.59
Emin/Emax (Ud)	0.35
Position	0.00 m

Type No.\Make

Southgate Lighting

1 21 x Order No. : SGL/LED/2124/TEH
 Luminaire name : Tethys 2124Lm LED
 Equipment : 1 x LED 14.8 W / 1741 lm

Southgate Lighting Ltd.

2 1 x Order No. : SGL/LED/13120/VEGA/OPT1
Luminaire name : Vega 13120Lm LED Flood Light Optic 1
Equipment : 1 x B 75 W / 13120 lm