

Camley Street External Landscaping Area

Installation : V1

Project number : VX 606294

Customer :

Processed by : sl / fStr

Date : 11.01.2021

Project description:

Lif Top-Element | 2.700K (Tritec Ambiance)

Revision (09.09.2020) : Changed positions according to new CAD-plan

Revision (11.01.2021) : Changed to new CAD-plan, changed luminaire positions and calculation surfaces

V1 : Calculated with Tritec Ambiance (2.700K)

Lichttechnische Ergebnisse und Daten vorbehaltlich technischer Änderungen.

Die aufgeführten Artikelnummern und Produktbezeichnungen können von der tatsächlich im Projekt benötigten Ausführungsvariante (z.B. Farbe, Betriebsgerät, Steuerung) abweichen.

Für Bestellungen sind die Artikelnummern aus den separat übermittelten Angeboten, Datenblätter o.ä. zu entnehmen.

Zur freundlichen Beachtung: Die Lichtberechnung dient als Empfehlung unter Berücksichtigung gängiger Normen/Standards.

Die Verantwortung der Prüfung/Bewertung der angenommenen Anforderungen/Ergebnisse, sowie deren Relevanz für das tatsächliche Projekt obliegt dem Planer/Auftraggeber und kann nicht auf den Hersteller übertragen werden.

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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selux

1 Luminaire data

1.1 selux, Lif Top-Element (SX 2001 41216-9)

1.1.1 Data sheet

Manufacturer: selux

selux

SX 2001 41216-9 EXTERIOR - Lateral mounted fitting Lif Top-Element

light stack

asymmetric

electronic converter DALI

housing made of die-cast aluminium, suitable for ambient temperatures up to 35° C

diffuser of clear PMMA

Optical system: Tritec Optic, fourfold, for precise light control

colour: Selux graphite or choice of colours, Weight: 13,0 kg, IP65

Luminaire data

Absolute Photometry

Luminaire efficacy : 107.55 lm/W

Classification : A21 ↓91.3% ↑8.7%

CIE Flux Codes : 22 58 87 91 100

Glare : n/a / D3

Control gear : unknown

Power : 53 W

Luminous flux : 5700 lm

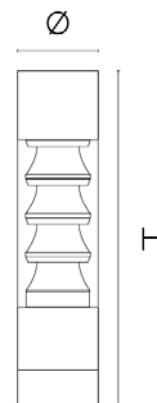
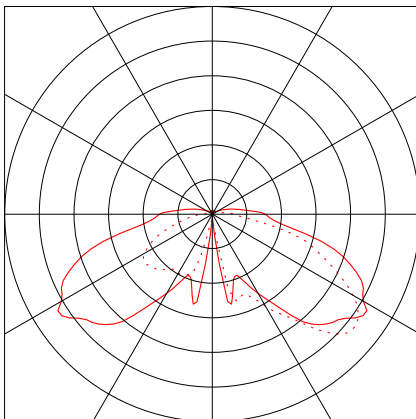
Equipped with

Quantity : 1

Designation : LED

Colour : 2700K (CRI 80)

Dimensions : Ø180 mm x 748 mm

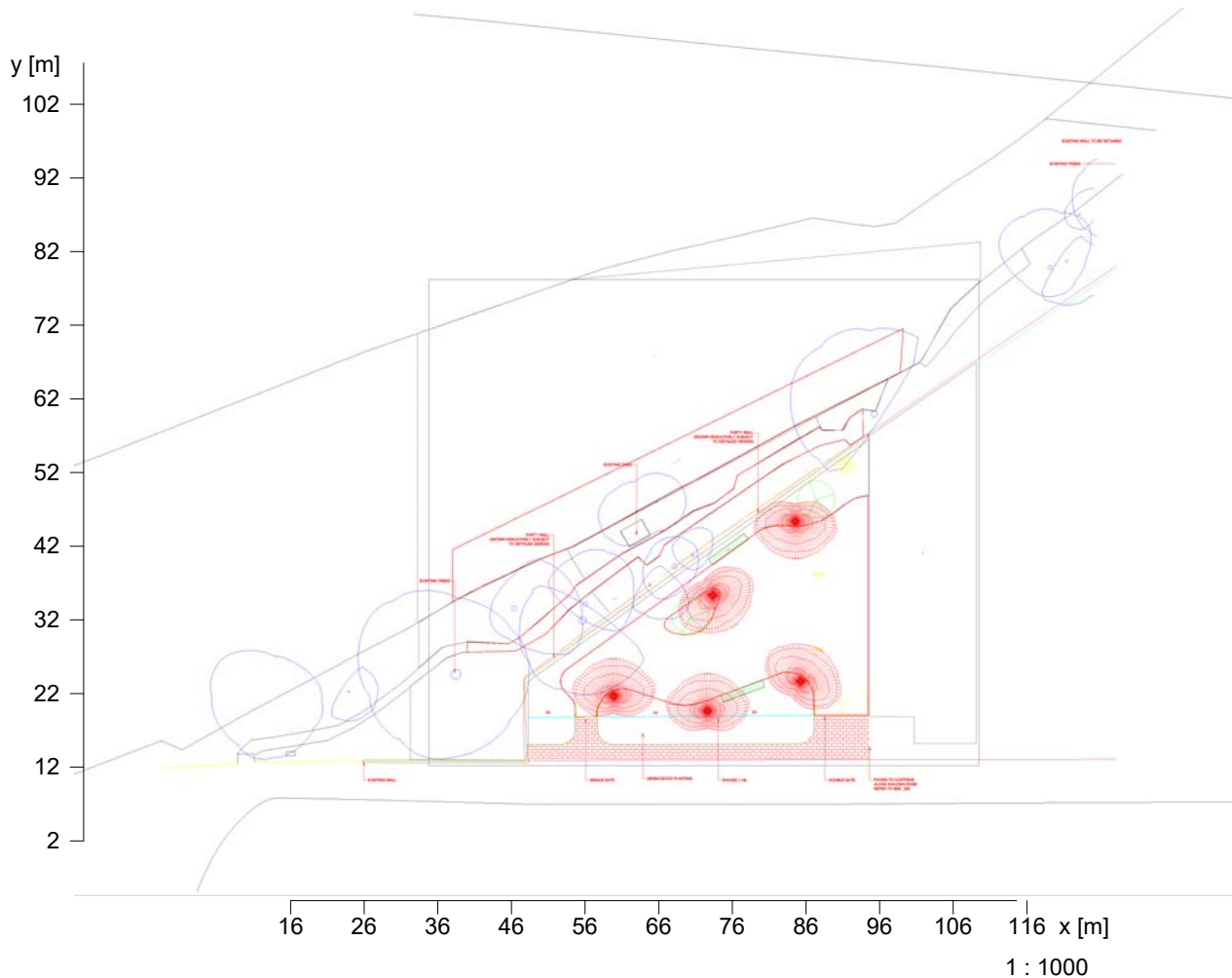


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2 Exterior - V1

2.1 Description, Exterior - V1

2.1.1 Floor plan

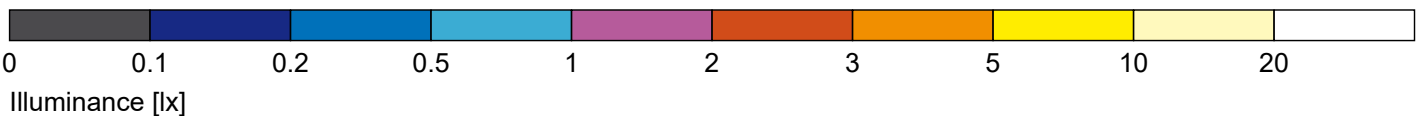
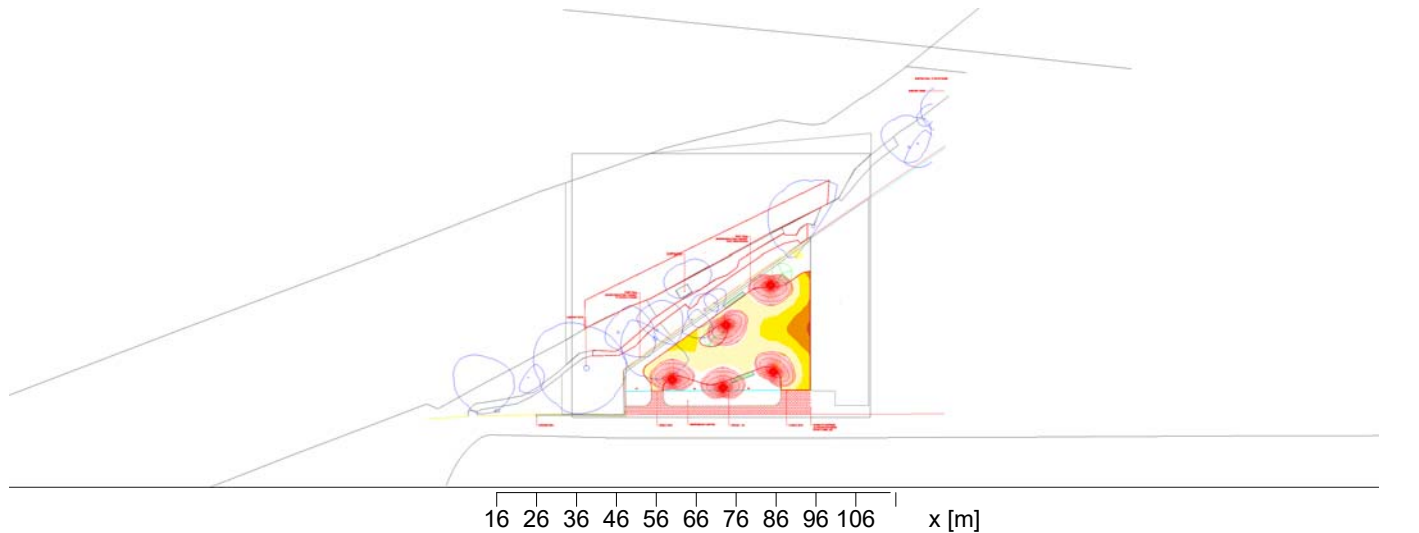


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2 Exterior - V1

2.2 Summary, Exterior - V1

2.2.1 Result overview, Playground



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.10 m
Height (phot.center) [m]:	4.15 m
Maintenance factor	0.80
Total luminous flux of all lamps	28500 lm
Total power	265 W
Total power per area (4922.79 m²)	0.05 W/m²

Illuminance

Average illuminance	Em	15.5 lx
Minimum illuminance	Emin	3 lx
Maximum illuminance	Emax	30.2 lx
Uniformity Uo	Emin/Em	1:5.18 (0.19)
Diversity Ud	Emin/Emax	1:10.1 (0.1)

Type No.\Make

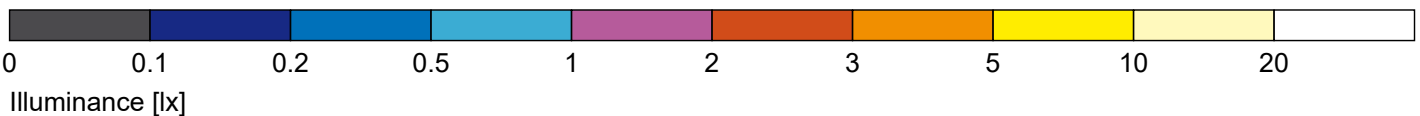
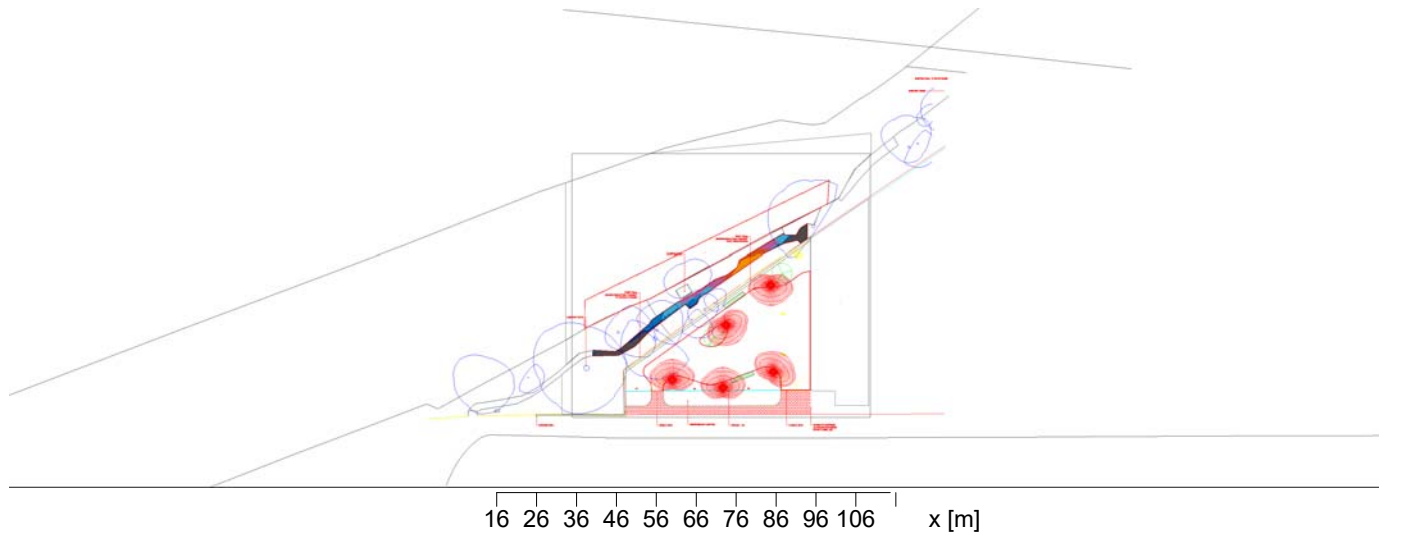
1	5	selux	
		Order No.	: SX 2001 41216-9
		Luminaire name	: Lif Top-Element
		Equipment	: 1 x LED 53 W / 5700 lm



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2.2 Summary, Exterior - V1

2.2.2 Result overview, Pathway near water (for testing)



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.10 m
Height (phot.center) [m]:	4.15 m
Maintenance factor	0.80
Total luminous flux of all lamps	28500 lm
Total power	265 W
Total power per area (4922.79 m²)	0.05 W/m²

Illuminance

Average illuminance	Em	0.96 lx
Minimum illuminance	Emin	0 lx
Maximum illuminance	Emax	4.4 lx
Uniformity Uo	Emin/Em	1:--- (---)
Diversity Ud	Emin/Emax	1:--- (---)

Type No.\Make

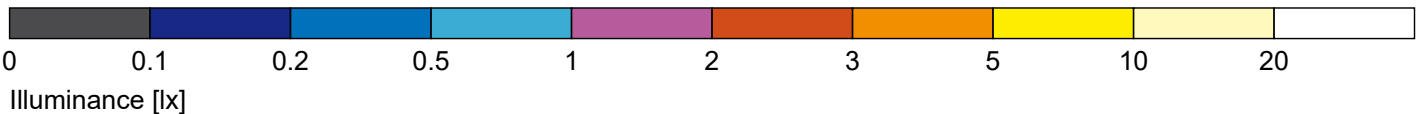
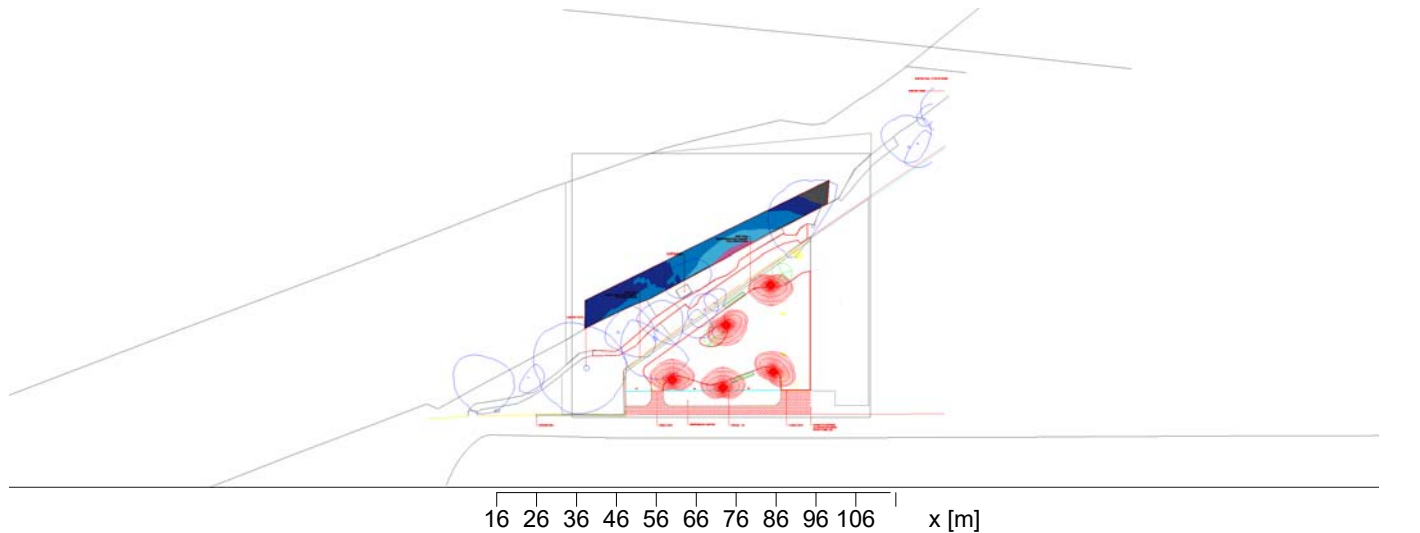
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2.2 Summary, Exterior - V1

2.2.3 Result overview, Water surface (for testing)



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.10 m
Height (phot.center) [m]:	4.15 m
Maintenance factor	0.80
Total luminous flux of all lamps	28500 lm
Total power	265 W
Total power per area (4922.79 m²)	0.05 W/m²

Illuminance

Average illuminance	Em	0.31 lx
Minimum illuminance	Emin	0.05 lx
Maximum illuminance	Emax	1.31 lx
Uniformity Uo	Emin/Em	1:6 (0.17)
Diversity Ud	Emin/Emax	1:25.3 (0.04)

Type No. \ Make

1	5	selux	
		Order No.	: SX 2001 41216-9
		Luminaire name	: Lif Top-Element
		Equipment	: 1 x LED 53 W / 5700 lm

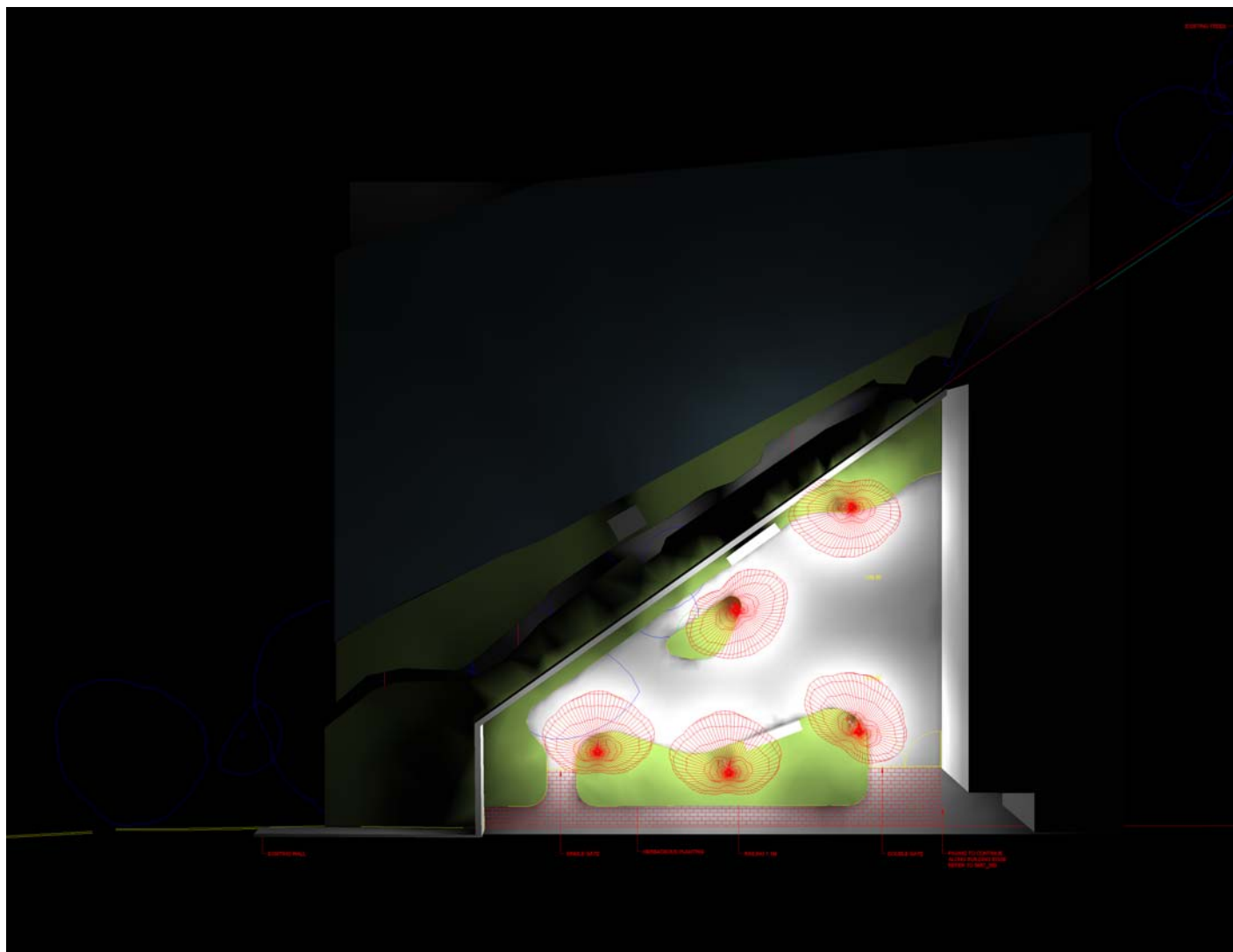


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2.3 Calculation results, Exterior - V1

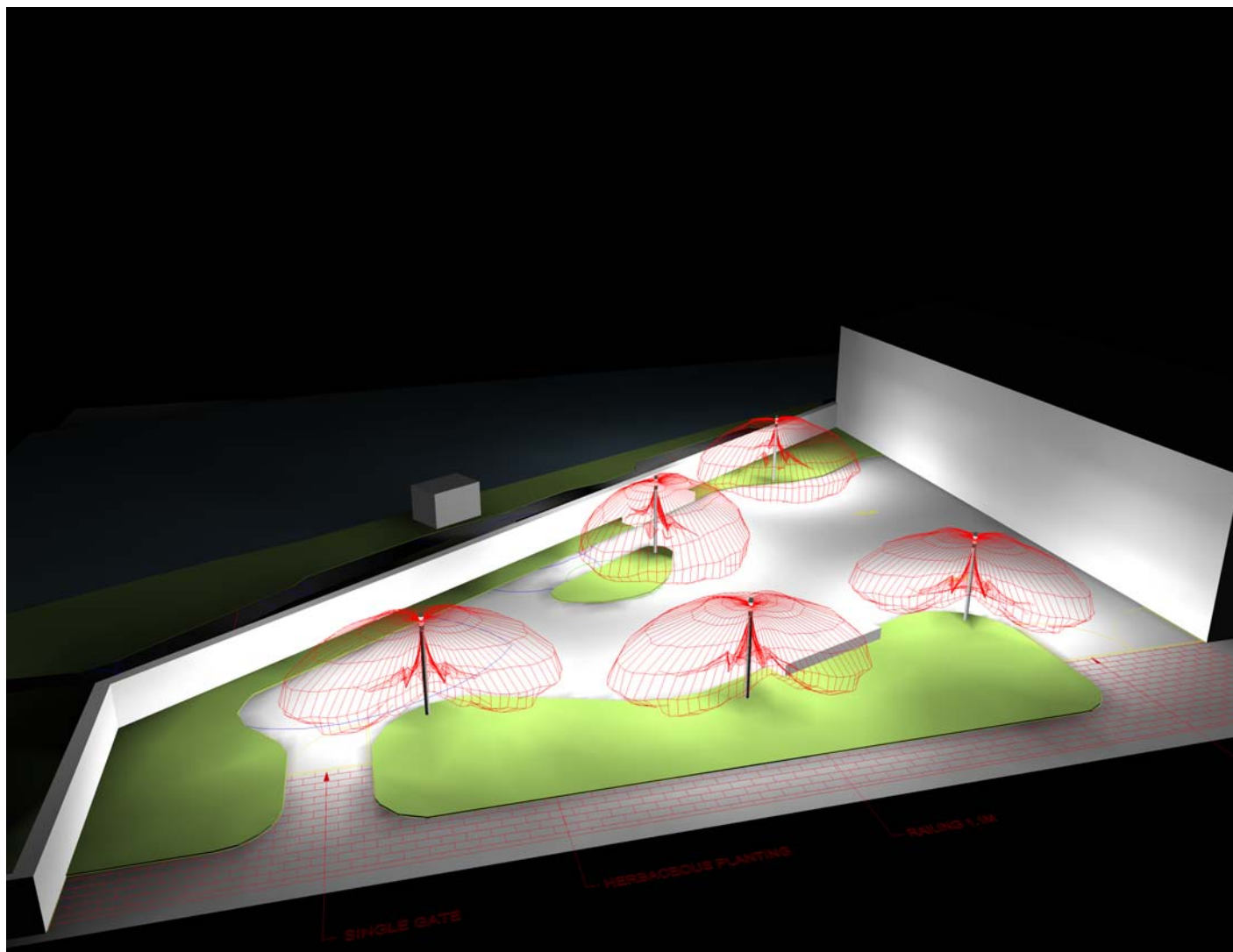
2.3.1 3D luminance, 1



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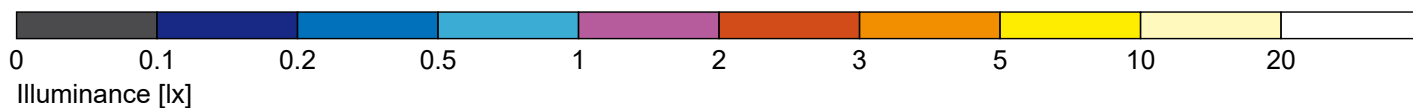
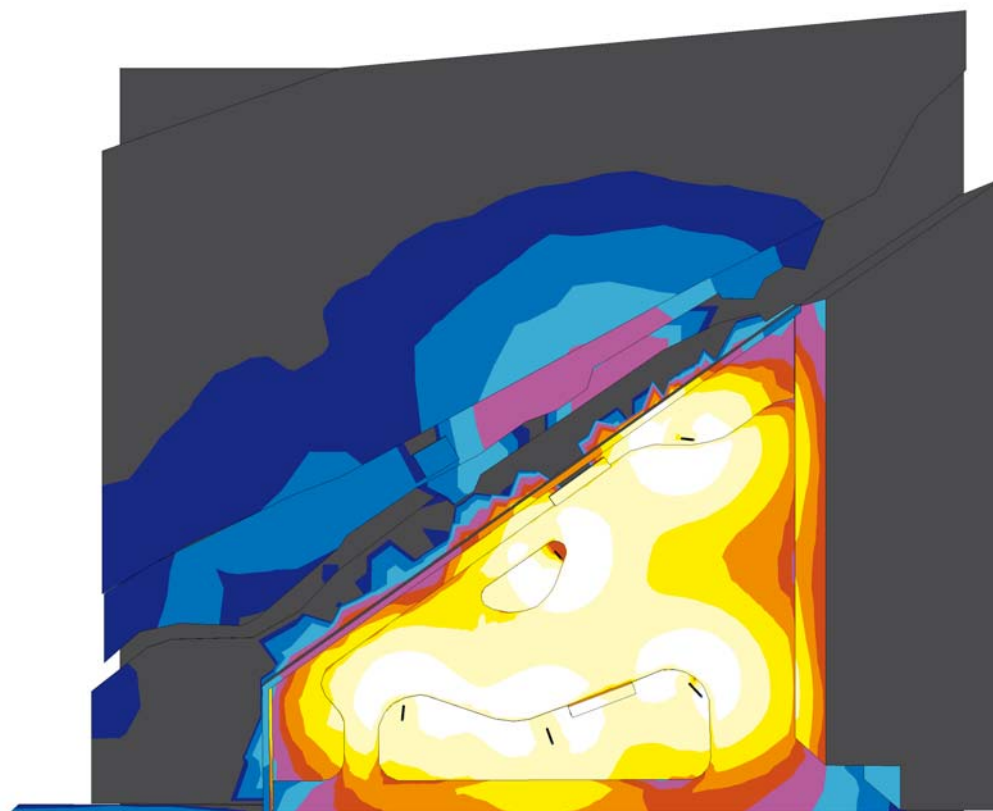
2.3 Calculation results, Exterior - V1

2.3.2 3D luminance, 2



2.3 Calculation results, Exterior - V1

2.3.3 3D pseudo colours, 1 (E)



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2.3 Calculation results, Exterior - V1

2.3.4 3D pseudo colours, 2 (E)

