

Ashbrook

Installation : External

Project number : 210540

Customer :

Processed by : Carl Brady

Date : 02.08.2021

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 Whitecroft Lighting, SIROCCO PARK (SIPAHE14K)

1.1.1 Data sheet

Manufacturer: Whitecroft Lighting



SIPAHE14K Wall / pole mounted luminaire SIROCCO PARK
SIROCCO PARK IP66 LED ASYMMETRIC

ultra slim post top lantern with asymmetric distribution and zero upward light. Die cast aluminium body with integrated cooling fins and thermal shock resistant clear tempered glass. Electronic control gear with voltage surge protection and insulated safety switch. With 60mm diameter spigot for post top or side entry column mounting. Optional wall mounting bracket (order separately).

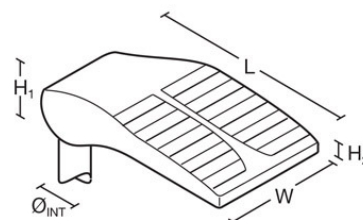
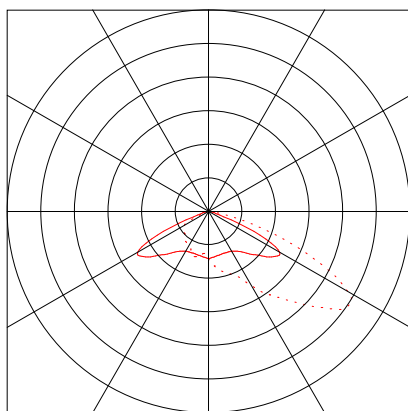
Luminaire data

Absolute Photometry
 Luminaire efficacy : 143.74 lm/W
 Classification : A30 ↓100.0% ↑0.0%
 CIE Flux Codes : 27 66 98 100 100
 Glare : G*3 / D5
 Control gear : electronic ballast
 Power : 35 W
 Luminous flux : 5031 lm

Equipped with

Quantity : 1
 Designation : LED
 Colour : 4000K
 Colour reproduction : 80

Dimensions : 530 mm x 280 mm x 156 mm



1 Luminaire data

1.2 Whitecroft Lighting, BROADWALK RS (BRLH34KRB)

1.2.1 Data sheet

Manufacturer: Whitecroft Lighting



BRLH34KRB bollard / pole mounted luminaires BROADWALK RS
BROADWALK RS BOLLARD

P65 LED bollard in black polyester powder coated reinforced steel. With clear polycarbonate diffuser and shielded LED module for control of upward light

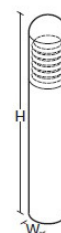
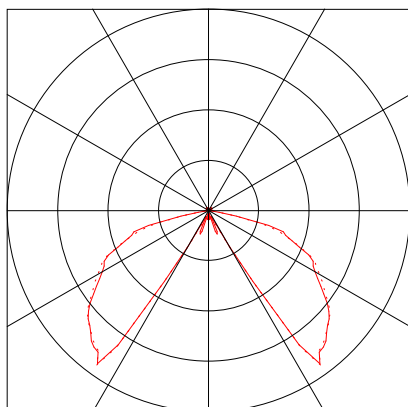
Luminaire data

Luminaire efficiency : 100%
 Luminaire efficacy : 68.57 lm/W
 Classification : A22 ↓97.1% ↑2.9%
 CIE Flux Codes : 22 66 95 97 101
 UGR 4H 8H : 23.1 / 23.9
 Control gear : electronic ballast
 Power : 14 W
 Luminous flux : 960 lm

Equipped with

Quantity : 1
 Designation : LED
 Power : 14 W
 Colour : 4000K
 Luminous flux : 960 lm
 Colour reproduction : 1B

Dimensions : Ø175 mm x 260 mm



Version	W	H	KG
Round Head	177	976	9.0

1 Luminaire data

1.3 Whitecroft Lighting, SPECTRE WX (SPXAH23K)

1.3.1 Data sheet

Manufacturer: Whitecroft Lighting



SPXAH23K wall-mounted luminaire SPECTRE WX
SPECTRE WX

IP65 wall mounted LED semi-conical luminaire with forward throw. Die cast aluminium body with thermal shock resistant clear tempered glass. Includes first fix wall mounting bracket.

Emergency Lumens:- 704lm

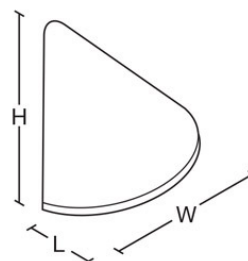
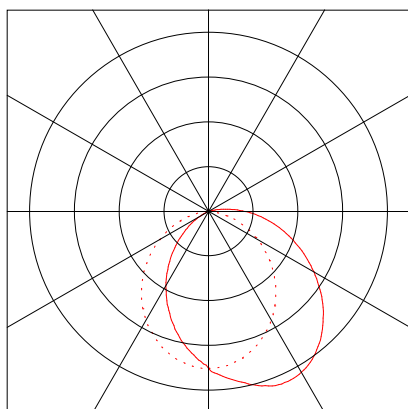
Luminaire data

Absolute Photometry
 Luminaire efficacy : 80.81 lm/W
 Classification : A40 ↓98.1% ↑1.9%
 CIE Flux Codes : 47 77 93 98 100
 UGR 4H 8H : 31.4 / 24.7
 Control gear : electronic ballast
 Power : 17 W
 Luminous flux : 1373.7 lm

Equipped with

Quantity : 1
 Designation : LED
 Colour : 3000K
 Colour reproduction : 80

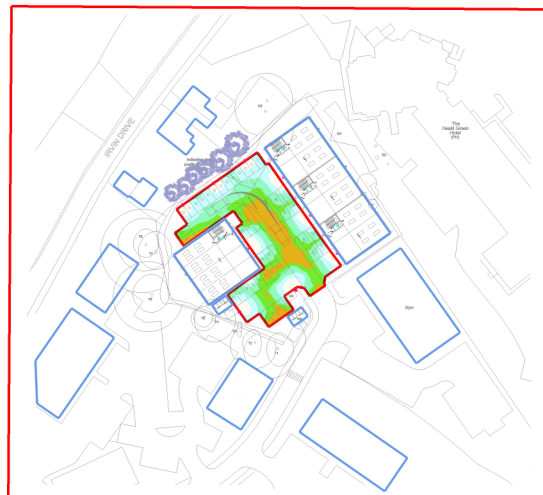
Dimensions : 375 mm x 224 mm x 329 mm



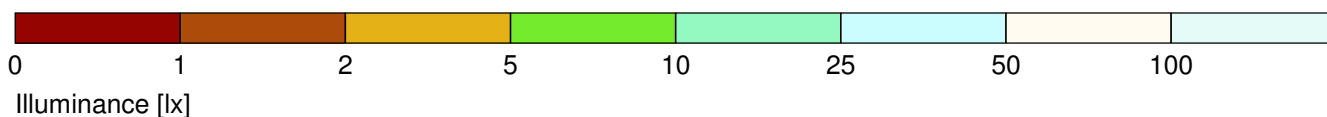
2 Exterior 1

2.1 Summary, Exterior 1

2.1.1 Result overview, car park



175 195 215 235 255 275 295 315 335 355 x [m]



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80

Total luminous flux of all lamps	48027 lm
Total power	349 W
Total power per area (26427.49 m²)	0.01 W/m²

Illuminance

Average illuminance	Em	20.2 lx
Minimum illuminance	Emin	2.4 lx
Maximum illuminance	Emax	80.4 lx
Uniformity Uo	Emin/Em	1:8.53 (0.12)
Diversity Ud	Emin/Emax	1:34 (0.03)

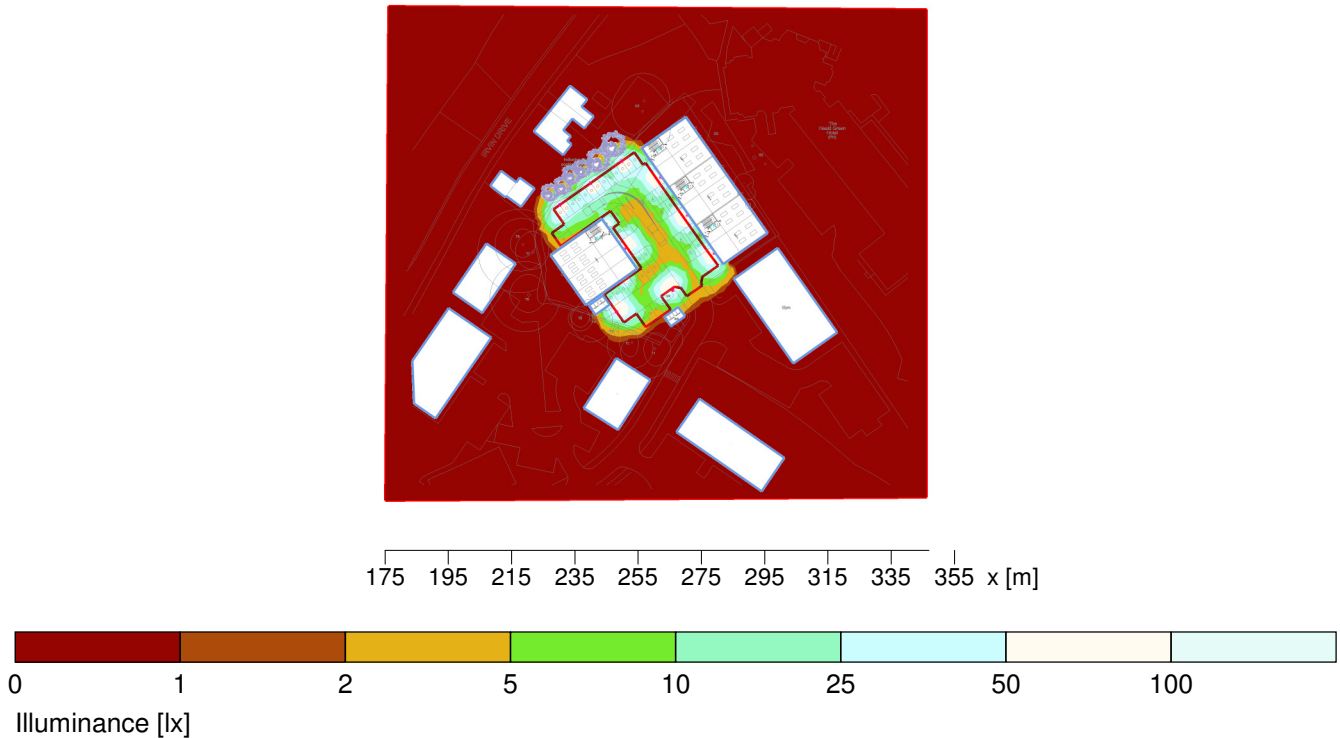
Type No. Make

Whitecroft Lighting

1	9	Order No.	: SIPAHE14K
		Luminaire name	: SIROCCO PARK
		Equipment	: 1 x LED 35 W / 5031 lm
3	2	Order No.	: SPXAH23K
		Luminaire name	: SPECTRE WX
		Equipment	: 1 x LED 17 W / 1374 lm

2.1 Summary, Exterior 1

2.1.2 Result overview, Evaluation area 1



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Total luminous flux of all lamps
 Total power
 Total power per area (26427.50 m²)

48027.00 lm
 349.0 W
 0.01 W/m² (0.91 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

Horizontal
 Em 1.45 lx
 Emin 0 lx
 Emin/Em (Uo) ---
 Emin/Emax (Ud) ---
 Position 0.00 m

Type No.\Make

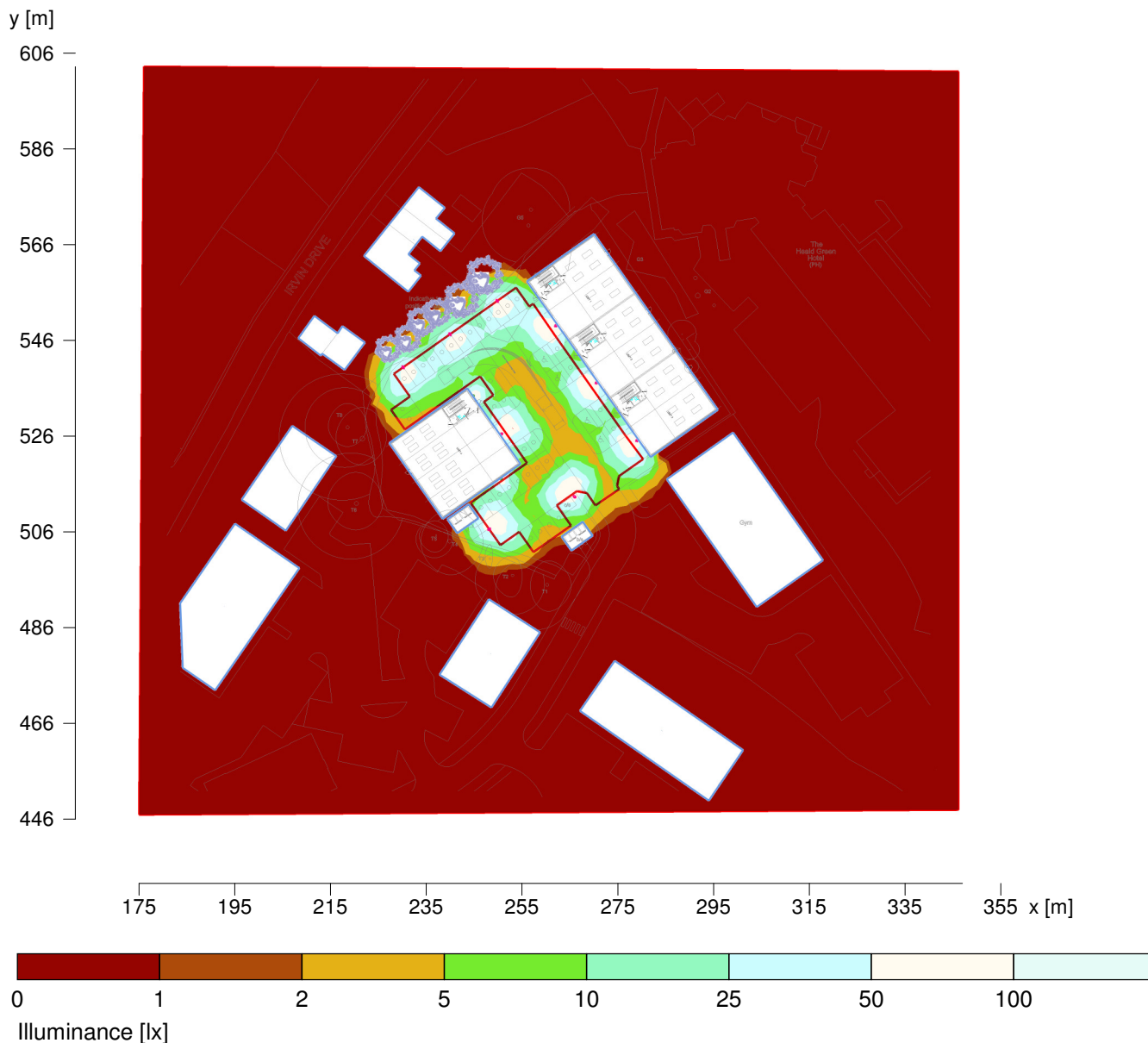
Whitecroft Lighting

1	9	Order No.	: SIPAHE14K
		Luminaire name	: SIROCCO PARK
		Equipment	: 1 x LED 35 W / 5031 lm
3	2	Order No.	: SPXAH23K
		Luminaire name	: SPECTRE WX
		Equipment	: 1 x LED 17 W / 1374 lm

2 Exterior 1

2.2 Calculation results, Exterior 1

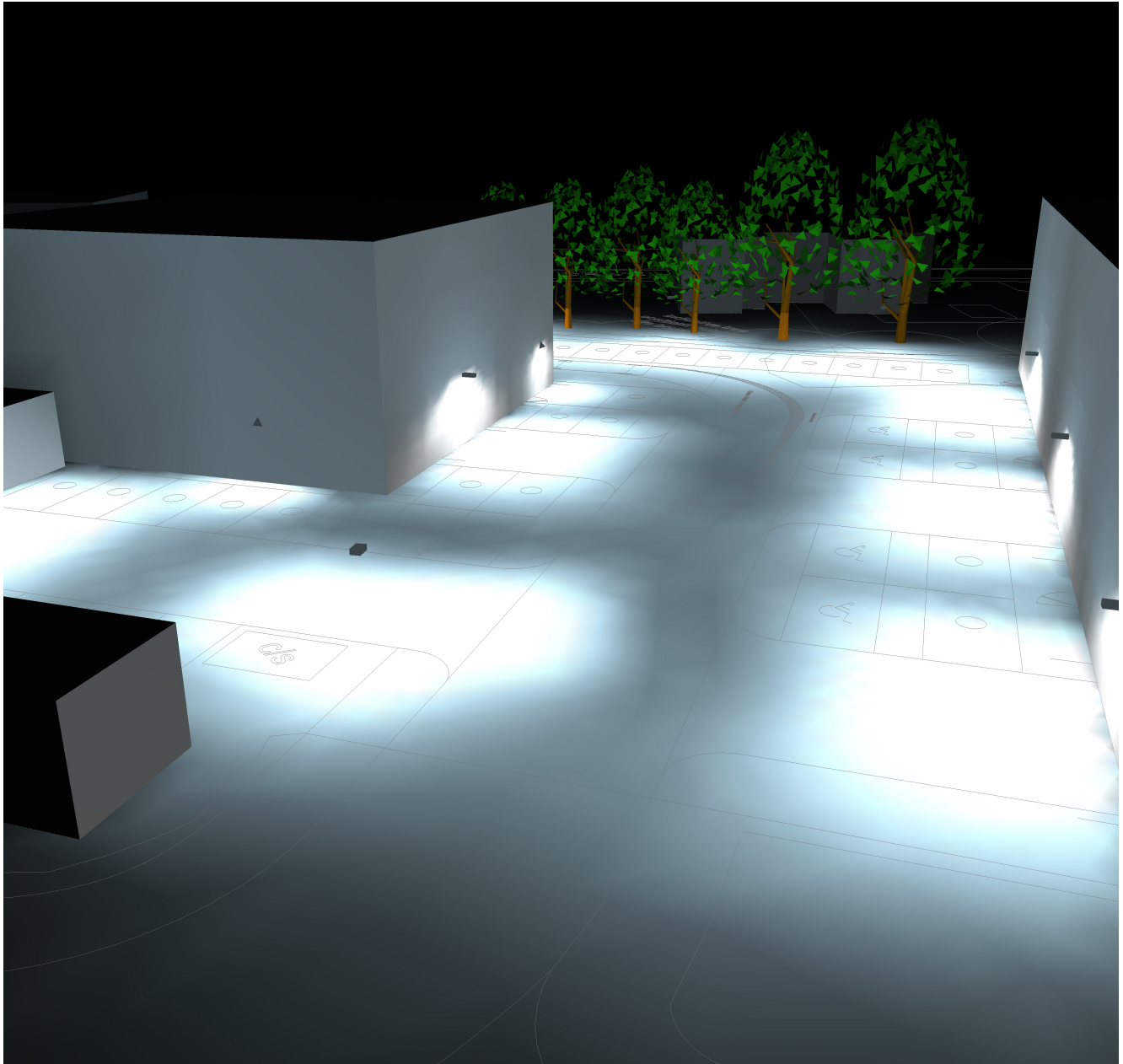
2.2.1 Pseudo colours, Reference plane 1.1 (E)



Height reference plane		: 0.00 m
Average illuminance	Em	: 1.4 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 71.9 lx
Uniformity Uo	Emin/Em	: ---
Diversity Ud	Emin/Emax	: ---

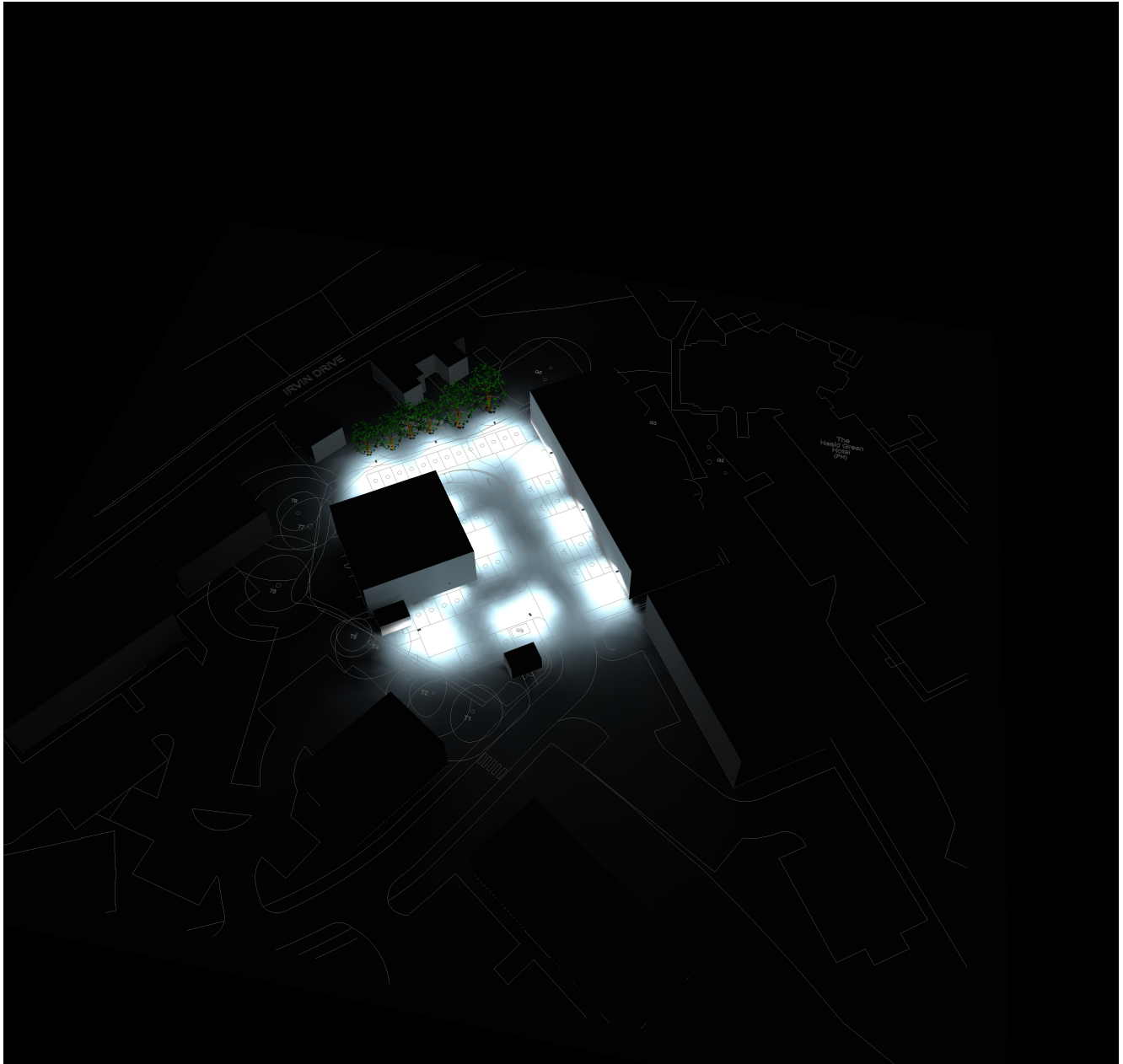
2.2 Calculation results, Exterior 1

2.2.2 3D luminance, View 1



2.2 Calculation results, Exterior 1

2.2.3 3D luminance, View 2



2.2 Calculation results, Exterior 1

2.2.4 3D luminance, View 3

