



Glovers Brow Development

Installation : New Lighting plan

Project number : QUO-864876-RCEU20

Customer :

Processed by : Nicholas Gwilliam

Date : 27.11.2025

Project description:

All room/exterior area dimensions to be checked on-site prior to ordering.

Calculation based on standard reflectance values as 70/50/20 and Maintenance Factor 0.8.

Lighting designed to CIBSE guidelines where applicable and/or client requirements, all stated lux values are for overall averages across the room reference plane.

It is the responsibility of the customer to ensure any scheme provided by Ansell meets all requirements of the end uses.

Please note - This design has been completed for the area highlighted by the customer, also it has been treated as a open area to ensure all areas have enough light.

Please ensure all information is checked before ordering.

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.

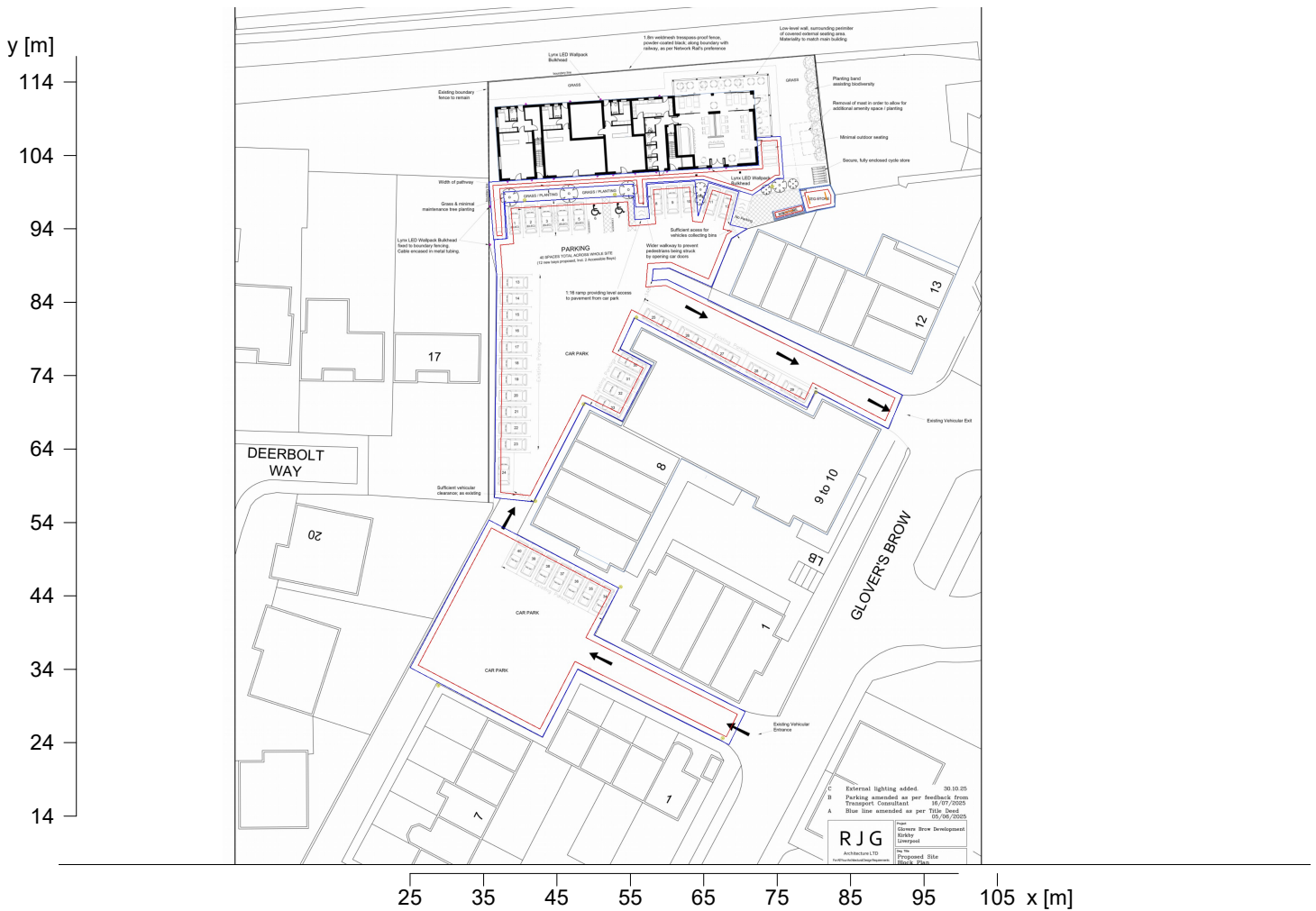
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2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Floor plan



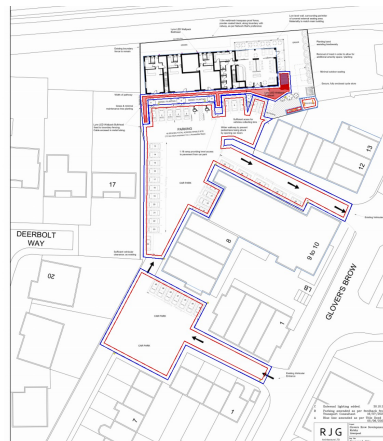
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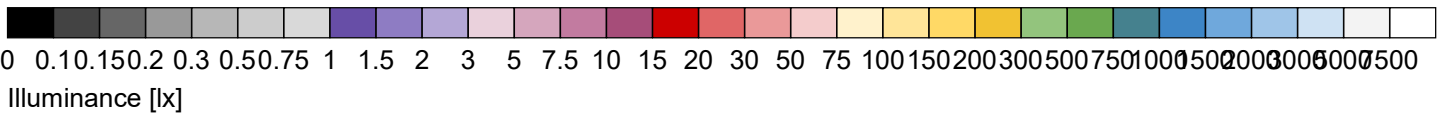
2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Walkway



25 35 45 55 65 75 85 95 105 x [m]



General


Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	5262 lm
Luminaire luminous flux	5260 lm
Total power	44.1 W
Total power per area (101.67 m ²)	0.43 W/m ² (1.35 W/m ² /100lx)

Walkway

Reference plane 1.1

	Horizontal
\bar{E}_m	32 lx
E_{min}	11.6 lx
$E_{min}/\bar{E}_m (U_0)$	0.36
$E_{min}/E_{max} (U_d)$	0.22
Position	0.00 m

Type No.\Make

2	11 x	ANSELL	
		Order No.	: AWOLF/MINI/BLK (WW 4W)
		Luminaire name	: BULKHEADS - Wolf Mini Black 3000K
		Equipment	: 1 x LED single 830 4.01 W / 478.3 lm

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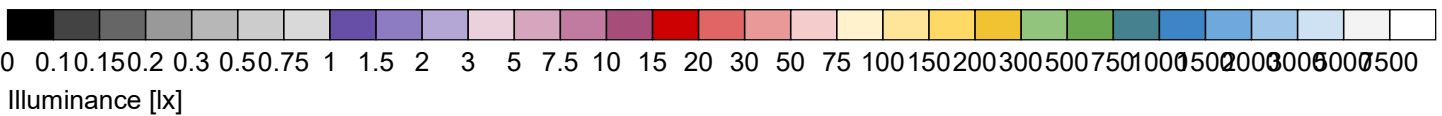


2.2 Summary, Exterior 1

2.2.2 Result overview, Parking



25 35 45 55 65 75 85 95 105 x [m]




General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	44366 lm
Luminaire luminous flux	43967 lm
Total power	370.5 W
Total power per area (1033.81 m ²)	0.36 W/m ² (1.81 W/m ² /100lx)

Parking

\bar{E}_m	Horizontal	19.8 lx
E_{min}		9.2 lx
$E_{min}/\bar{E}_m (U_o)$		0.46
$E_{min}/E_{max} (U_d)$		0.23
Position		0.00 m

Type No.\Make

1	5 x	ANSELL
	Order No.	: AHPT/1 (75W - 3000K)
	Luminaire name	: STREETLIGHTS - Helix Post Top
	Equipment	: 1 x LED 74.1 W / 8873.1 lm

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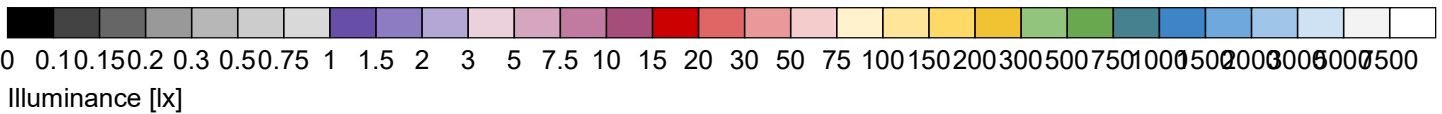


2.2 Summary, Exterior 1

2.2.3 Result overview, Parking



25 35 45 55 65 75 85 95 105 x [m]




General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	8874 lm
Luminaire luminous flux	8794 lm
Total power	74.1 W
Total power per area (575.25 m ²)	0.13 W/m ² (1.20 W/m ² /100lx)

Parking

\bar{E}_m	Horizontal	10.7 lx
E_{min}		3.9 lx
$E_{min}/\bar{E}_m (U_o)$		0.36
$E_{min}/E_{max} (U_d)$		0.23
Position		0.75 m

Type No.\Make

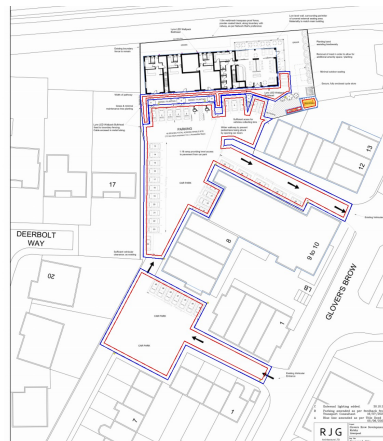
1	1 x	ANSELL
	Order No.	: AHPT/1 (75W - 3000K)
	Luminaire name	: STREETLIGHTS - Helix Post Top
	Equipment	: 1 x LED 74.1 W / 8873.1 lm

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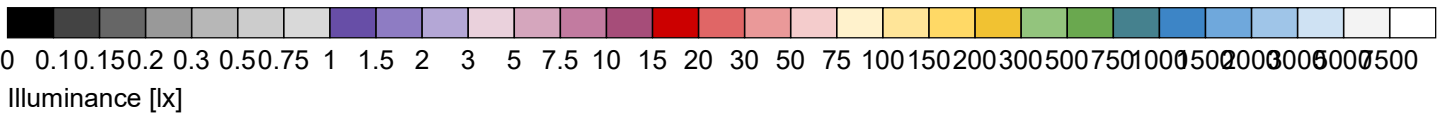


2.2 Summary, Exterior 1

2.2.4 Result overview, KEG Store



25 35 45 55 65 75 85 95 105 x [m]



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Luminaire luminous flux	6025 lm
Total power	38.6 W
Total power per area (12.90 m ²)	2.99 W/m ² (1.59 W/m ² /100lx)

KEG Store

Reference plane 4.1

	Horizontal
\bar{E}_m	188 lx
E_{min}	141 lx
$E_{min}/\bar{E}_m (U_o)$	0.75
$E_{min}/E_{max} (U_d)$	0.65
Position	0.75 m

Type No.\Make

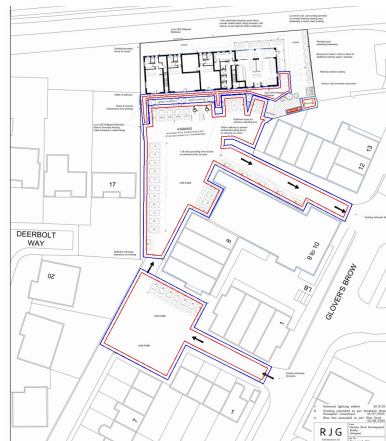
3	2 x	ANSELL	
		Order No.	: ATORE4/1 (20W 4000K)
		Luminaire name	: WEATHERPROOFS & BATTENS - Tornado EVO 4000K
		Equipment	: 1 x LED 19.3 W / 3012.7 lm

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2.2 Summary, Exterior 1

2.2.5 Result overview, Bin store



25 35 45 55 65 75 85 95 105 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100 150 200 300 500 750 1000 1500 3000 5000 7500
 Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Luminaire luminous flux	3013 lm
Total power	19.3 W
Total power per area (4.41 m ²)	4.37 W/m ² (3.39 W/m ² /100lx)

Bin store

Reference plane 5.1

	Horizontal
\bar{E}_m	129 lx
E_{min}	74 lx
$E_{min}/\bar{E}_m (U_o)$	0.57
$E_{min}/E_{max} (U_d)$	0.42
Position	0.75 m

Type No.\Make

3	1 x	ANSELL	
		Order No.	: ATORE4/1 (20W 4000K)
		Luminaire name	: WEATHERPROOFS & BATTENS - Tornado EVO 4000K
		Equipment	: 1 x LED 19.3 W / 3012.7 lm