

Installation : Didsbury Point - Car Park

Project number :

Customer : Prana

Processed by : Dave Wood

Date : 27.01.2025

Project description:

We have the pleasure in attaching our Lighting Design for the aforementioned project for your approval. Illuminance and uniformity levels are shown for your approval with calculations having been carried out as per the information, drawings and / or specifications details provided. Please check to confirm that all details are correct, especially dimensions of the room(s) and fitting specification to ensure these are as required. In the absence of a written specification areas will be illuminated to the recommended standards according to their primary function. Areas are generally to be open without any obstructions above the working plane unless otherwise advised.

Where applicable the design conforms to the latest recommendations and guidelines. If conformity to LG7 is to be proved with exact figure, we may need to add or change the luminaire types. We have used common design parameters for ceiling heights and reflectance's of room surfaces- (wall 50% ceiling 70% floor 20%) as well as maintenance factors (LED light source up to 0.9), in our calculations unless details were provided otherwise.

Please note that it is the installers responsibility to check and confirm TP(a) and TP(b) requirements as per Building Regulations Approved Document B Fire Safety 2006 with amendments 2010-2013. Compliant luminaires will generally be proposed dependant on the application and / or area type. Should the product specified by us be subsequently replaced with an inferior / non compliant product type - any liability and / or cost incurred for subsequent remedial work required would be the responsibility of the client.

Emergency lighting will be designed to the recommended guidelines set out in BS5266. Provision for High Risk areas will be made ONLY where obvious and / or those identified by the client. It is the responsibility of the Purchaser / Installer to ensure that the design complies with local fire and health and safety regulations. In the event that the design is not found to comply we will adjust the design in consultation with the customer to ensure that it does comply with such regulations. Please be aware of the Part L2 requirements and check that conformity has been met where required.

The following calculations are based on manufacturer lamp / luminaire data however, in practice gradual divergencies can occur. Specific site conditions (such as ambient temperature) can also effect the performance of luminaires and any such adverse conditions should be detailed prior to calculations being carried out to ensure adequate provision has been made for these.

Whilst every effort will be made to adhere to the written or product specification provided, it is always the responsibility of the customer to ensure that any design scheme, specification and / or product supplied satisfies fully and complies with the end users requirements and is suitable for the installation. - If unsure of any suggested fittings it is advisable to order samples in advance following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergencies can occur.

The following values are based on precise calculations performed on calibrated lamp 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.

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 LEDGroup Robus, HARBOUR EXPRESS 50W/40W/33W... (RHE50X5FT-24)

1.1.1 Data sheet

Manufacturer: LEDGroup Robus

RHE50X5FT-24 HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft, 4000K/5000K/6500K

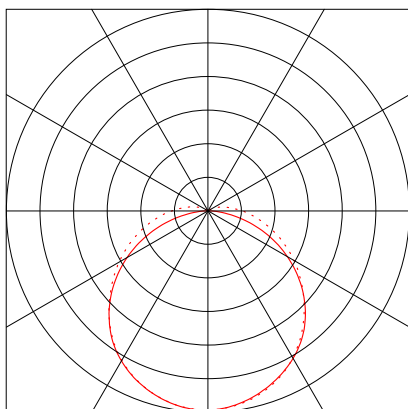
Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 158.51 lm/W
Classification : A31 ↓95.2% ↑4.8%
CIE Flux Codes : 42 72 91 95 100
UGR 4H 8H : 24.1 / 26.7
Power : 26.1 W
Luminous flux : 4137 lm

Equipped with

Quantity : 1
Designation : LED
Colour : 4000K
Luminous flux : 4137 lm
Colour reproduction : 81.6

Dimensions : 1568 mm x 92 mm x 80 mm



Object :
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1 Luminaire data

1.2 LEDGroup Robus, HARBOUR EXPRESS 50W/40W... (!RHE50X5FT-24-EM)

1.2.1 Data sheet

Manufacturer: LEDGroup Robus

!RHE50X5FT-24-EM
4000K/5000K/6500K

HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft,

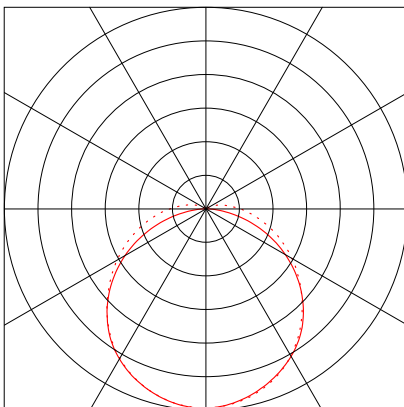
Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 158.51 lm/W
Classification : A31 ↓95.2% ↑4.8%
CIE Flux Codes : 42 72 91 95 100
UGR 4H 8H : 24.1 / 26.7
Power : 26.1 W
Luminous flux : 4137 lm

Equipped with

Quantity : 1
Designation : LED
Colour : 4000K
Luminous flux : 4137 lm
Colour reproduction : 81.6

Dimensions : 1568 mm x 92 mm x 80 mm



Emergency Lighting

Light source from normal operation with reduced flux
Luminous flux : 295 lm

Object :
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1 Luminaire data

1.3 LEDSCAPE, URB-XS75-T3N-36(5050 40K RA70 T3N) ()

1.3.1 Data sheet

Manufacturer: LEDSCAPE

URB-XS75-T3N-36(5050 40K RA70 T3N)

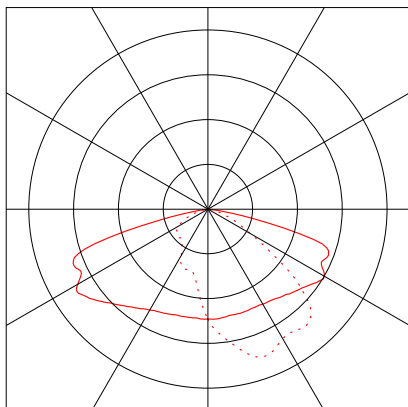
Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 136.73 lm/W
Classification : A30 ↓99.7% ↑0.3%
CIE Flux Codes : 38 74 97 100 100
UGR 4H 8H : 38.6 / 26.6
Power : 74.7 W
Luminous flux : 10207.6 lm

Equipped with

Quantity : 1
Designation : 5050 40K
RA70 T3N
Colour : 4000K
Luminous flux : 10214 lm
Colour reproduction : 70

Dimensions : 524 mm x 246 mm x 131 mm



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1 Luminaire data

1.4 ANSELL, BULKHEADS - Wolf Black... (AWOLF/BLK (CW 21W))

1.4.1 Data sheet

Manufacturer: ANSELL



AWOLF/BLK (CW 21W) Ceiling mounted luminaire BULKHEADS - Wolf Black 4000K

AWOLF/BLK
FLOODLIGHTING
Wolf CCT Wallpack

- Modern, robust die-cast aluminium low glare wall pack suitable for commercial and industrial applications
- Advanced lens technology offers wide distribution for optimum spacing and uniformity; whilst ensuring minimal uplight and light pollution
- Reduced light pollution with less than 2% upward light distribution
- Helps with compliance with Dark Skies recommendations
- Power selectable; offering a choice of 3 outputs, in one luminaire
- High efficiency up to 140 Lm/W
- Electrostatic paint finish for enhanced corrosion resistance
- Multiple conduit entry and BESA fixing points
- 20mm East and West side entry for surface conduit and through-wire
- Dimmable and Smart options available

Operating Temp -20°C to 40°C

- Suitable for external use
- 5 Year Product Warranty
- IP65

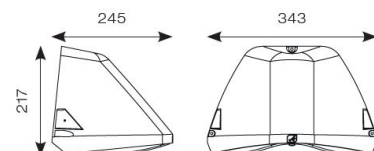
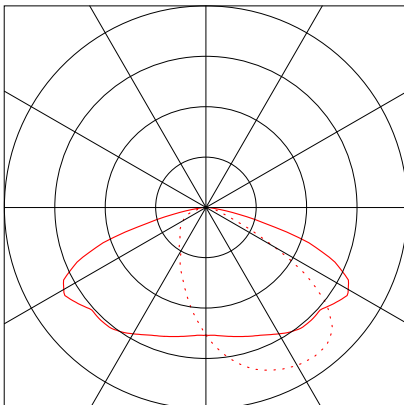
Luminaire data

Absolute Photometry
Luminaire efficacy : 122.48 lm/W
Classification : A30 ↓100.0% ↑0.0%
CIE Flux Codes : 40 76 97 100 100
Glare : G*5 / D6
Control gear : Electronic ballast
Power : 22.33 W
Luminous flux : 2734.9 lm

Equipped with

Quantity : 1
Designation : LED single 840
Colour : 4000K
Socket : --
Colour reproduction : --

Dimensions : 240 mm x 340 mm x 200 mm



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1 Luminaire data

1.5 ANSELL, BULKHEADS - Wolf Black... (AWOLF/BLK/M3 (C...))

1.5.1 Data sheet

Manufacturer: ANSELL



AWOLF/BLK/M3 (CW 21W) Ceiling mounted luminaire BULKHEADS - Wolf Black 4000K

AWOLF/BLK/M3
FLOODLIGHTING
Wolf CCT Wallpack

- Modern, robust die-cast aluminium low glare wall pack suitable for commercial and industrial applications
- Advanced lens technology offers wide distribution for optimum spacing and uniformity; whilst ensuring minimal uplight and light pollution
- Reduced light pollution with less than 2% upward light distribution
- Helps with compliance with Dark Skies recommendations
- Power selectable; offering a choice of 3 outputs, in one luminaire
- High efficiency up to 140 Lm/W
- Electrostatic paint finish for enhanced corrosion resistance
- Multiple conduit entry and BESA fixing points
- 20mm East and West side entry for surface conduit and through-wire
- Dimmable and Smart options available

Operating Temp -20°C to 40°C

- Suitable for external use
- 5 Year Product Warranty
- IP65

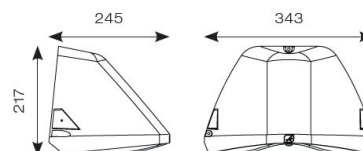
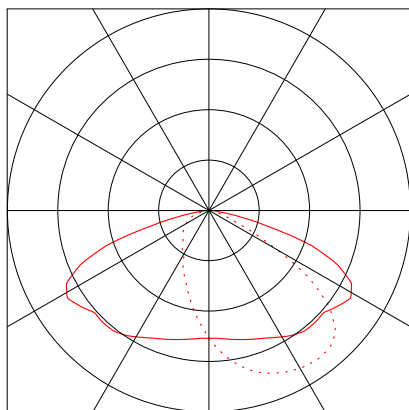
Luminaire data

Absolute Photometry
Luminaire efficacy : 122.48 lm/W
Classification : A30 ↓100.0% ↑0.0%
CIE Flux Codes : 40 76 97 100 100
Glare : G*5 / D6
Control gear : Electronic ballast
Power : 22.33 W
Luminous flux : 2734.9 lm

Equipped with

Quantity : 1
Designation : LED single 840
Colour : 4000K
Socket : --
Colour reproduction : --

Dimensions : 240 mm x 340 mm x 200 mm



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1 Luminaire data

1.5 ANSELL, BULKHEADS - Wolf Black... (AWOLF/BLK/M3 (C...))

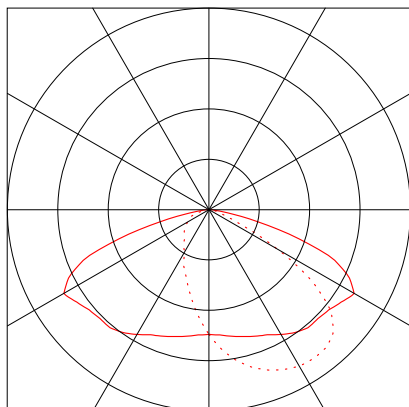
1.5.1 Data sheet

Emergency Lighting

Emergency lighting with own light source

Absolute Photometry

Luminous flux : 398 lm



2 GF Car Park

2.1 Summary, GF Car Park

2.1.1 Result overview, GF Driveway



2037 2047 2057 2067 2077 2087 x [m]



0 0.10.150.20.30.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010001502003005007500
Illuminance [lx]

General

Calculation algorithm used
Height of evaluation surface
Maintenance factor

Average indirect fraction
0.00 m
0.80

Total luminous flux
Total power
Total power per area (706.88 m²)

257875 lm
1749.8 W
2.48 W/m²

Illuminance

Average illuminance $\bar{E}_m$ 155 lx
Minimum illuminance E_{min} 119 lx
Maximum illuminance E_{max} 186 lx
Uniformity U_o $E_{min}/\bar{E}_m$ 1:1.3 (0.77)
Diversity U_d E_{min}/E_{max} 1:1.57 (0.64)

Type No. Make

LEDGroup Robus
1 22 x Order No. : RHE50X5FT-24
Luminaire name : HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft, 4000K/5000K/6500K
Equipment : 1 x LED 26.1 W / 4137 lm

Object :
Installation : Didsbury Point - Car Park
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2 GF Car Park

2.1 Summary, GF Car Park

2.1.1 Result overview, GF Driveway

2 13E x Order No. : !RHE50X5FT-24-EM -- Emergency Lighting --
 Luminaire name : HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft,
4000K/5000K/6500K
Equipment : 1 x LED 26.1 W / 4137 lm
Emergency : 295 lm (7.1 %)

LEDSCAPE
3 10 x Order No. :
 Luminaire name : URB-XS75-T3N-36(5050 40K RA70 T3N)
Equipment : 1 x 5050 40K RA70 T3N 74.7 W / 10214 lm

ANSELL
4 3 x Order No. : AWOLF/BLK (CW 21W)
 Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm

5 1E x Order No. : AWOLF/BLK/M3 (CW 21W) -- Emergency Lighting --
 Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm
Emergency : 398 lm (14.6 %)

The logo for UKLD Lighting Design features the letters 'UKLD' in a large, bold, black sans-serif font. The 'U' has a small orange square above its top left corner. The 'K' has a small orange square above its top right corner. The 'L' has a small orange square above its top right corner. The 'D' has a small orange square above its top right corner. The words 'LIGHTING DESIGN' are written in a smaller, orange, sans-serif font, positioned between the 'K' and the 'D'.

Object :
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2.1 Summary, GF Car Park

2.1.2 Result overview, GF Parking Bays

2 13E x Order No. : !RHE50X5FT-24-EM -- Emergency Lighting --
 Luminaire name : HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft,
4000K/5000K/6500K
Equipment : 1 x LED 26.1 W / 4137 lm
Emergency : 295 lm (7.1 %)

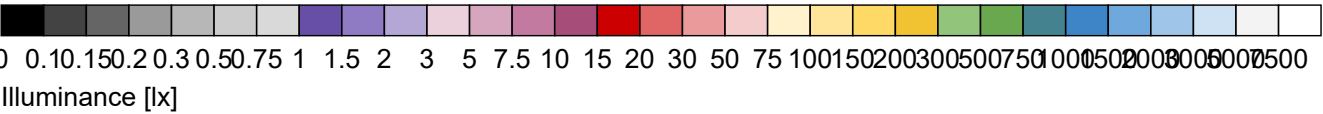
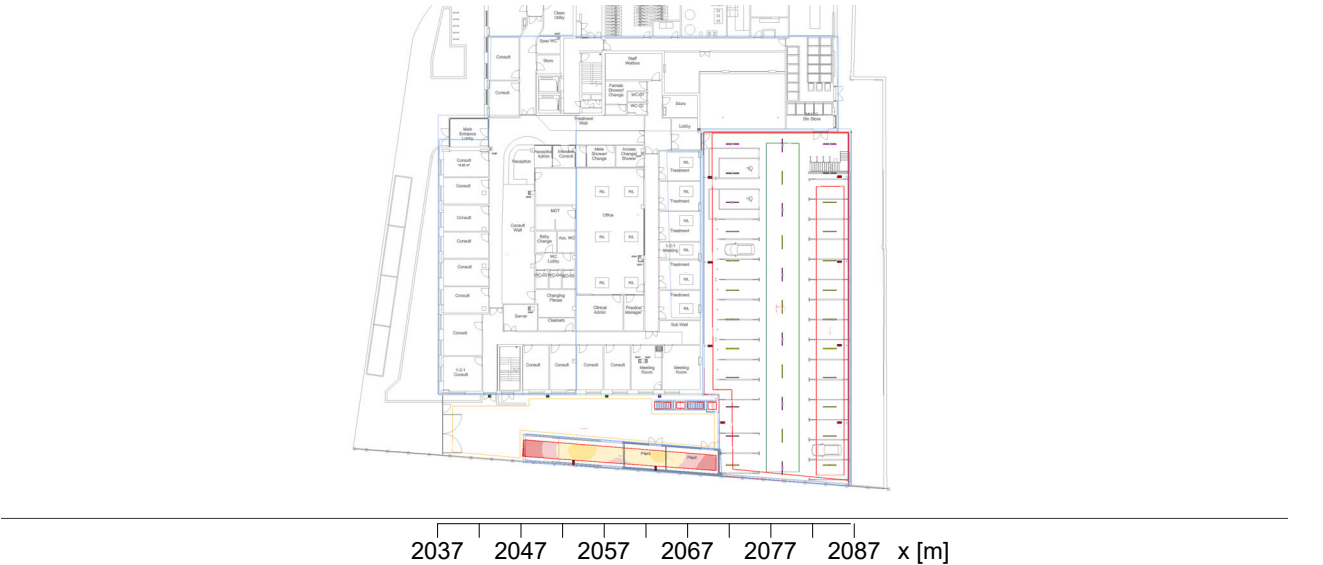
LEDSCAPE
3 10 x Order No. :
 Luminaire name : URB-XS75-T3N-36(5050 40K RA70 T3N)
Equipment : 1 x 5050 40K RA70 T3N 74.7 W / 10214 lm

ANSELL
4 3 x Order No. : AWOLF/BLK (CW 21W)
 Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm

5 1E x Order No. : AWOLF/BLK/M3 (CW 21W) -- Emergency Lighting --
 Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm
Emergency : 398 lm (14.6 %)

2.1 Summary, GF Car Park

2.1.3 Result overview, Ramp



General

Calculation algorithm used : Average indirect fraction
Maintenance factor : 0.80

Total luminous flux : 257875 lm
Total power : 1749.8 W
Total power per area (706.88 m²) : 2.48 W/m²

Illuminance

Average illuminance : $\bar{E}_m$: 77 lx
Minimum illuminance : E_{min} : 28 lx
Maximum illuminance : E_{max} : 112 lx
Uniformity U_o : $E_{min}/\bar{E}_m$: 1:2.75 (0.36)
Diversity U_d : E_{min}/E_{max} : 1:4 (0.25)

Type No. Make

LEDGroup Robus			
1	22 x	Order No.	: RHE50X5FT-24
		Luminaire name	: HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft, 4000K/5000K/6500K
		Equipment	: 1 x LED 26.1 W / 4137 lm
2	13E x	Order No.	: !RHE50X5FT-24-EM -- Emergency Lighting --
		Luminaire name	: HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft, 4000K/5000K/6500K
		Equipment	: 1 x LED 26.1 W / 4137 lm
		Emergency	: 295 lm (7.1 %)

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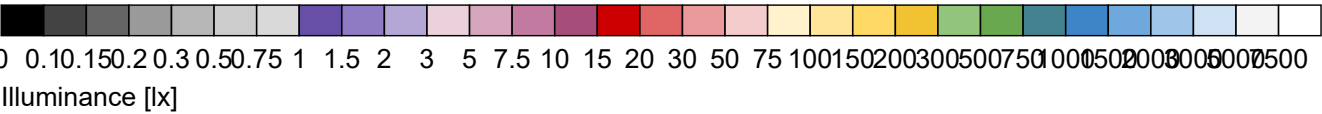
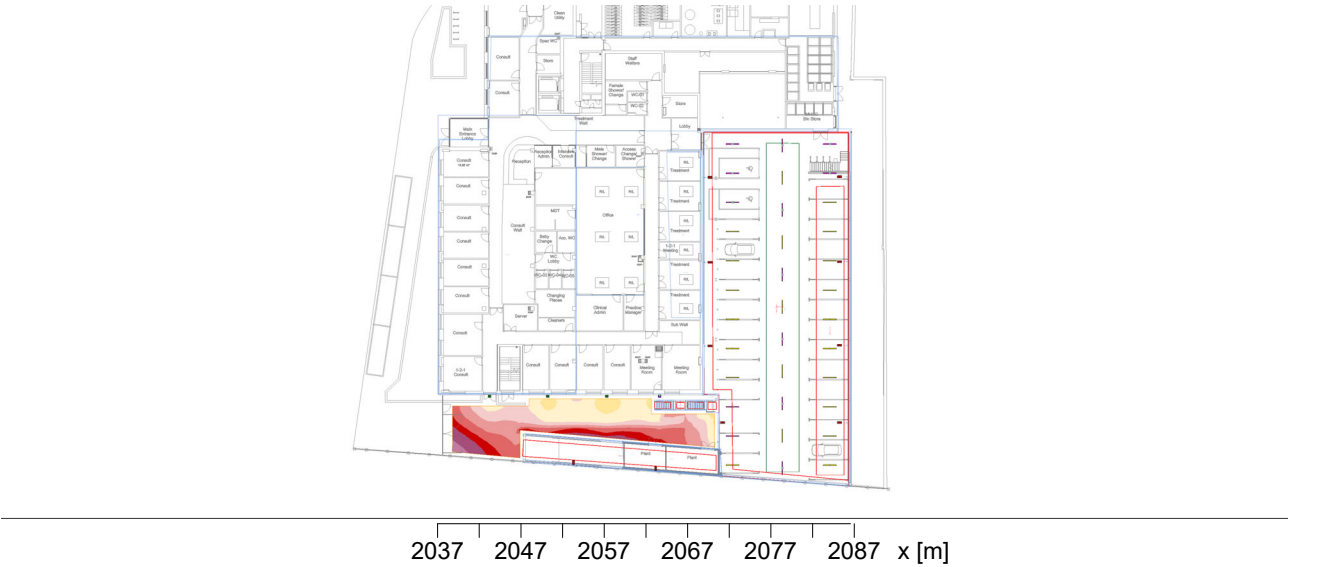
2.1 Summary, GF Car Park

2.1.3 Result overview, Ramp

		LEDSCAPE	
3	10 x	Order No.	:
		Luminaire name	: URB-XS75-T3N-36(5050 40K RA70 T3N)
		Equipment	: 1 x 5050 40K RA70 T3N 74.7 W / 10214 lm
		ANSELL	
4	3 x	Order No.	: AWOLF/BLK (CW 21W)
		Luminaire name	: BULKHEADS - Wolf Black 4000K
		Equipment	: 1 x LED single 840 22.33 W / 2735 lm
5	1E x	Order No.	: AWOLF/BLK/M3 (CW 21W) -- Emergency Lighting --
		Luminaire name	: BULKHEADS - Wolf Black 4000K
		Equipment	: 1 x LED single 840 22.33 W / 2735 lm
		Emergency	: 398 lm (14.6 %)

2.1 Summary, GF Car Park

2.1.4 Result overview, Entrance Area



Object :
Installation : Didsbury Point - Car Park
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2.1 Summary, GF Car Park

2.1.4 Result overview, Entrance Area

2 13E x  Order No. : !RHE50X5FT-24-EM -- Emergency Lighting --
Luminaire name : HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft,
4000K/5000K/6500K
Equipment : 1 x LED 26.1 W / 4137 lm
Emergency : 295 lm (7.1 %)

LEDSCAPE
3 10 x  Order No. :
Luminaire name : URB-XS75-T3N-36(5050 40K RA70 T3N)
Equipment : 1 x 5050 40K RA70 T3N 74.7 W / 10214 lm

ANSELL
4 3 x  Order No. : AWOLF/BLK (CW 21W)
Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm

5 1E x  Order No. : AWOLF/BLK/M3 (CW 21W) -- Emergency Lighting --
Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm
Emergency : 398 lm (14.6 %)

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2.1 Summary, GF Car Park

2.1.5 Result overview, Upper Car Park

2 13E x Order No. : !RHE50X5FT-24-EM -- Emergency Lighting --
 Luminaire name : HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft,
4000K/5000K/6500K
Equipment : 1 x LED 26.1 W / 4137 lm
Emergency : 295 lm (7.1 %)

LEDSCAPE
3 10 x Order No. :
 Luminaire name : URB-XS75-T3N-36(5050 40K RA70 T3N)
Equipment : 1 x 5050 40K RA70 T3N 74.7 W / 10214 lm

ANSELL
4 3 x Order No. : AWOLF/BLK (CW 21W)
 Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm

5 1E x Order No. : AWOLF/BLK/M3 (CW 21W) -- Emergency Lighting --
 Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm
Emergency : 398 lm (14.6 %)

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2.1 Summary, GF Car Park

2.1.6 Result overview, Top of Stairs

2 13E x Order No. : !RHE50X5FT-24-EM -- Emergency Lighting --
 Luminaire name : HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft,
4000K/5000K/6500K
Equipment : 1 x LED 26.1 W / 4137 lm
Emergency : 295 lm (7.1 %)

LEDSCAPE
3 10 x Order No. :
 Luminaire name : URB-XS75-T3N-36(5050 40K RA70 T3N)
Equipment : 1 x 5050 40K RA70 T3N 74.7 W / 10214 lm

ANSELL
4 3 x Order No. : AWOLF/BLK (CW 21W)
 Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm

5 1E x Order No. : AWOLF/BLK/M3 (CW 21W) -- Emergency Lighting --
 Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm
Emergency : 398 lm (14.6 %)

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2.1 Summary, GF Car Park

2.1.7 Result overview, Halfway stair landing

2 13E x Order No. : !RHE50X5FT-24-EM -- Emergency Lighting --
 Luminaire name : HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft,
4000K/5000K/6500K
Equipment : 1 x LED 26.1 W / 4137 lm
Emergency : 295 lm (7.1 %)

LEDSCAPE
3 10 x Order No. :
 Luminaire name : URB-XS75-T3N-36(5050 40K RA70 T3N)
Equipment : 1 x 5050 40K RA70 T3N 74.7 W / 10214 lm

ANSELL
4 3 x Order No. : AWOLF/BLK (CW 21W)
 Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm

5 1E x Order No. : AWOLF/BLK/M3 (CW 21W) -- Emergency Lighting --
 Luminaire name : BULKHEADS - Wolf Black 4000K
Equipment : 1 x LED single 840 22.33 W / 2735 lm
Emergency : 398 lm (14.6 %)

2.1 Summary, GF Car Park

2.1.8 Result overview, Lower Tread



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
0.80

Total luminous flux
Total power
Total power per area (706.88 m²)

257875 lm
1749.8 W
2.48 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	149 lx
Minimum illuminance	E_{min}	103 lx
Maximum illuminance	E_{max}	211 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.45 (0.69)
Diversity U_d	E_{min}/E_{max}	1:2.05 (0.49)

Type No. Make

LEDGroup Robus			
1	22 x	Order No.	: RHE50X5FT-24
		Luminaire name	: HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft, 4000K/5000K/6500K
		Equipment	: 1 x LED 26.1 W / 4137 lm
2	13E x	Order No.	: !RHE50X5FT-24-EM -- Emergency Lighting --
		Luminaire name	: HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft, 4000K/5000K/6500K
		Equipment	: 1 x LED 26.1 W / 4137 lm
		Emergency	: 295 lm (7.1 %)

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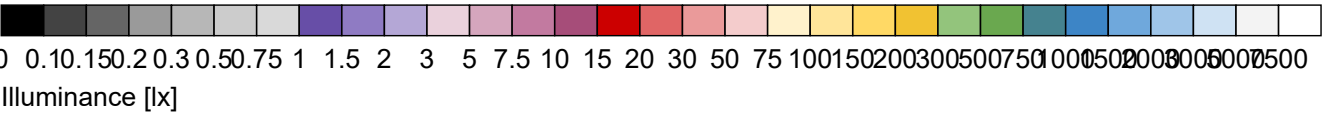
2.1 Summary, GF Car Park

2.1.8 Result overview, Lower Tread

		LEDSCAPE	
3	10 x	Order No.	:
		Luminaire name	: URB-XS75-T3N-36(5050 40K RA70 T3N)
		Equipment	: 1 x 5050 40K RA70 T3N 74.7 W / 10214 lm
		ANSELL	
4	3 x	Order No.	: AWOLF/BLK (CW 21W)
		Luminaire name	: BULKHEADS - Wolf Black 4000K
		Equipment	: 1 x LED single 840 22.33 W / 2735 lm
5	1E x	Order No.	: AWOLF/BLK/M3 (CW 21W) -- Emergency Lighting --
		Luminaire name	: BULKHEADS - Wolf Black 4000K
		Equipment	: 1 x LED single 840 22.33 W / 2735 lm
		Emergency	: 398 lm (14.6 %)

2.1 Summary, GF Car Park

2.1.9 Result overview, Upper Tread



General	
Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	257875 lm
Total power	1749.8 W
Total power per area (706.88 m²)	2.48 W/m²

Illuminance	
Average illuminance	$\bar{E}_m$ 24.9 lx
Minimum illuminance	E_{min} 17.1 lx
Maximum illuminance	E_{max} 32.8 lx
Uniformity U_o	$E_{min}/\bar{E}_m$ 1:1.46 (0.69)
Diversity U_d	E_{min}/E_{max} 1:1.92 (0.52)

Type No. Make

		LEDGroup Robus	
1	22 x	Order No.	: RHE50X5FT-24
		Luminaire name	: HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft, 4000K/5000K/6500K
		Equipment	: 1 x LED 26.1 W / 4137 lm
2	13E x	Order No.	: !RHE50X5FT-24-EM -- Emergency Lighting --
		Luminaire name	: HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft, 4000K/5000K/6500K
		Equipment	: 1 x LED 26.1 W / 4137 lm
		Emergency	: 295 lm (7.1 %)

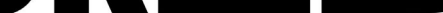
Object :
Installation : Didsbury Point - Car Park
Project number :
Date : 27.01.2025



2.1 Summary, GF Car Park

2.1.9 Result overview, Upper Tread

		LEDSCAPE	
3	10 x	Order No.	:
		Luminaire name	: URB-XS75-T3N-36(5050 40K RA70 T3N)
		Equipment	: 1 x 5050 40K RA70 T3N 74.7 W / 10214 lm
		ANSELL	
4	3 x	Order No.	: AWOLF/BLK (CW 21W)
		Luminaire name	: BULKHEADS - Wolf Black 4000K
		Equipment	: 1 x LED single 840 22.33 W / 2735 lm
5	1E x	Order No.	: AWOLF/BLK/M3 (CW 21W) -- Emergency Lighting --
		Luminaire name	: BULKHEADS - Wolf Black 4000K
		Equipment	: 1 x LED single 840 22.33 W / 2735 lm
		Emergency	: 398 lm (14.6 %)

The logo for UKLED LIGHTING DESIGN. It features the letters 'UKLED' in a large, bold, black sans-serif font. The 'U' has a small orange square above its top left corner. The 'L' has a small orange square above its top right corner. The 'E' has a small orange square above its top right corner. The 'D' has a small orange square above its top right corner. To the right of 'UKLED', the words 'LIGHTING DESIGN' are written in a smaller, orange, sans-serif font.

Object :
Installation : Didsbury Point - Car Park
Project number :
Date : 27.01.2025



2.1 Summary, GF Car Park

2.1.10 Result overview, Evaluation area 1

2 13E x Order No. : !RHE50X5FT-24-EM -- Emergency Lighting --
Luminaire name : HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft,
4000K/5000K/6500K
Equipment : 1 x LED 26.1 W / 4137 lm
Emergency : 295 lm (7.1 %)

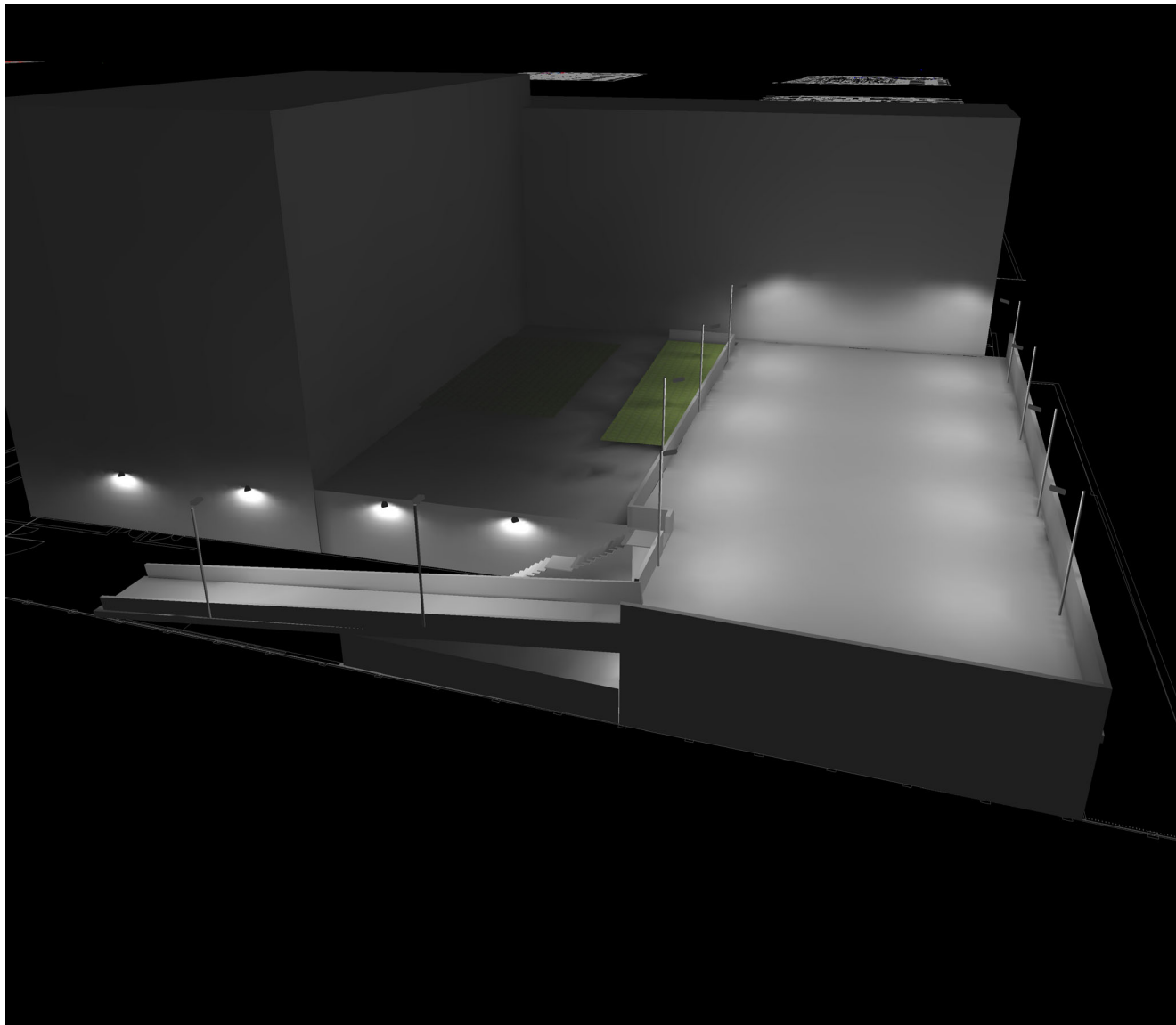
LEDSCAPE
3 8 x Order No. :
Luminaire name : URB-XS75-T3N-36(5050 40K RA70 T3N)
Equipment : 1 x 5050 40K RA70 T3N 74.7 W / 10214 lm

Object :
Installation : Didsbury Point - Car Park
Project number :
Date : 27.01.2025

2 GF Car Park

2.2 Calculation results, GF Car Park

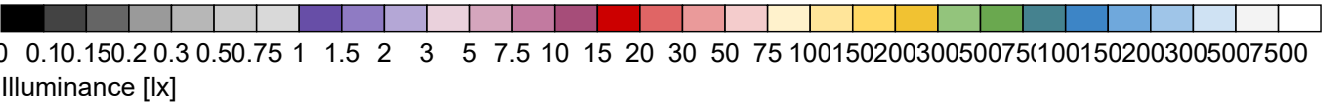
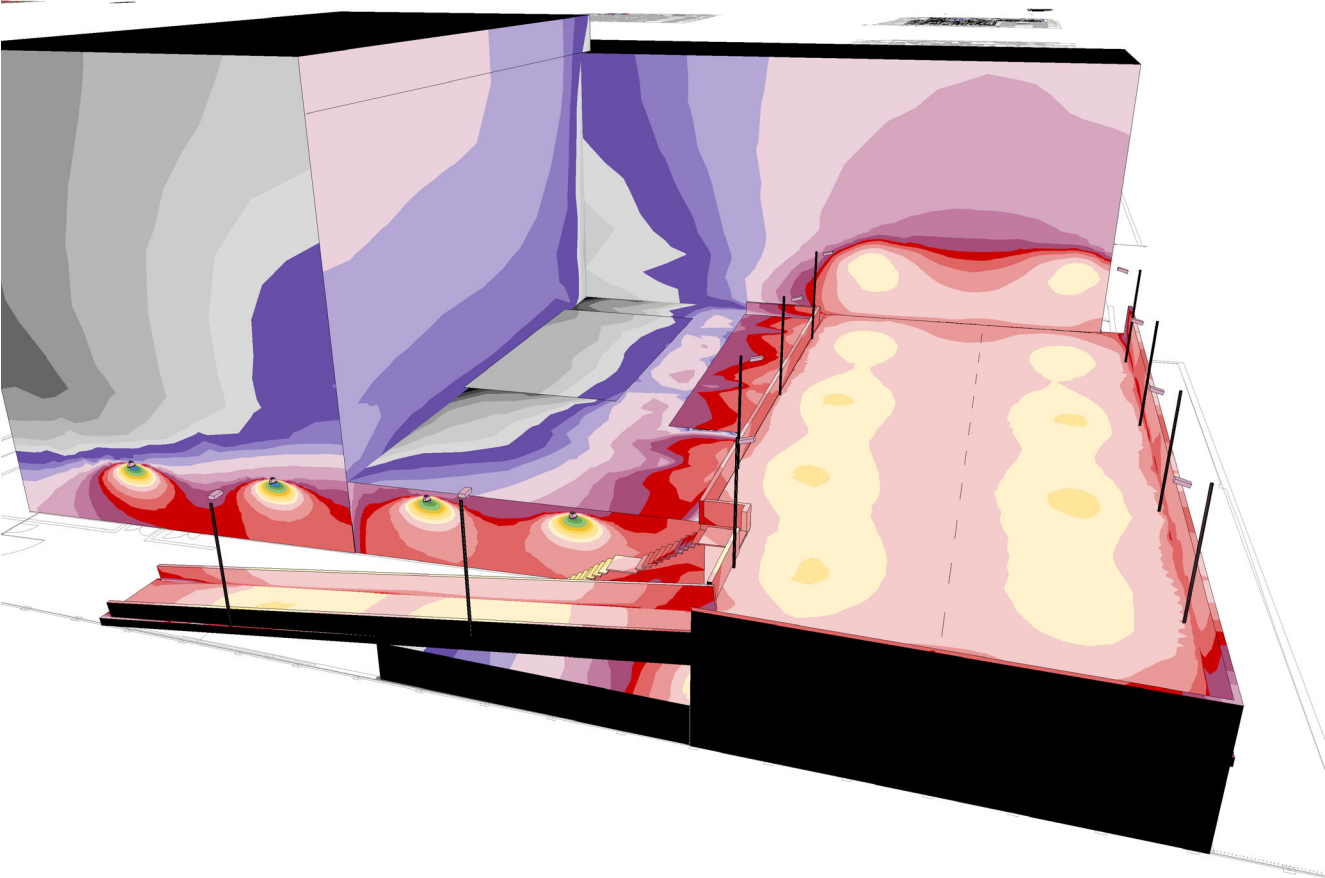
2.2.1 3D luminance, View 1



Luminance in the scene

Minimum: : 0 cd/m²
Maximum: : 444 cd/m²

2.2 Calculation results, GF Car Park
2.2.2 3D pseudo colours, View 1 (E)



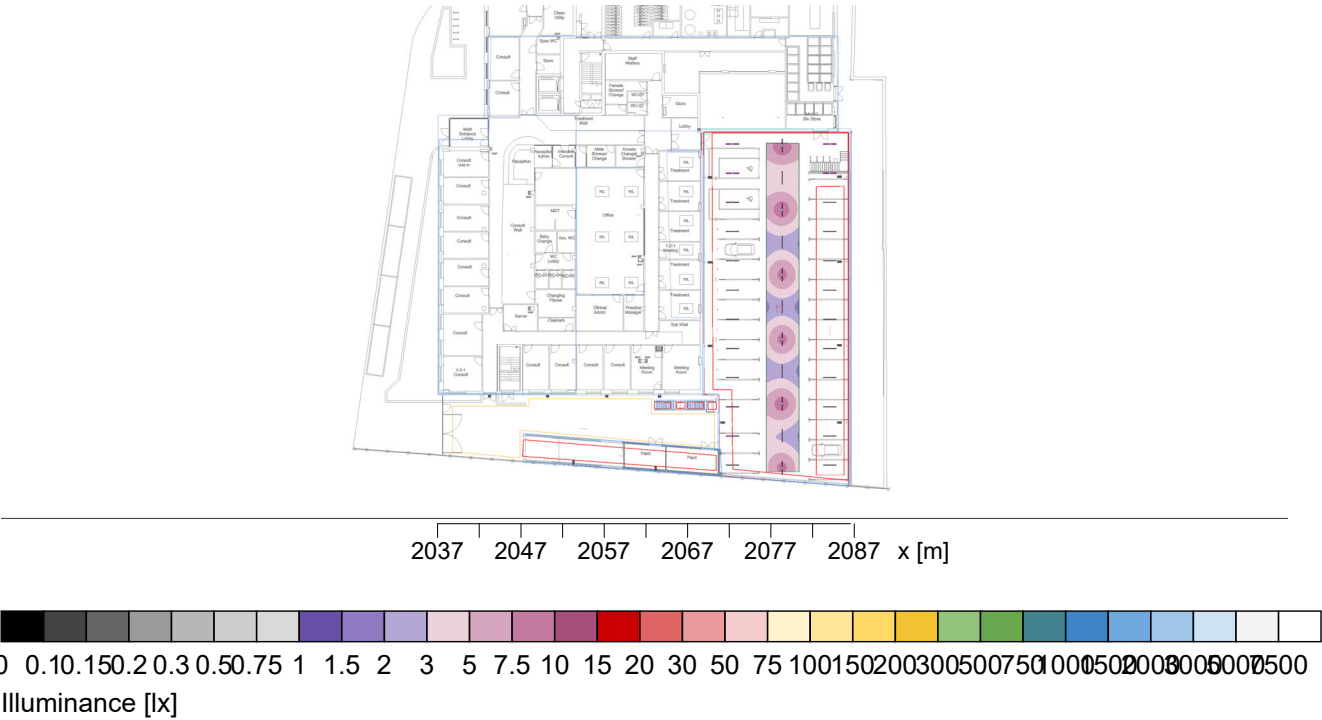
Object :
Installation : Didsbury Point - Car Park
Project number :
Date : 27.01.2025



2 GF Car Park

2.3 Summary, GF Car Park

2.3.1.1 Result overview (emergency lighting)

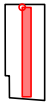


General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot centre) : -variable-
Maximum I : 150 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
10 GF Driveway			
Calculation field: 39.4m x 3.92m (76 x 8 pts), Height = 0.00m			
1	1.75 lx	9.06 lx	1: 5.16
	>= 0.5 lx		>= 1: 40



Type No. Make

LEDGroup Robus			
2	13E x	Order No.	: !RHE50X5FT-24-EM -- Emergency Lighting --
		Luminaire name	: HARBOUR EXPRESS 50W/40W/33W/25W LED corrosion proof, IP66, 5ft, 4000K/5000K/6500K
		Equipment	: 1 x LED 26.1 W / 4137 lm
		Emergency	: 295 lm (7.1 %)

Object :
Installation : Didsbury Point - Car Park
Project number :
Date : 27.01.2025



2 GF Car Park

2.3 Summary, GF Car Park

2.3.1.1 Result overview (emergency lighting)

		ANSELL	
5	1E x	Order No.	: AWOLF/BLK/M3 (CW 21W) -- Emergency Lighting --
		Luminaire name	: BULKHEADS - Wolf Black 4000K
		Equipment	: 1 x LED single 840 22.33 W / 2735 lm
		Emergency	: 398 lm (14.6 %)