



Tariff Street Externals

Installation : Proposed New Lighting

Project number : QUO-798560-FMYU9A
Customer : Pinnacle Electrical Supplies L
Processed by : Ben Fok
Date : 1.12.2025

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 .8.

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

Please refer to the PDF's attached on the email for disclaimers and assumptions for this design.

Note(s):

1) This design is a point for point design that is using a lighting layout provided by the customer. This design is for reviewing purposes only and must be 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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1 Luminaire data

1.1 ANSELL, FEATURE LIGHTING - Turno (ATUR3/1/WW)

1.1.1 Data sheet

Manufacturer: ANSELL



ATUR3/1/WW Recessed luminaire FEATURE LIGHTING - Turno

- High performance LED adjustable inground uplight suitable for commercial, retail and hospitality applications
- Die-cast aluminium construction with 316 stainless steel top frame
- High efficiency upto 130lm/W
- Easy access dial under the bezel for tilt adjustments
- Supplied c/w installation housing for additional protection and ease of installation
- Integral driver and pre-wired with 1 metre of rubber insulated cable
- Static load test to 2000kg; suitable for vehicular and pedestrian traffic
- Brushed Nickel and Brushed Brass trim accessories available
- Triac dimmable as standard

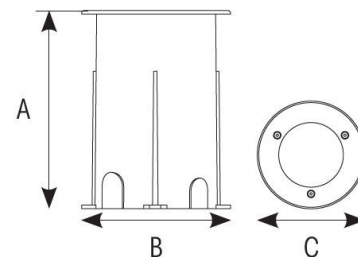
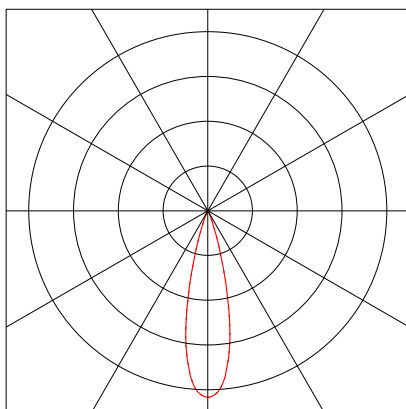
Luminaire data

Luminaire efficiency : 85.3%
 Luminaire efficacy : 126.21 lm/W
 Classification : A80 ↓100.0% ↑0.0%
 CIE Flux Codes : 96 99 100 100 84
 UGR 4H 8H : <10.0 / <10.0
 Control gear : Electronic ballast
 Power : 19.599 W
 Luminous flux : 2441.3 lm

Equipped with

Quantity : 1
 Designation : LED
 Colour :
 Luminous flux : 2899.8 lm
 Socket : --

Dimensions : Ø230 mm x 0.0 mm



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1 Luminaire data

1.2 ANSELL, BULKHEADS - Wolf Black... (AWOLF/BLK (WW 19W))

1.2.1 Data sheet

Manufacturer: ANSELL



AWOLF/BLK (WW 19W) Ceiling mounted luminaire BULKHEADS - Wolf Black 3000K

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 : 116.17 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 : 19.23 W
Luminous flux : 2234 lm

Dimensions : 240 mm x 340 mm x 200 mm

Equipped with

Quantity : 1
Designation : LED single 830
Colour : 3000K
Socket : --
Colour reproduction : --

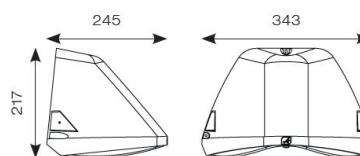
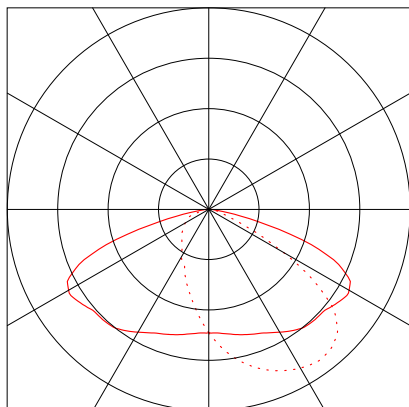
Object : Tariff Street Externals
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1 Luminaire data

1.2 ANSELL, BULKHEADS - Wolf Black... (AWOLF/BLK (WW 19W))

1.2.1 Data sheet



Object : Tariff Street Externals
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1 Luminaire data

1.3 ANSELL, STREETLIGHTS - Gabbro ... (AGAB1/1 (20W 30...))

1.3.1 Data sheet

Manufacturer: ANSELL



AGAB1/1 (20W 3000K) Post Top Lantern STREETLIGHTS - Gabbro 3000K

- Modern die-cast aluminium street light ideal for carparks and large open areas
- CCT selectable between 3000K, 4000K and 5000K and power selectable; ,offering a choice of up to 3 outputs, in one luminaire (2 outputs for AGAB2/1)
- 30° head tilt (15° up or down from horizontal) allows for a wider or more narrow light distribution
- Die-cast aluminium construction and breather gland for optimal heat dissipation and performance
- Integrated spirit level for easy levelling during installation
- Compatible with post top or side entry utility 76mm spigot
- 10kV Surge protection
- NEMA socket as standard for photocell accessory
- Pre-wired with 600mm of rubber insulated cable
- Comes complete with a AFIX connector (AFIXIP/1/SC/3C) for quick and easy IP rated connection
- LED lifespan L80 96,000 hours

Operating Temp -20°C to 50°C

- 7 Year Product Warranty
- IP66

Luminaire data

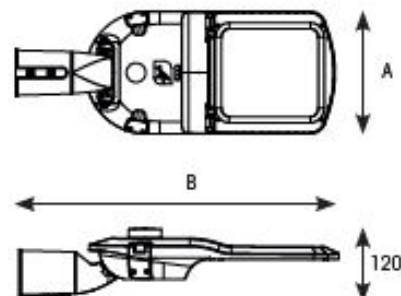
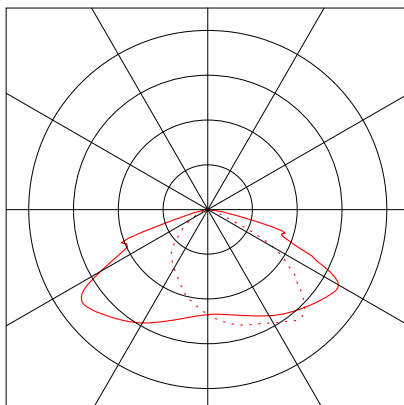
Absolute Photometry

Luminaire efficacy : 132.88 lm/W
 Classification : A30 ↓100.0% ↑0.0%
 CIE Flux Codes : 39 77 98 100 100
 UGR 4H 8H : 33.4 / 21.0
 Control gear : Electronic ballast
 Power : 21.6 W
 Luminous flux : 2868.5 lm

Equipped with

Quantity : 1
 Designation : LED
 Colour :
 Socket : --

Dimensions : 568 mm x 200 mm x 109 mm



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1 Luminaire data

1.4 ANSELL, BOLLARDS - Avio 3000K... (AAVIO/1/BK (12W ...))

1.4.1 Data sheet

Manufacturer: ANSELL



AAVIO/1/BK (12W 3000K) Freestanding uplighter BOLLARDS - Avio 3000K

- Robust die-cast aluminium bollard with a choice of textured finishes suitable for commercial applications
- CCT selectable between 3000K and 4000K and power selectable; offering a choice of outputs, in one luminaire
- Half-shield lens option to offer single direction output
- Precision-engineered lensed optic delivers exceptional light distribution and performance, ensuring maximum efficiency and visual comfort
- Corrosion resistance up to C4M
- Removable head design allows easy access to the integrated CCT and wattage switches, seamlessly housed within the head for quick adjustments and enhanced convenience during installation or maintenance
- PIR option comes with integrated Photocell that can be switched as required
- Comes complete with a AFIX connector (AFIXIP/1/SC/3C) for quick and Easy IP rated connection
- Supplied c/w base plate, root mounting kit accessory available

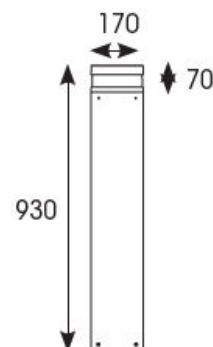
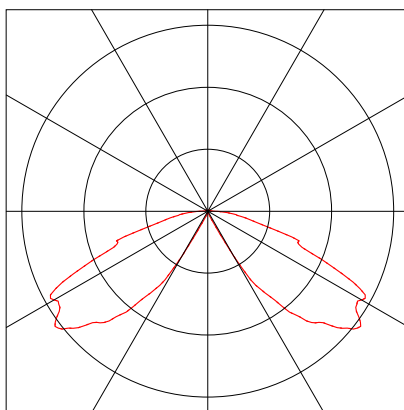
Luminaire data

Luminaire efficiency : 98.3%
 Luminaire efficacy : 72.55 lm/W
 Classification : A21 ↓97.9% ↑2.1%
 CIE Flux Codes : 14 60 92 98 98
 UGR 4H 8H : 26.4 / 26.4
 Control gear : Electronic ballast
 Power : 12.3 W
 Luminous flux : 892.7 lm

Equipped with

Quantity : 1
 Designation : LED
 Colour :
 Luminous flux : 907.8 lm
 Socket : --

Dimensions : Ø230 mm x 50 mm



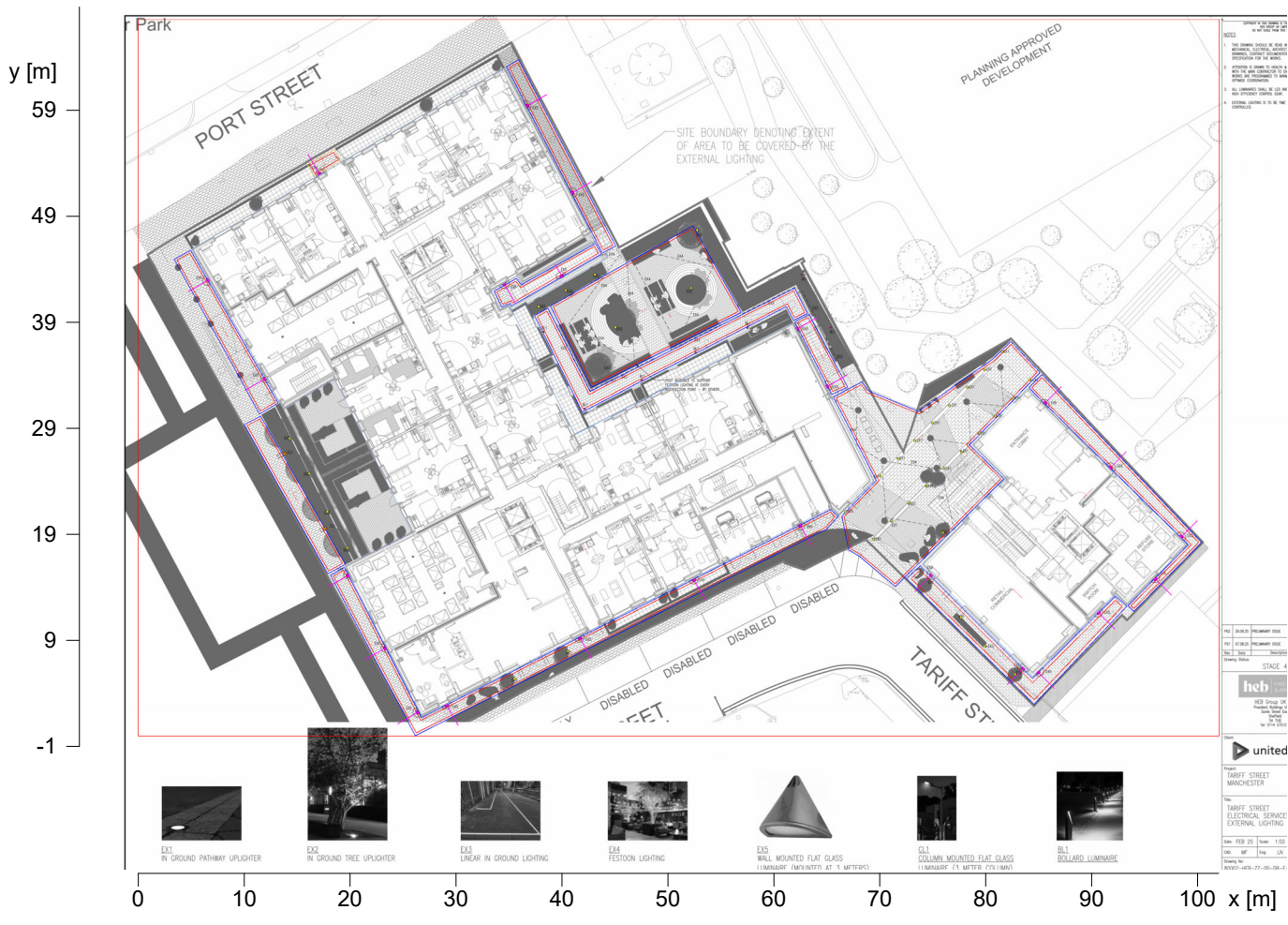
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2 Exterior

2.1 Description, Exterior

2.1.1 Floor plan



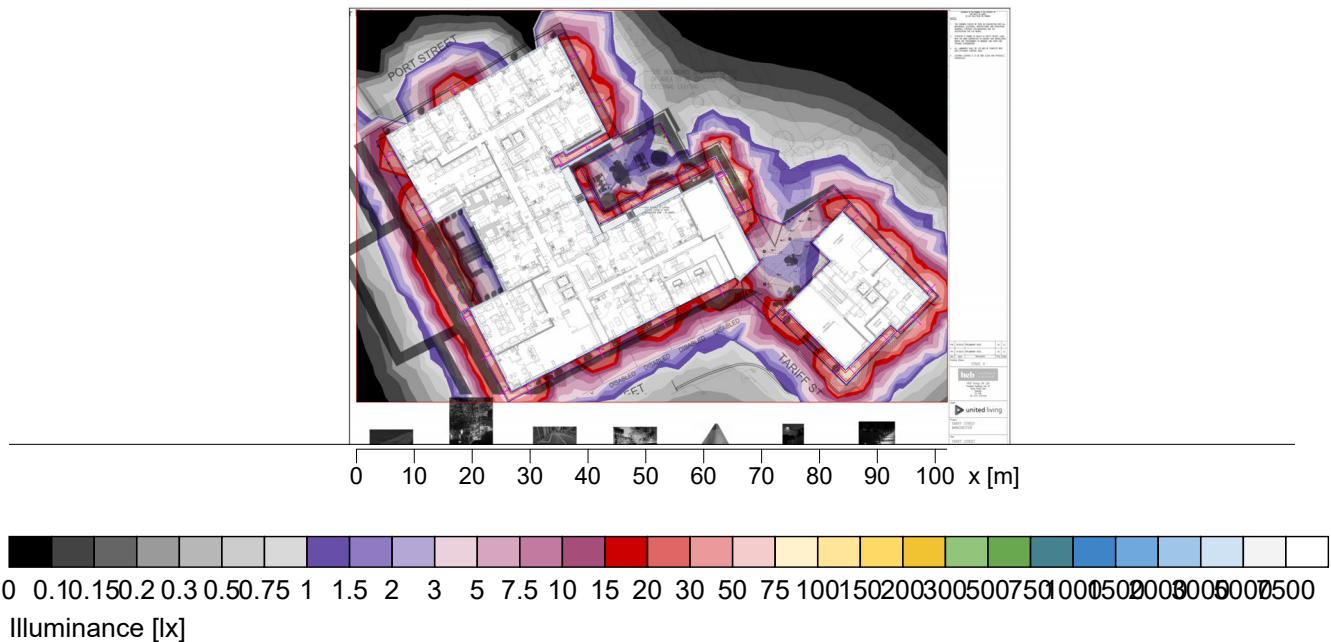
Object : Tariff Street Externals
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2 Exterior

2.2 Summary, Exterior

2.2.1 Result overview, Site



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	167204.95 lm
Luminaire luminous flux	151046.66 lm
Total power	1276.8 W
Total power per area (6885.00 m²)	0.19 W/m² (2.46 W/m²/100lx)

Site

	Site
	Horizontal
$\bar{E}_m$	7.54 lx
E_{min}	0.02 lx
$E_{min}/\bar{E}_m (U_o)$	0.00
$E_{min}/E_{max} (U_d)$	0.00
Position	0.00 m

Type No. Make

1	35 x	ANSELL	
		Order No.	: ATUR3/1/WW
		Luminaire name	: FEATURE LIGHTING - Turno
		Equipment	: 1 x LED 19.6 W / 2899.83 lm

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2 Exterior

2.2 Summary, Exterior

2.2.1 Result overview, Site

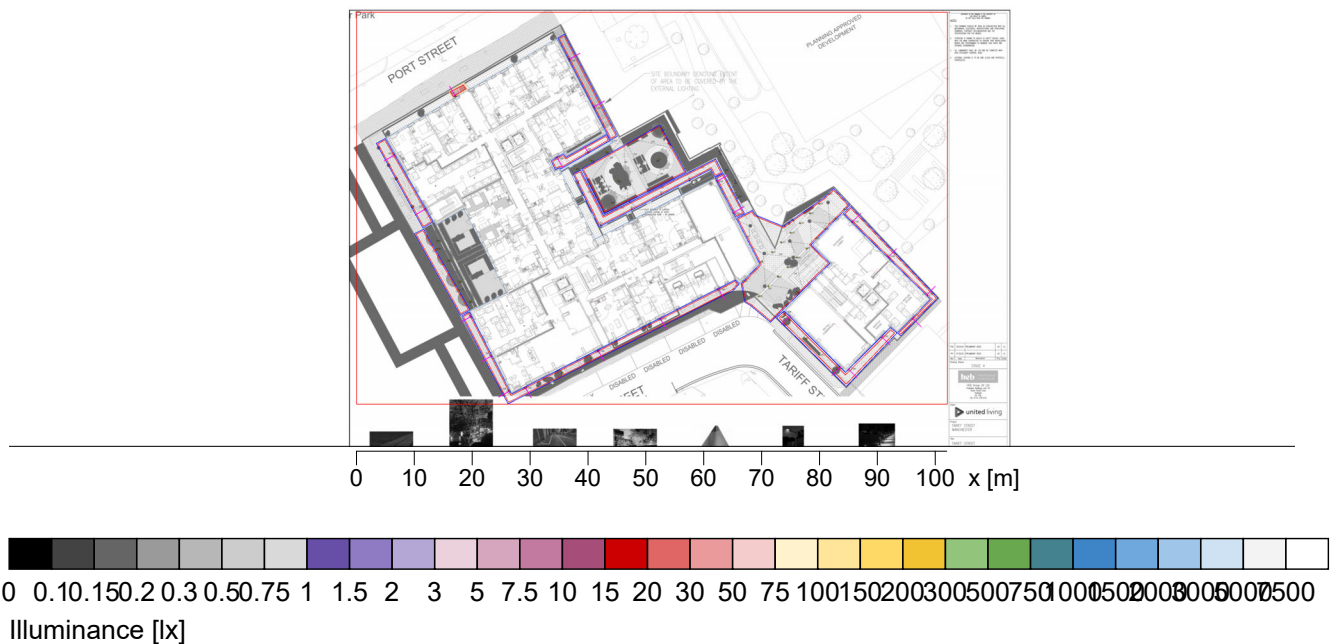
2	24 x	Order No.	: AWOLF/BLK (WW 19W)
		Luminaire name	: BULKHEADS - Wolf Black 3000K
		Equipment	: 1 x LED single 830 19.23 W / 2234 lm
3	2 x	Order No.	: AGAB1/1 (20W 3000K)
		Luminaire name	: STREETLIGHTS - Gabbro 3000K
		Equipment	: 1 x LED 21.6 W / 2870.3 lm
4	7 x	Order No.	: AAVIO/1/BK (12W 3000K)
		Luminaire name	: BOLLARDS - Avio 3000K
		Equipment	: 1 x LED 12.3 W / 907.76 lm

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2.2 Summary, Exterior

2.2.2 Result overview, Building 1 entrance 1



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Luminaire luminous flux	2234.00 lm
Total power	19.2 W
Total power per area (3.75 m²)	5.13 W/m² (9.94 W/m²/100lx)

Building 1 entrance 1

$\bar{E}_m$	51.6 lx
E_{min}	35.1 lx
$E_{min}/\bar{E}_m (U_o)$	0.68
$E_{min}/E_{max} (U_d)$	0.56
Position	0.00 m

Building 1 entrance 1

Horizontal
 51.6 lx
 35.1 lx
 0.68
 0.56
 0.00 m

Type No. \ Make

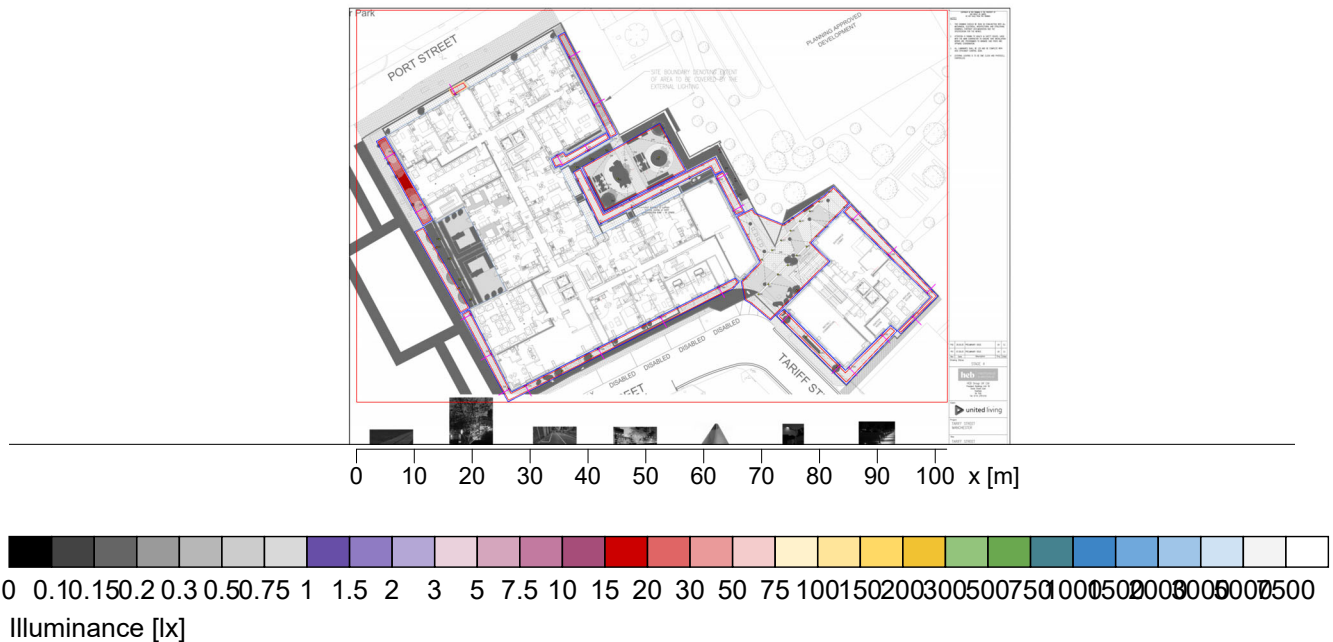
2	1 x	ANSELL	
		Order No.	: AWOLF/BLK (WW 19W)
		Luminaire name	: BULKHEADS - Wolf Black 3000K
		Equipment	: 1 x LED single 830 19.23 W / 2234 lm

Object : Tariff Street Externals
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2.2 Summary, Exterior

2.2.3 Result overview, Building 1 perimeter 1



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Luminaire luminous flux	4468.00 lm
Total power	38.5 W
Total power per area (31.58 m²)	1.22 W/m² (3.08 W/m²/100lx)

Building 1 perimeter 1

	Horizontal
$\bar{E}_m$	39.6 lx
E_{min}	16.4 lx
$E_{min}/\bar{E}_m (U_o)$	0.41
$E_{min}/E_{max} (U_d)$	0.25
Position	0.00 m

Type No. \Make

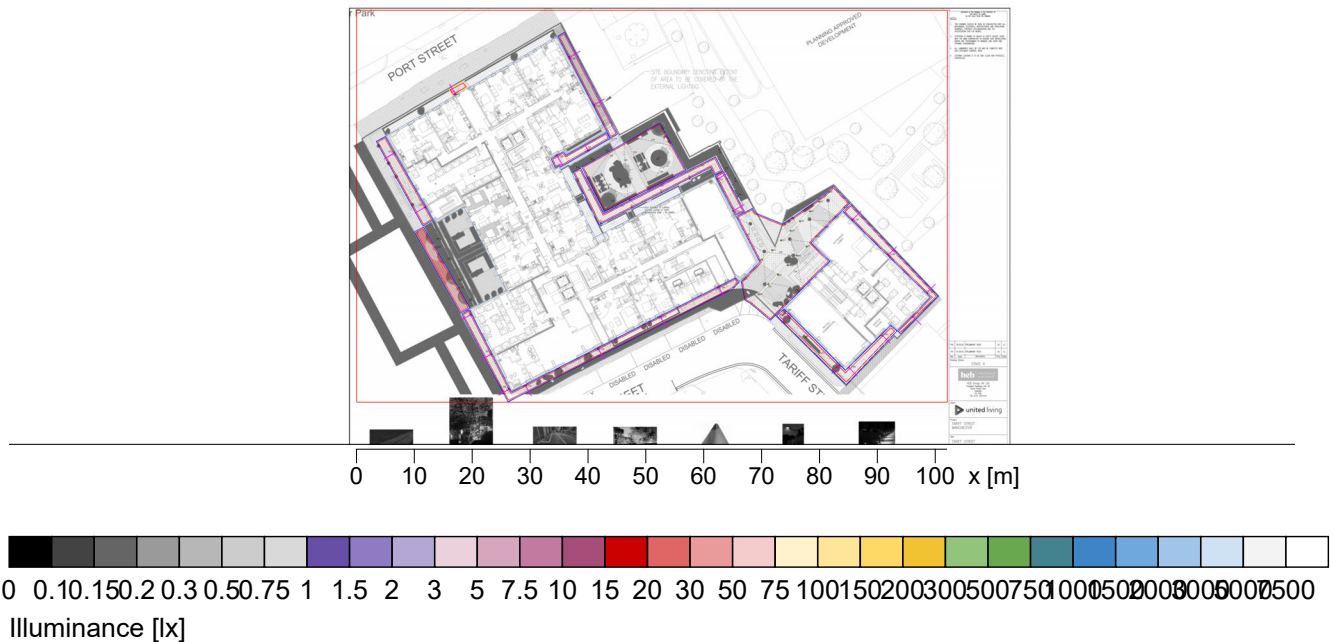
2	2 x	ANSELL	
		Order No.	: AWOLF/BLK (WW 19W)
		Luminaire name	: BULKHEADS - Wolf Black 3000K
		Equipment	: 1 x LED single 830 19.23 W / 2234 lm

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2.2 Summary, Exterior

2.2.4 Result overview, Building 1 perimeter 2



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	2870.30 lm
Luminaire luminous flux	2868.49 lm
Total power	21.6 W
Total power per area (29.16 m²)	0.74 W/m² (1.39 W/m²/100lx)

Building 1 perimeter 2

$\bar{E}_m$	53.3 lx
E_{min}	29 lx
$E_{min}/\bar{E}_m (U_o)$	0.54
$E_{min}/E_{max} (U_d)$	0.40
Position	0.00 m

Building 1 perimeter 2

Horizontal
$\bar{E}_m$
E_{min}
$E_{min}/\bar{E}_m (U_o)$
$E_{min}/E_{max} (U_d)$
Position

Type No. Make

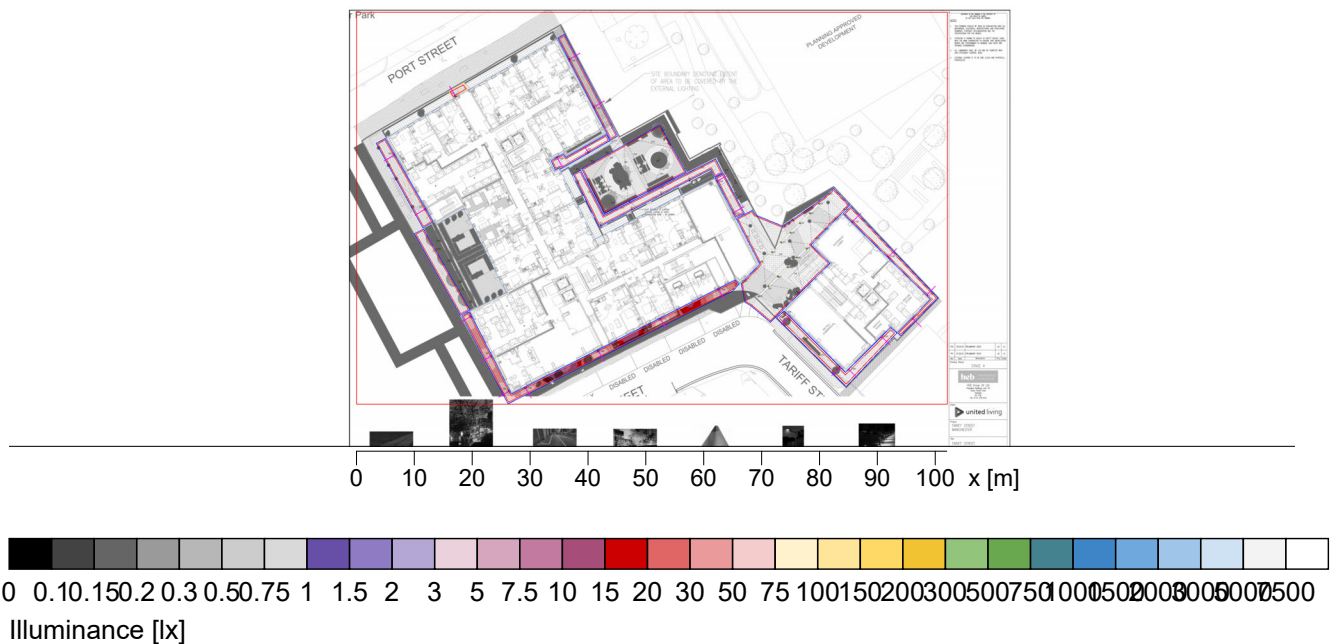
3	1 x	ANSELL
		Order No. : AGAB1/1 (20W 3000K)
		Luminaire name : STREETLIGHTS - Gabbro 3000K
		Equipment : 1 x LED 21.6 W / 2870.3 lm

Object : Tariff Street Externals
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2.2 Summary, Exterior

2.2.5 Result overview, Building 1 perimeter 3



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	21437.66 lm
Luminaire luminous flux	20520.57 lm
Total power	173.8 W
Total power per area (82.97 m²)	2.09 W/m² (5.31 W/m²/100lx)

Building 1 perimeter 3

$\bar{E}_m$	39.5 lx
E_{min}	8.5 lx
$E_{min}/\bar{E}_m (U_o)$	0.22
$E_{min}/E_{max} (U_d)$	0.11
Position	0.00 m

Building 1 perimeter 3

Horizontal
39.5 lx
8.5 lx
0.22
0.11
0.00 m

Type No.1Make

1	2 x	ANSELL
		Order No. : ATUR3/1/WW
		Luminaire name : FEATURE LIGHTING - Turno
		Equipment : 1 x LED 19.6 W / 2899.83 lm

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2.2 Summary, Exterior

2.2.5 Result overview, Building 1 perimeter 3

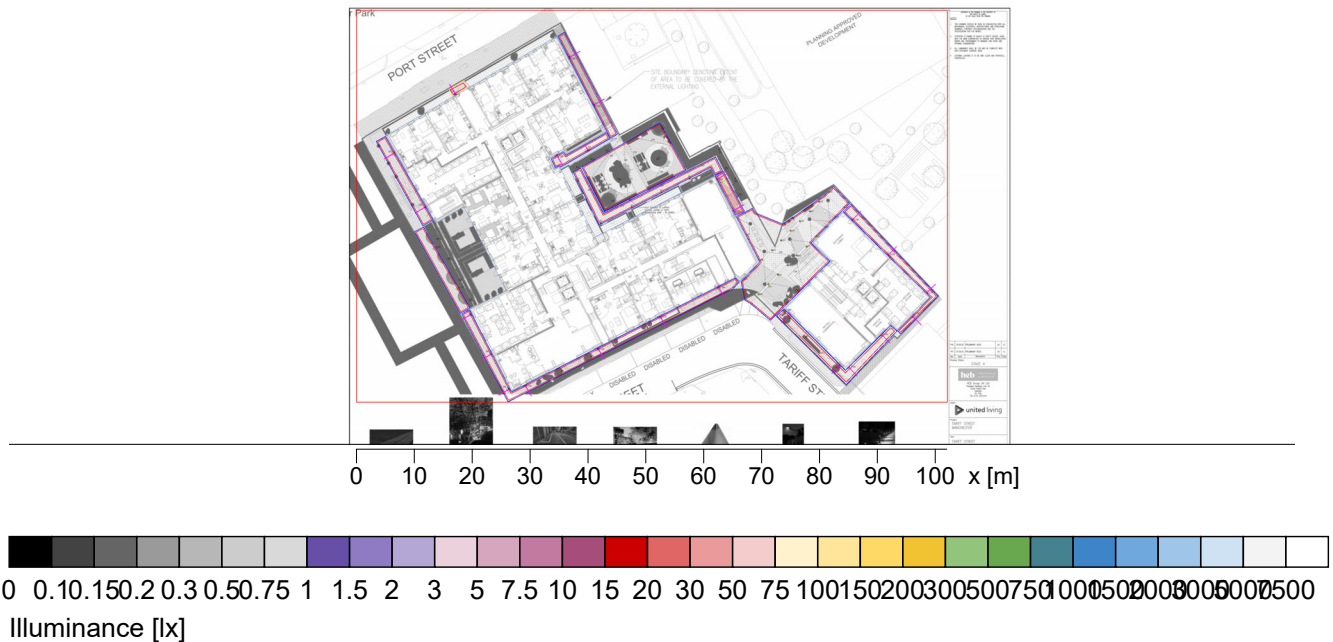
2	7 x	Order No.	: AWOLF/BLK (WW 19W)
		Luminaire name	: BULKHEADS - Wolf Black 3000K
		Equipment	: 1 x LED single 830 19.23 W / 2234 lm

Object : Tariff Street Externals
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2.2 Summary, Exterior

2.2.6 Result overview, Building 1 perimeter 4



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Luminaire luminous flux	4468.00 lm
Total power	38.5 W
Total power per area (12.14 m²)	3.17 W/m² (4.84 W/m²/100lx)

Building 1 perimeter 4

	Horizontal
$\bar{E}_m$	65.5 lx
E_{min}	49 lx
$E_{min}/\bar{E}_m (U_o)$	0.75
$E_{min}/E_{max} (U_d)$	0.52
Position	0.00 m

Type No. \Make

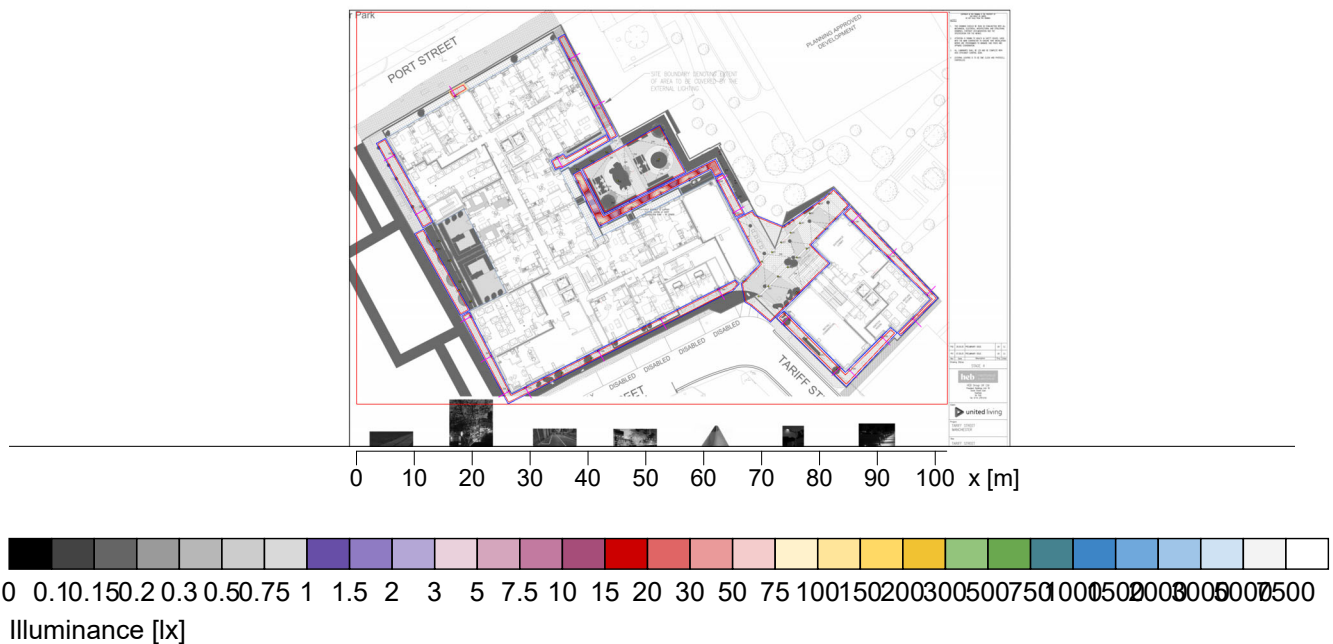
2	2 x	ANSELL	
		Order No.	: AWOLF/BLK (WW 19W)
		Luminaire name	: BULKHEADS - Wolf Black 3000K
		Equipment	: 1 x LED single 830 19.23 W / 2234 lm

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2.2 Summary, Exterior

2.2.7 Result overview, Footpath



General	
Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	3631.04 lm
Luminaire luminous flux	3570.67 lm
Total power	49.2 W
Total power per area (44.62 m²)	1.10 W/m² (2.96 W/m²/100lx)

Footpath	Footpath
	Horizontal
$\bar{E}_m$	37.3 lx
E_{min}	2.7 lx
$E_{min}/\bar{E}_m (U_o)$	0.07
$E_{min}/E_{max} (U_d)$	0.03
Position	0.00 m

Type No. Make

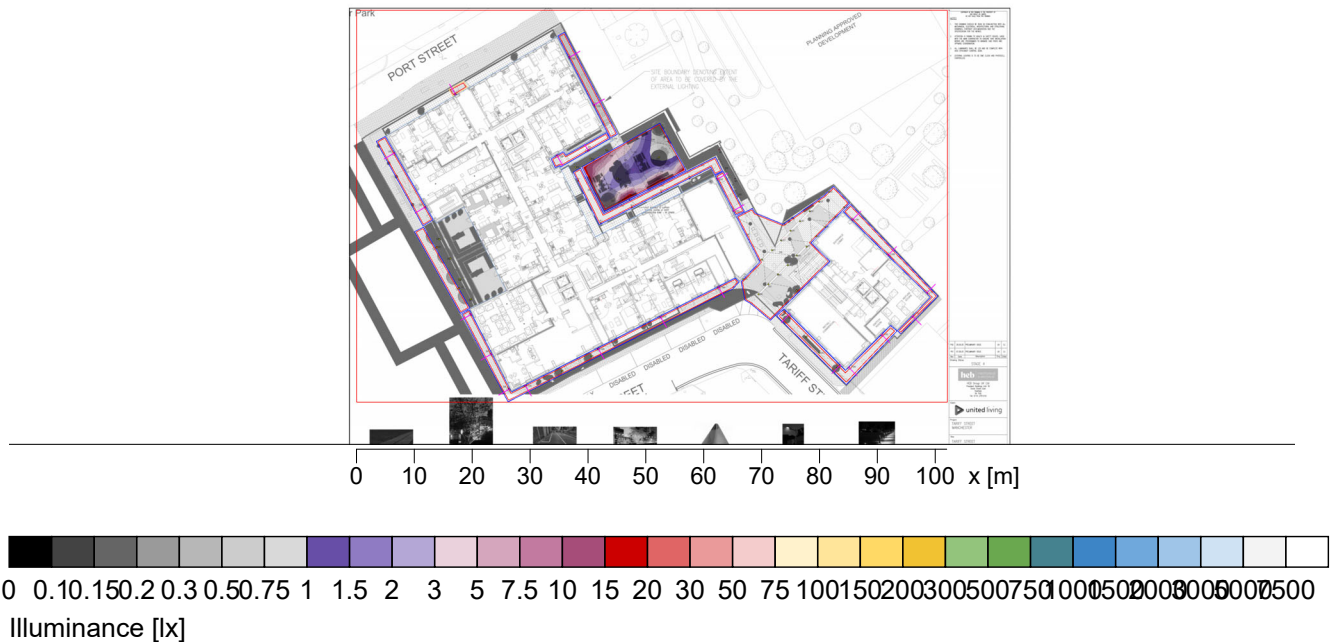
4	4 x	ANSELL	
		Order No.	: AAVIO/1/BK (12W 3000K)
		Luminaire name	: BOLLARDS - Avio 3000K
		Equipment	: 1 x LED 12.3 W / 907.76 lm

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2.2 Summary, Exterior

2.2.8 Result overview, Open area 1



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	5799.66 lm
Luminaire luminous flux	4882.57 lm
Total power	39.2 W
Total power per area (139.66 m²)	0.28 W/m² (7.82 W/m²/100lx)

Open area 1

$\bar{E}_m$	3.59 lx
E_{min}	0.57 lx
$E_{min}/\bar{E}_m (U_o)$	0.16
$E_{min}/E_{max} (U_d)$	0.03
Position	0.00 m

Open area 1

Horizontal
3.59 lx
0.57 lx
0.16
0.03
0.00 m

Type No. \ Make

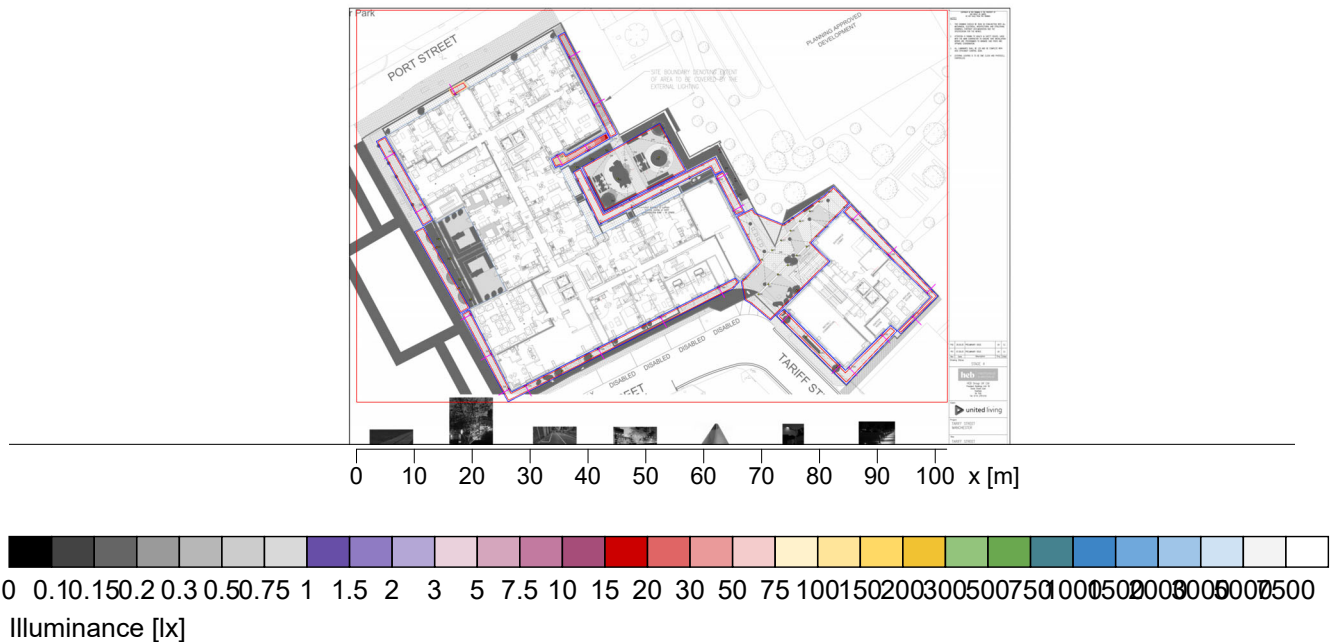
1	2 x	ANSELL
		Order No. : ATUR3/1/WW
		Luminaire name : FEATURE LIGHTING - Turno
		Equipment : 1 x LED 19.6 W / 2899.83 lm

Object : Tariff Street Externals
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2.2 Summary, Exterior

2.2.9 Result overview, Building 1 perimeter 5



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Luminaire luminous flux	4468.00 lm
Total power	38.5 W
Total power per area (14.50 m²)	2.65 W/m² (4.21 W/m²/100lx)

Building 1 perimeter 5

$\bar{E}_m$	63 lx
E_{min}	16.5 lx
$E_{min}/\bar{E}_m (U_o)$	0.26
$E_{min}/E_{max} (U_d)$	0.19
Position	0.00 m

Building 1 perimeter 5

Horizontal
$\bar{E}_m$
E_{min}
$E_{min}/\bar{E}_m (U_o)$
$E_{min}/E_{max} (U_d)$
Position

Type No. \Make

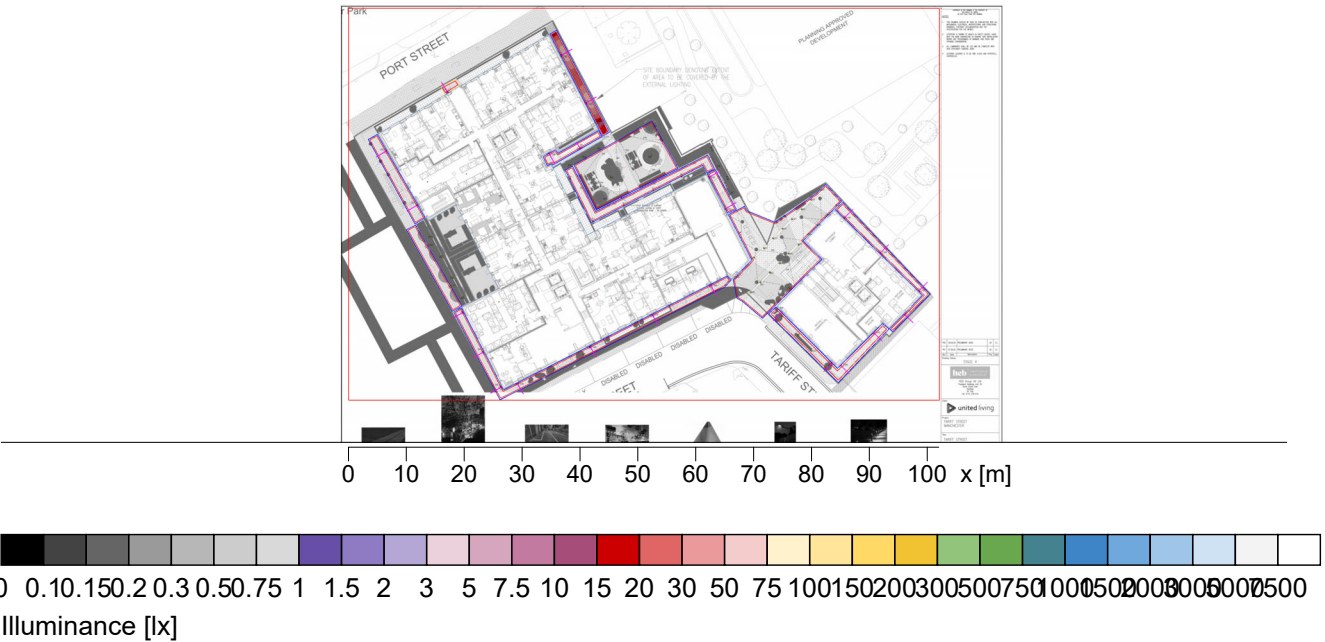
2	2 x	ANSELL	
		Order No.	: AWOLF/BLK (WW 19W)
		Luminaire name	: BULKHEADS - Wolf Black 3000K
		Equipment	: 1 x LED single 830 19.23 W / 2234 lm

Object : Tariff Street Externals
Installation : Proposed New Lighting
Project number : QUO-798560-FMYU9A
Date : 1.12.2025



2.2 Summary, Exterior

2.2.10 Result overview, Building 1 perimeter 6



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Luminaire luminous flux	4468.00 lm
Total power	38.5 W
Total power per area (26.98 m²)	1.43 W/m² (3.87 W/m²/100lx)

Building 1 perimeter 6

	Horizontal
$\bar{E}_m$	36.8 lx
E_{min}	10.1 lx
$E_{min}/\bar{E}_m (U_o)$	0.27
$E_{min}/E_{max} (U_d)$	0.16
Position	0.00 m

Type No. Make

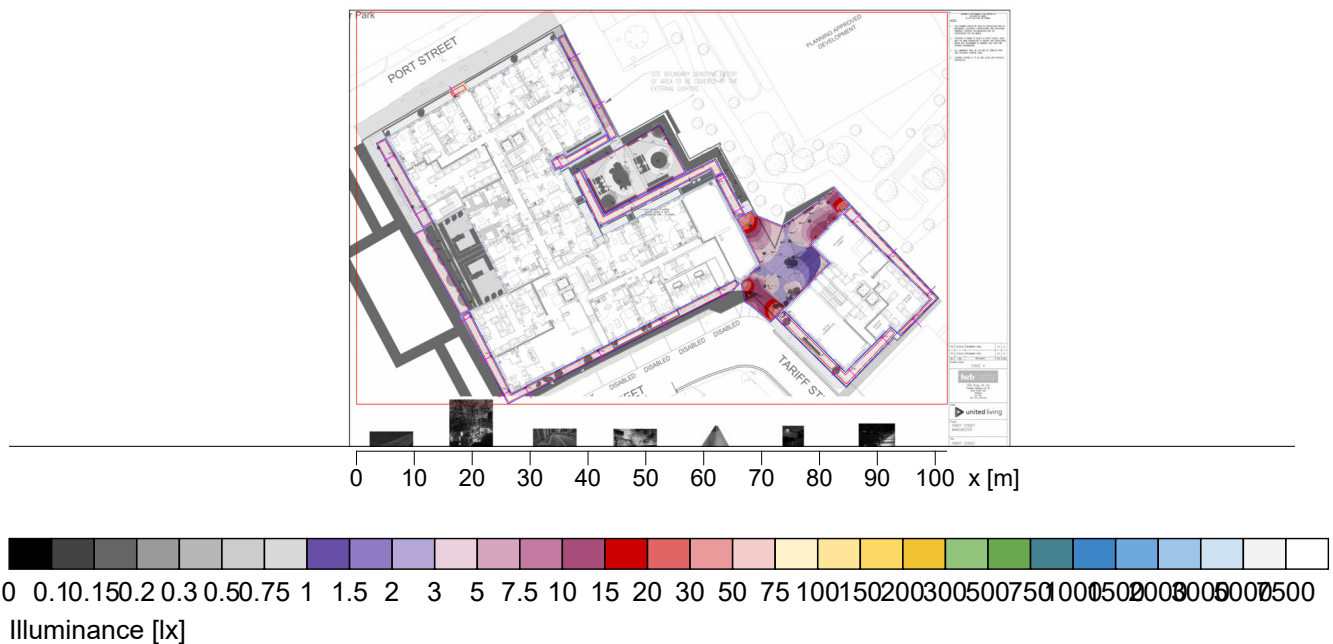
2	2 x	ANSELL
	Order No.	: AWOLF/BLK (WW 19W)
	Luminaire name	: BULKHEADS - Wolf Black 3000K
	Equipment	: 1 x LED single 830 19.23 W / 2234 lm

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.2 Summary, Exterior

2.2.11 Result overview, Open area 2



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	57996.59 lm
Luminaire luminous flux	48825.71 lm
Total power	392.0 W
Total power per area (208.38 m²)	1.88 W/m² (24.71 W/m²/100lx)

Open area 2

	Open area 2
$\bar{E}_m$	Horizontal
E_{min}	7.61 lx
$E_{min}/\bar{E}_m (U_o)$	0.78 lx
$E_{min}/E_{max} (U_d)$	0.10
Position	0.01
	0.00 m

Type No. Make

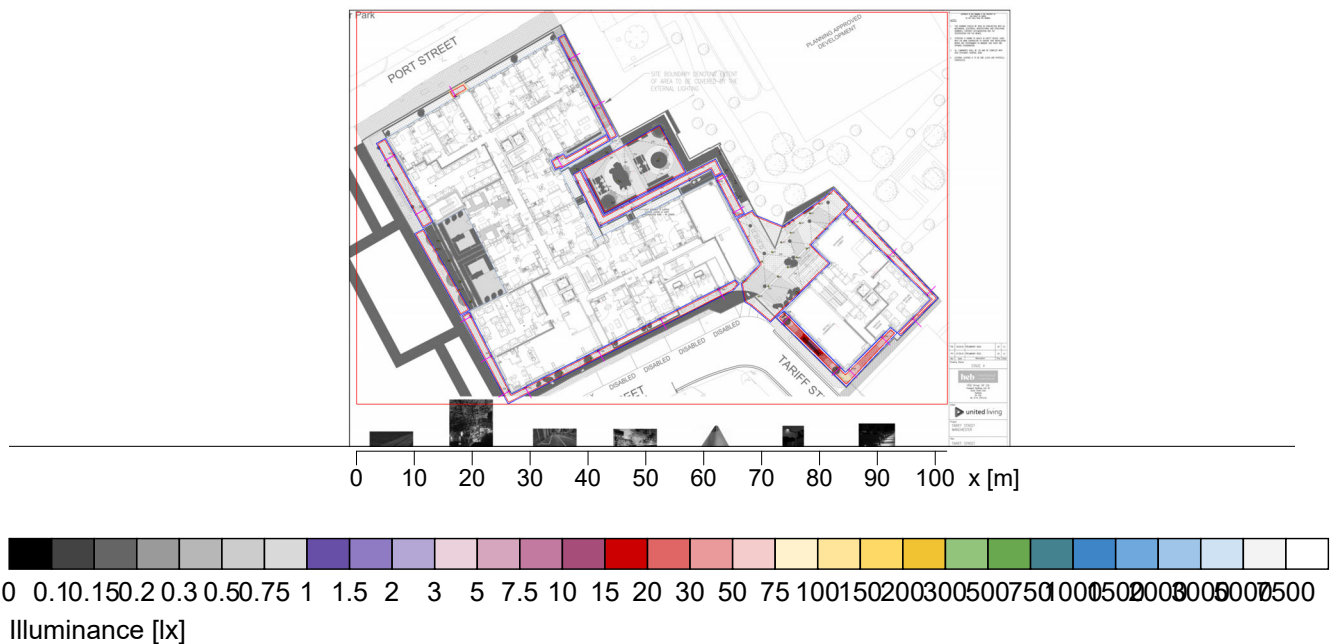
1	20 x	ANSELL
	Order No.	: ATUR3/1/WW
	Luminaire name	: FEATURE LIGHTING - Turno
	Equipment	: 1 x LED 19.6 W / 2899.83 lm

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.2 Summary, Exterior

2.2.12 Result overview, Building 2 perimeter 1



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	17635.49 lm
Luminaire luminous flux	16259.86 lm
Total power	135.7 W
Total power per area (46.50 m²)	2.92 W/m² (6.57 W/m²/100lx)

Building 2 perimeter 1

$\bar{E}_m$	44.4 lx
E_{min}	12.9 lx
$E_{min}/\bar{E}_m (U_o)$	0.29
$E_{min}/E_{max} (U_d)$	0.14
Position	0.00 m

Building 2 perimeter 1

Horizontal
$\bar{E}_m$
E_{min}
$E_{min}/\bar{E}_m (U_o)$
$E_{min}/E_{max} (U_d)$
Position

Type No. Make

1	3 x	ANSELL
	Order No.	: ATUR3/1/WW
	Luminaire name	: FEATURE LIGHTING - Turno
	Equipment	: 1 x LED 19.6 W / 2899.83 lm

Object : Tariff Street Externals
Installation : Proposed New Lighting
Project number : QUO-798560-FMYU9A
Date : 1.12.2025



2.2 Summary, Exterior

2.2.12 Result overview, Building 2 perimeter 1

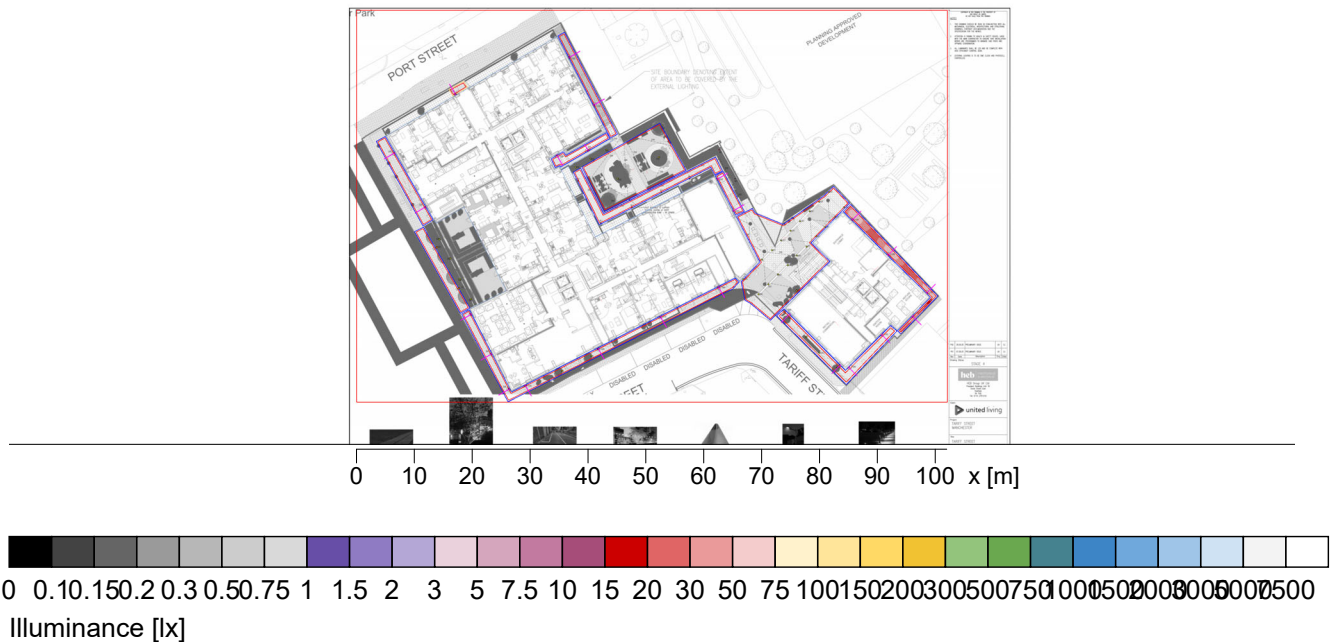
2	4 x	Order No.	: AWOLF/BLK (WW 19W)
		Luminaire name	: BULKHEADS - Wolf Black 3000K
		Equipment	: 1 x LED single 830 19.23 W / 2234 lm

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.2 Summary, Exterior

2.2.13 Result overview, Building 2 perimeter 2



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Luminaire luminous flux	8936.00 lm
Total power	76.9 W
Total power per area (36.58 m²)	2.10 W/m² (4.94 W/m²/100lx)

Building 2 perimeter 2

$\bar{E}_m$	Horizontal
E_{min}	42.6 lx
$E_{min}/\bar{E}_m (U_o)$	13 lx
$E_{min}/E_{max} (U_d)$	0.31
Position	0.20
	0.00 m

Building 2 perimeter 2

Type No. \Make

2	4 x	ANSELL
	Order No.	: AWOLF/BLK (WW 19W)
	Luminaire name	: BULKHEADS - Wolf Black 3000K
	Equipment	: 1 x LED single 830 19.23 W / 2234 lm

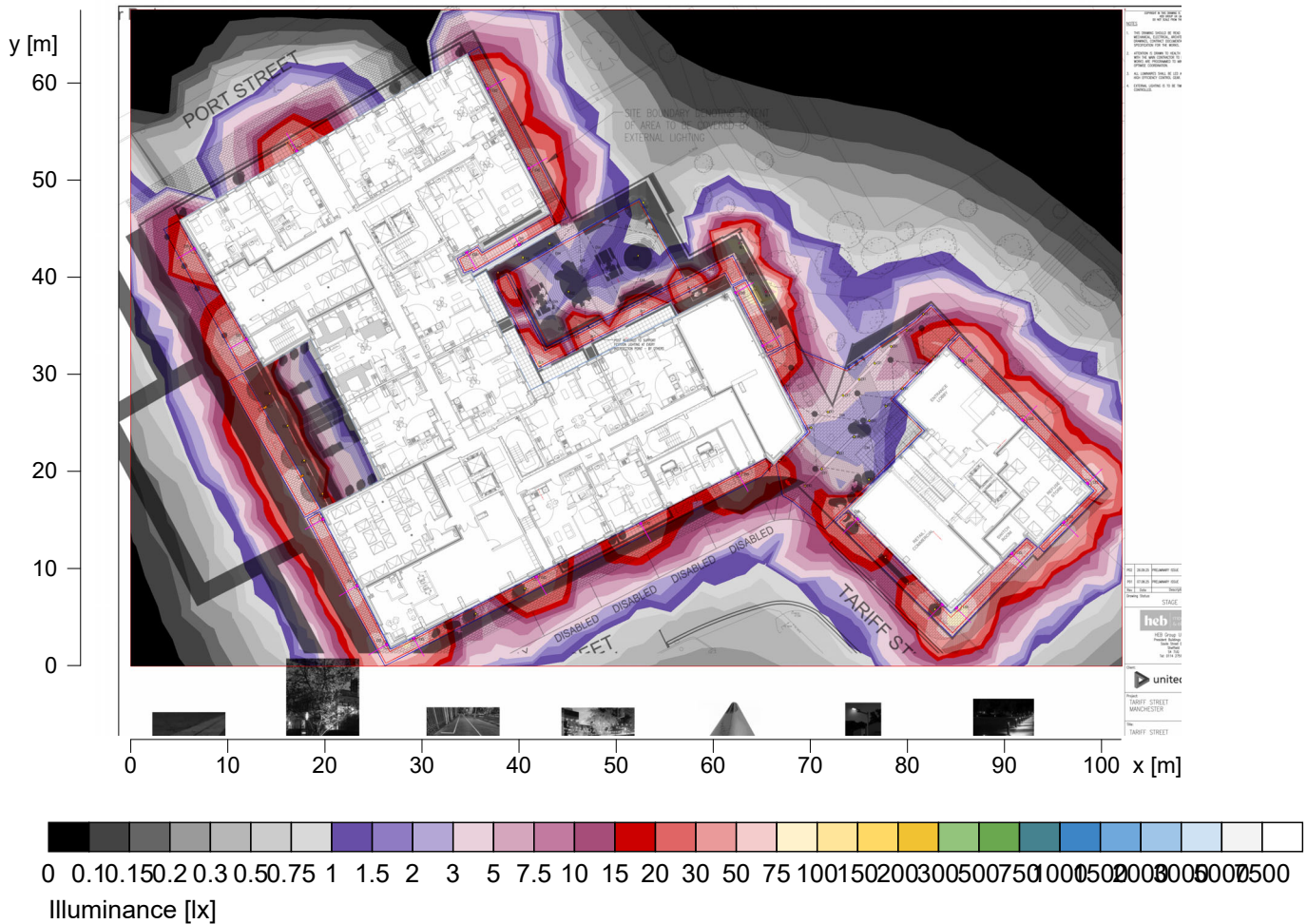
Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2 Exterior

2.3 Calculation results, Exterior

2.3.1 Pseudo colours, Site (E)



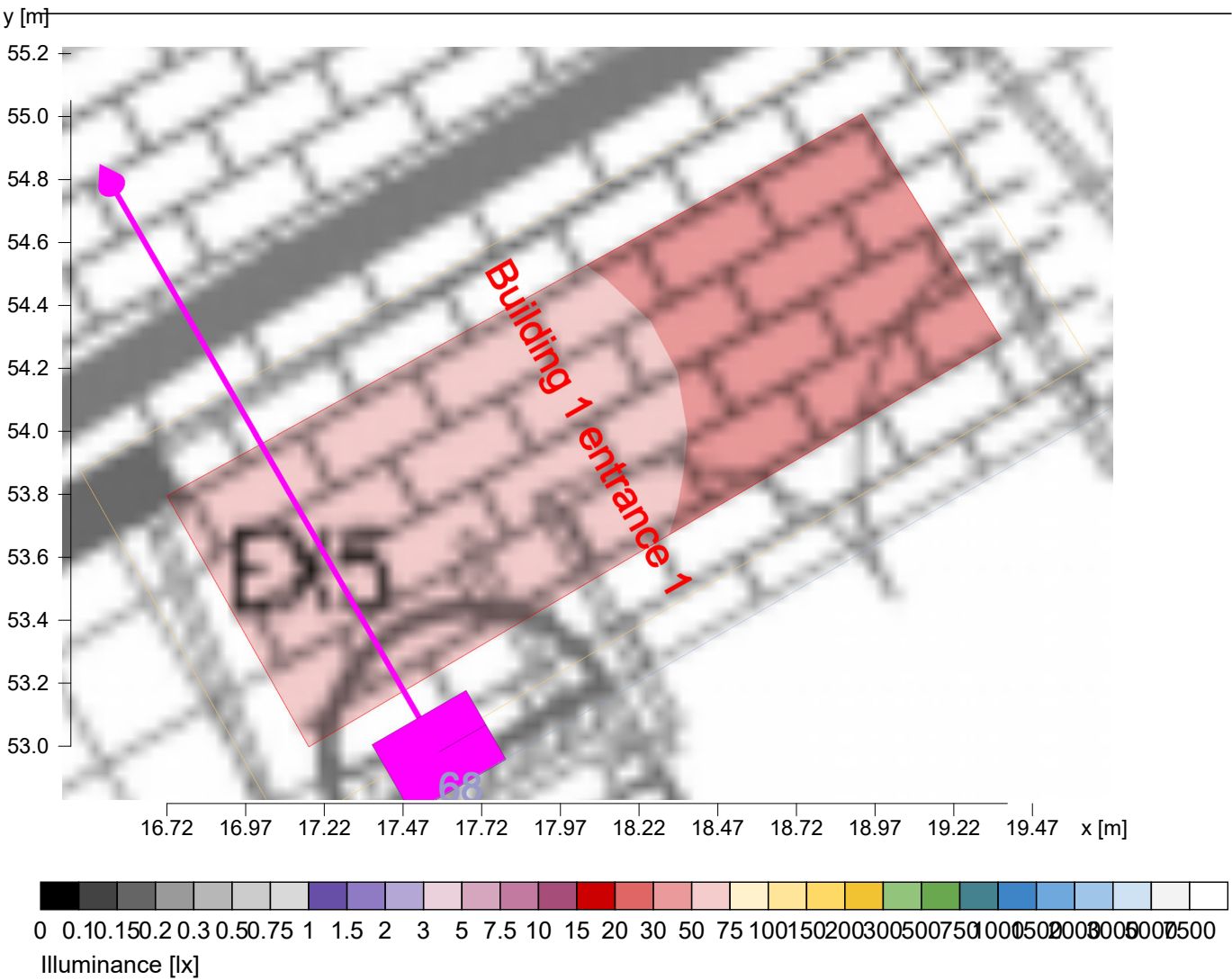
Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 7.5 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 86.4 lx
Uniformity U_0	$E_{min}/\bar{E}_m$	: 1 : 302.67 (0.00)

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.2 Pseudo colours, Building 1 entrance 1 (E)



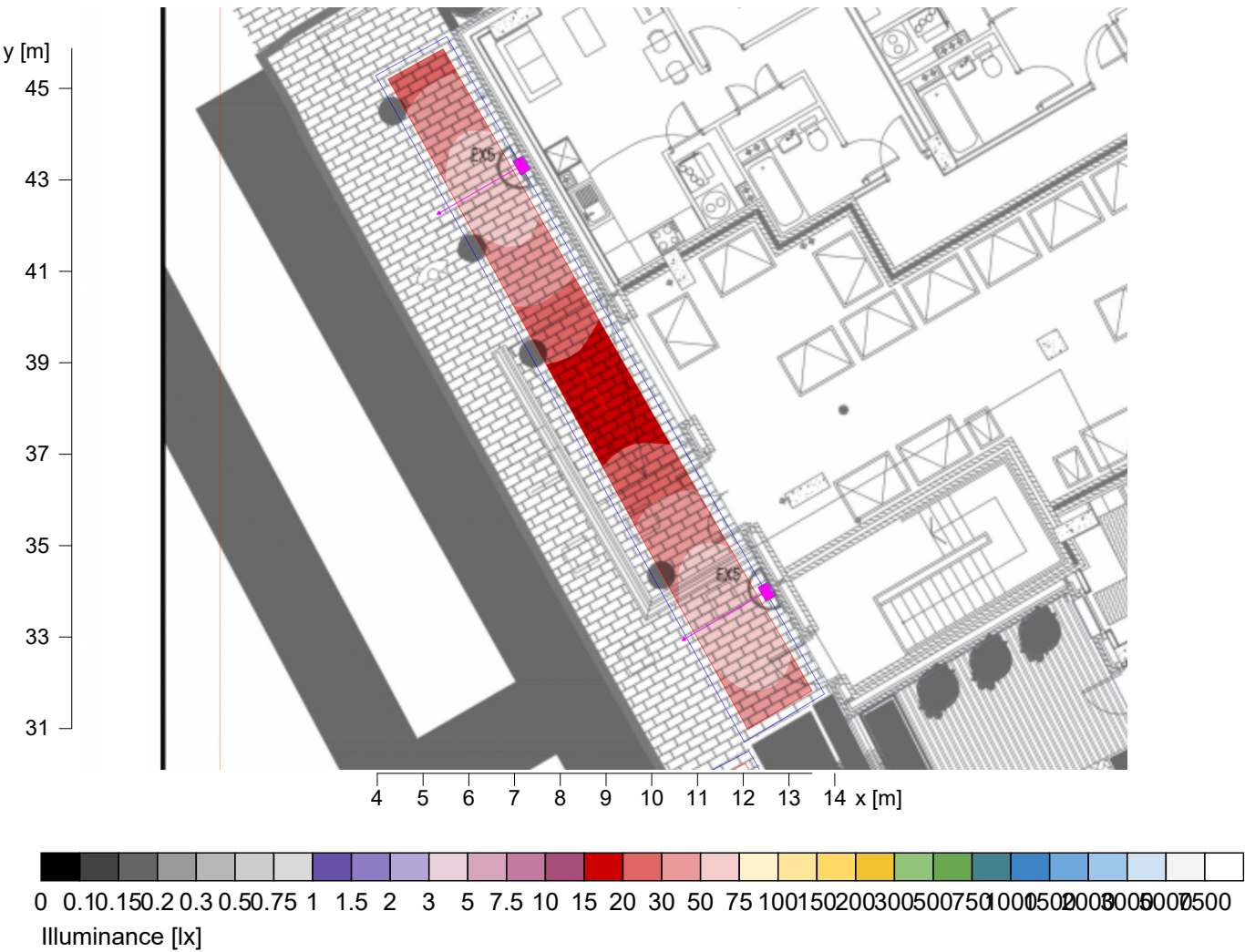
Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 51.6 lx
Minimum illuminance	E_{min}	: 35.1 lx
Maximum illuminance	E_{max}	: 62.7 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.47 (0.68)

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.3 Pseudo colours, Building 1 perimeter 1 (E)



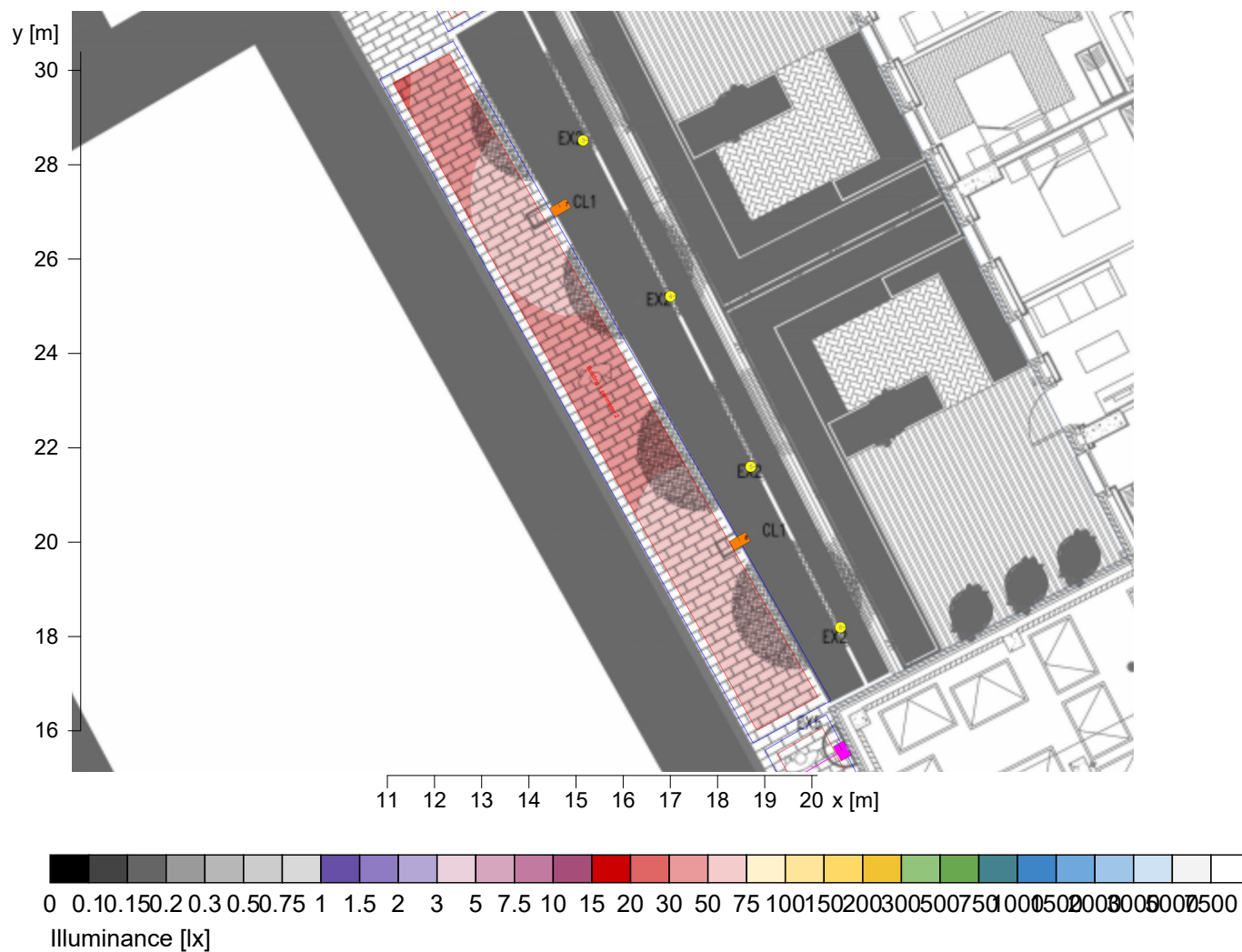
Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 39.6 lx
Minimum illuminance	E_{min}	: 16.4 lx
Maximum illuminance	E_{max}	: 65.6 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.42 (0.41)

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.4 Pseudo colours, Building 1 perimeter 2 (E)



Height reference plane
 Average illuminance
 Minimum illuminance
 Maximum illuminance
 Uniformity U_0

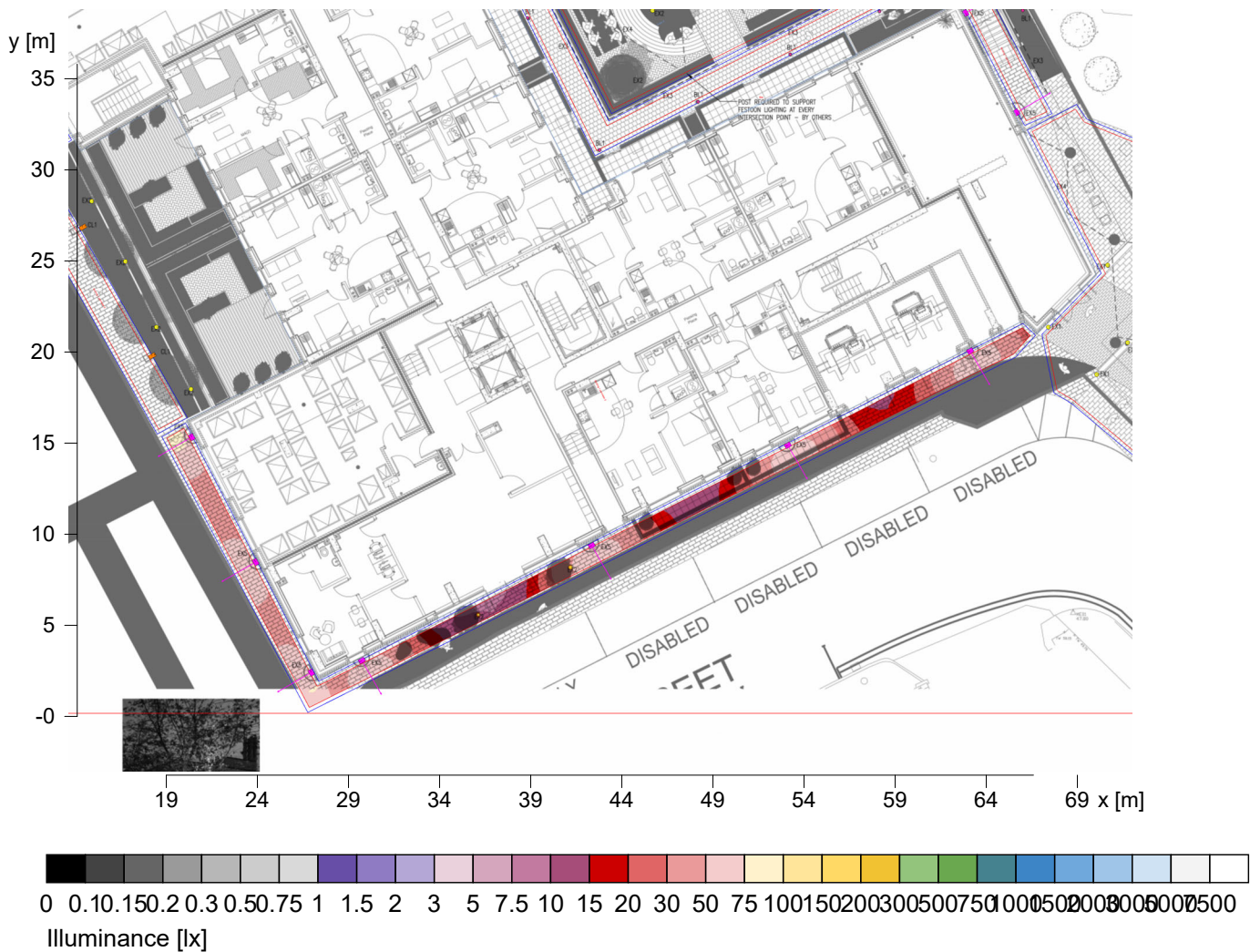
: 0.00 m
 $\bar{E}_m$: 53.3 lx
 E_{min} : 29 lx
 E_{max} : 73.4 lx
 $E_{min}/\bar{E}_m$: 1 : 1.84 (0.54)

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.5 Pseudo colours, Building 1 perimeter 3 (E)



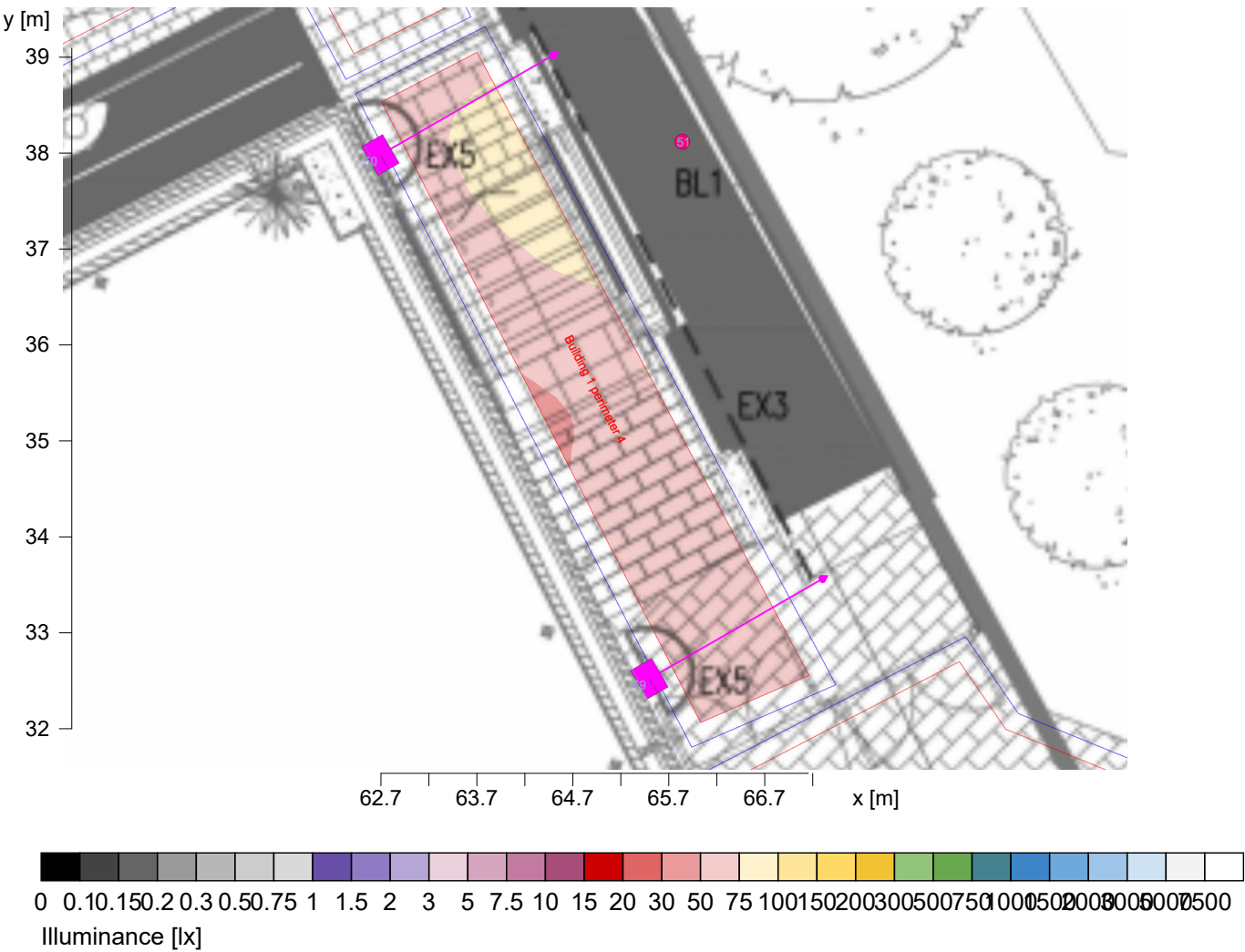
Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 39.5 lx
Minimum illuminance	E_{min}	: 8.5 lx
Maximum illuminance	E_{max}	: 77.4 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 4.62 (0.22)

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.3 Calculation results, Exterior

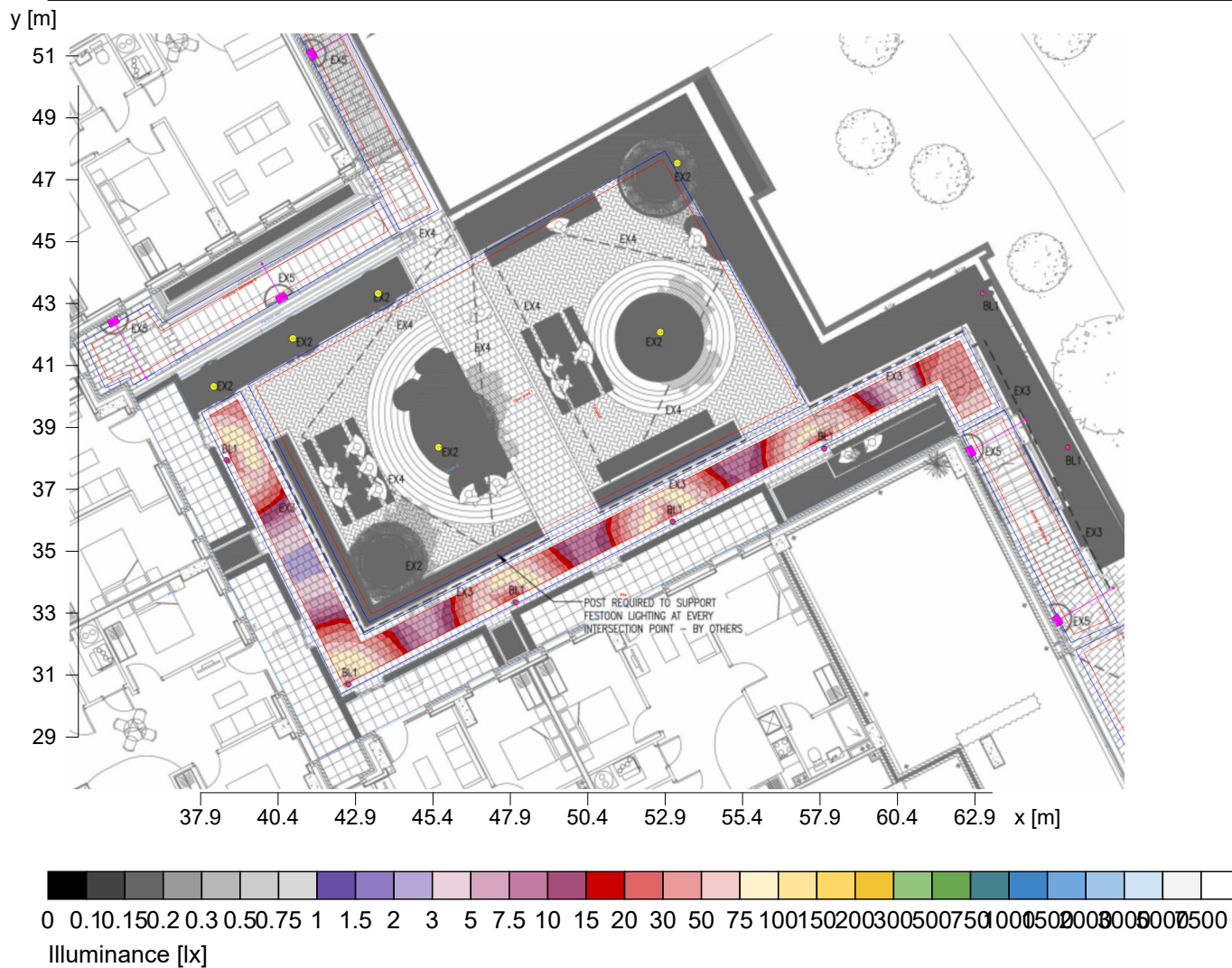
2.3.6 Pseudo colours, Building 1 perimeter 4 (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 65.5 lx
Minimum illuminance	E_{min}	: 49 lx
Maximum illuminance	E_{max}	: 94.5 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.34 (0.75)

The logo for Ansell Lighting features a large, stylized white letter 'A' on a dark red background. The 'A' has a unique design with a loop on the left and a sharp point on the right. To the right of the 'A', the word 'ansell' is written in a lowercase, white, sans-serif font. Below 'ansell', the word 'LIGHTING' is written in a smaller, uppercase, white, sans-serif font. The entire logo is set against a dark red background that has rounded corners on the top and bottom edges.

2.3.7 Pseudo colours, Footpath (E)



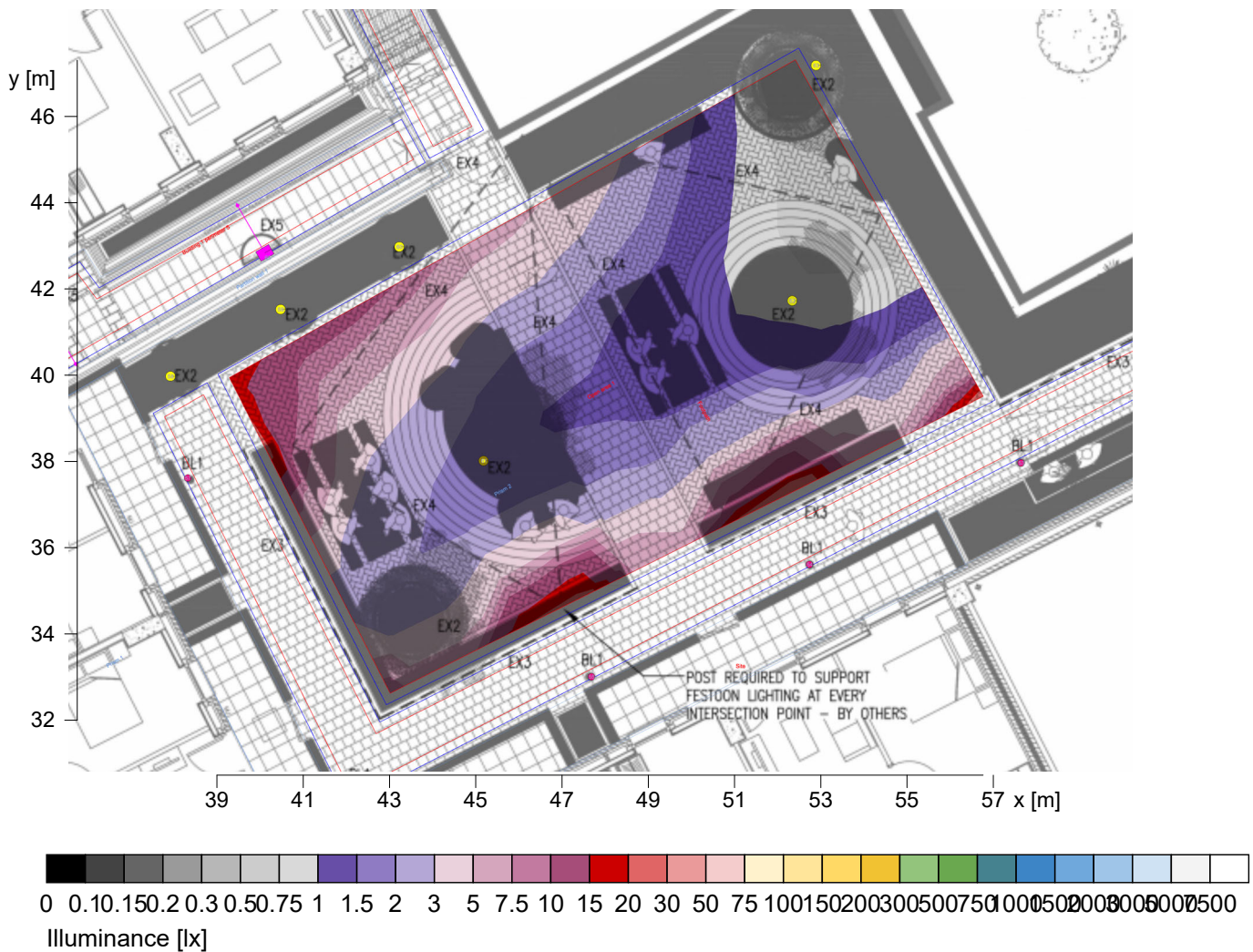
	: 0.00 m
$\bar{E}_m$	: 37 lx
E_{min}	: 3 lx
E_{max}	: 101 lx
$E_{min}/\bar{E}_m$	: 1 : 14.00 (0.07)

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.8 Pseudo colours, Open area 1 (E)



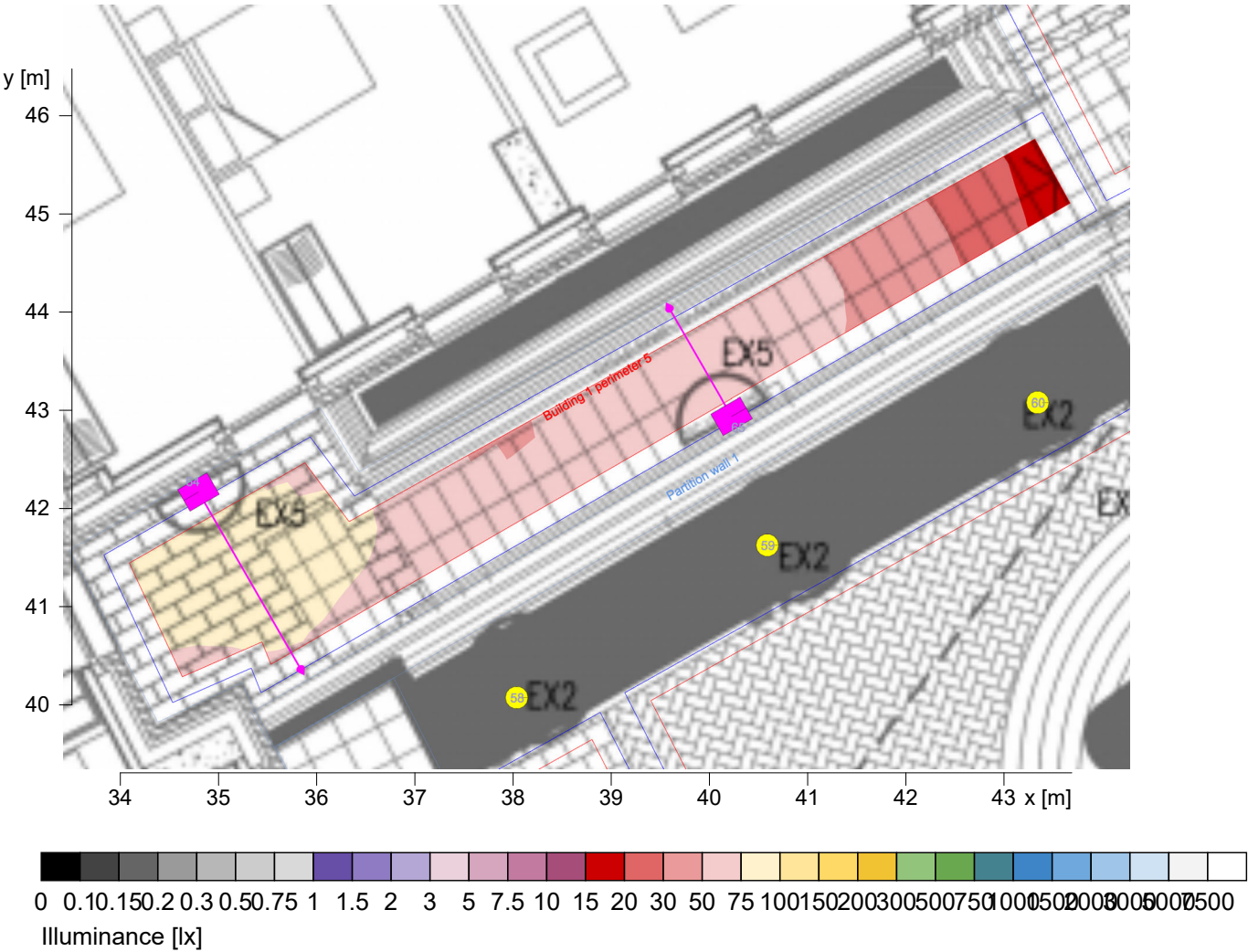
Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 3.6 lx
Minimum illuminance	E_{min}	: 0.6 lx
Maximum illuminance	E_{max}	: 19.6 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 6.32 (0.16)

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.9 Pseudo colours, Building 1 perimeter 5 (E)



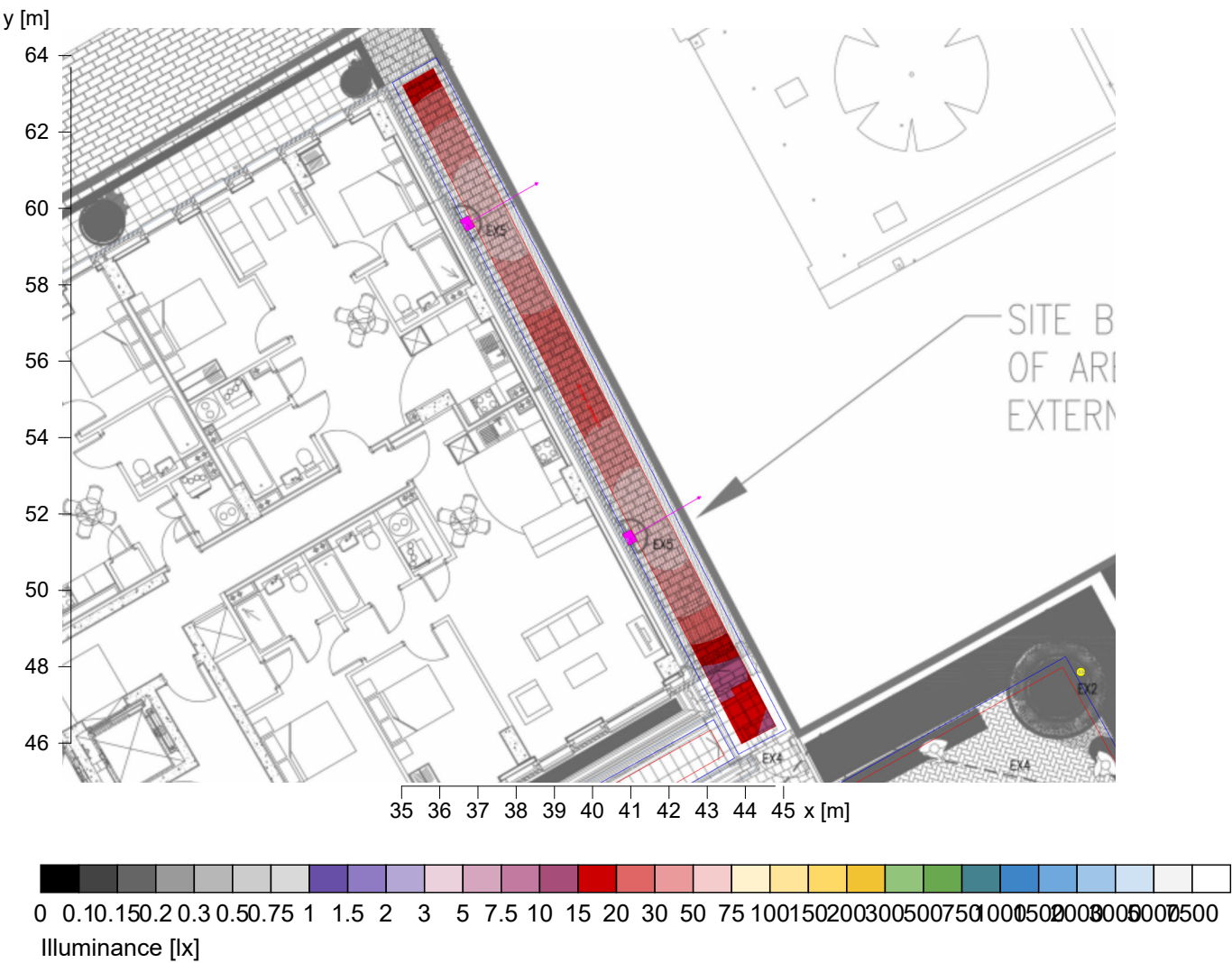
Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 63 lx
Minimum illuminance	E_{min}	: 16.5 lx
Maximum illuminance	E_{max}	: 88.1 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 3.83 (0.26)

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



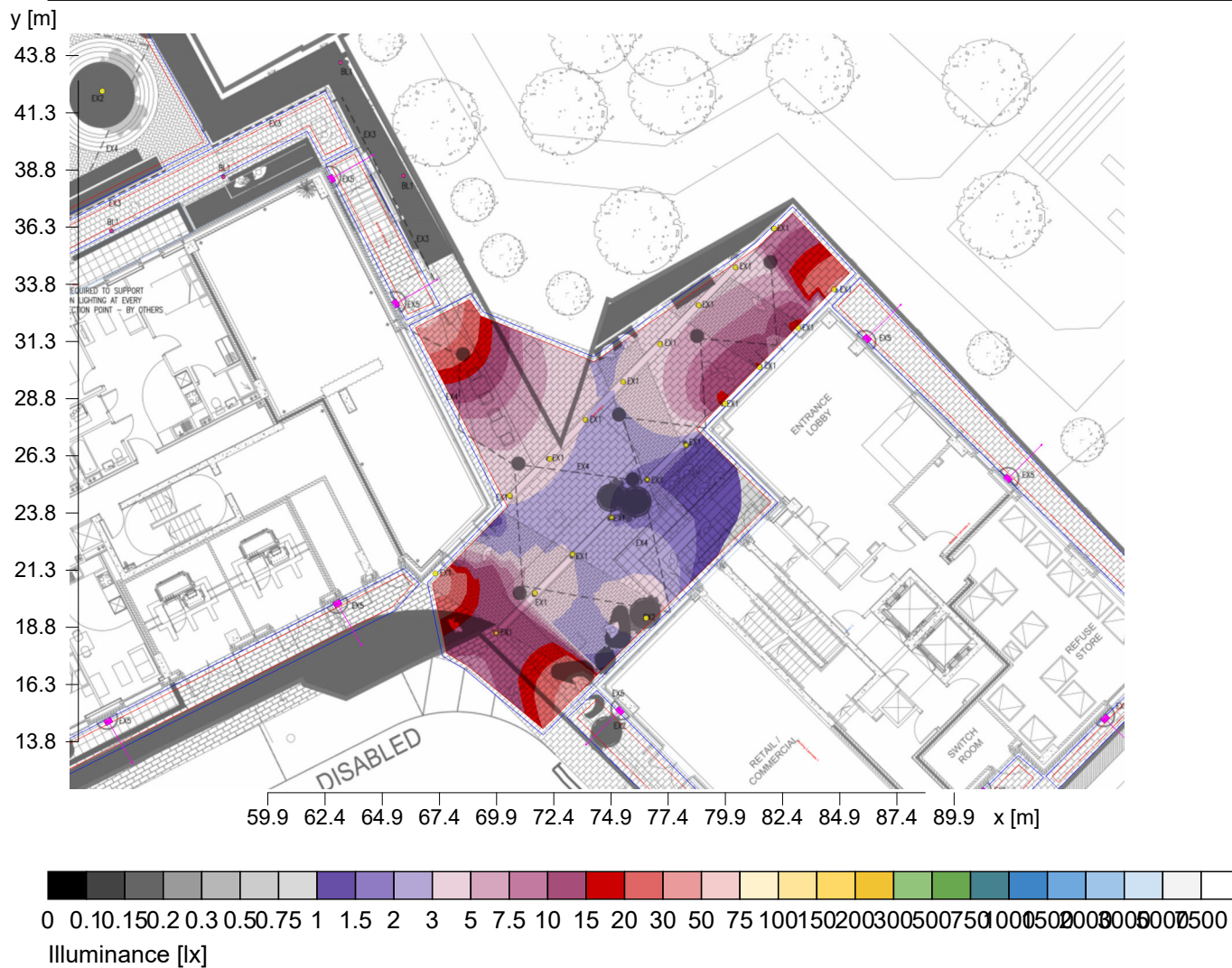
2.3 Calculation results, Exterior

2.3.10 Pseudo colours, Building 1 perimeter 6 (E)



The logo for Ansell Lighting features a large, stylized white letter 'A' on a dark red background. The 'A' has a unique design with a loop on the left and a sharp point on the right. To the right of the 'A', the word 'ansell' is written in a lowercase, white, sans-serif font. Below 'ansell', the word 'LIGHTING' is written in a smaller, uppercase, white, sans-serif font. The entire logo is set against a dark red background that has rounded corners on the left side.

2.3.11 Pseudo colours, Open area 2 (E)

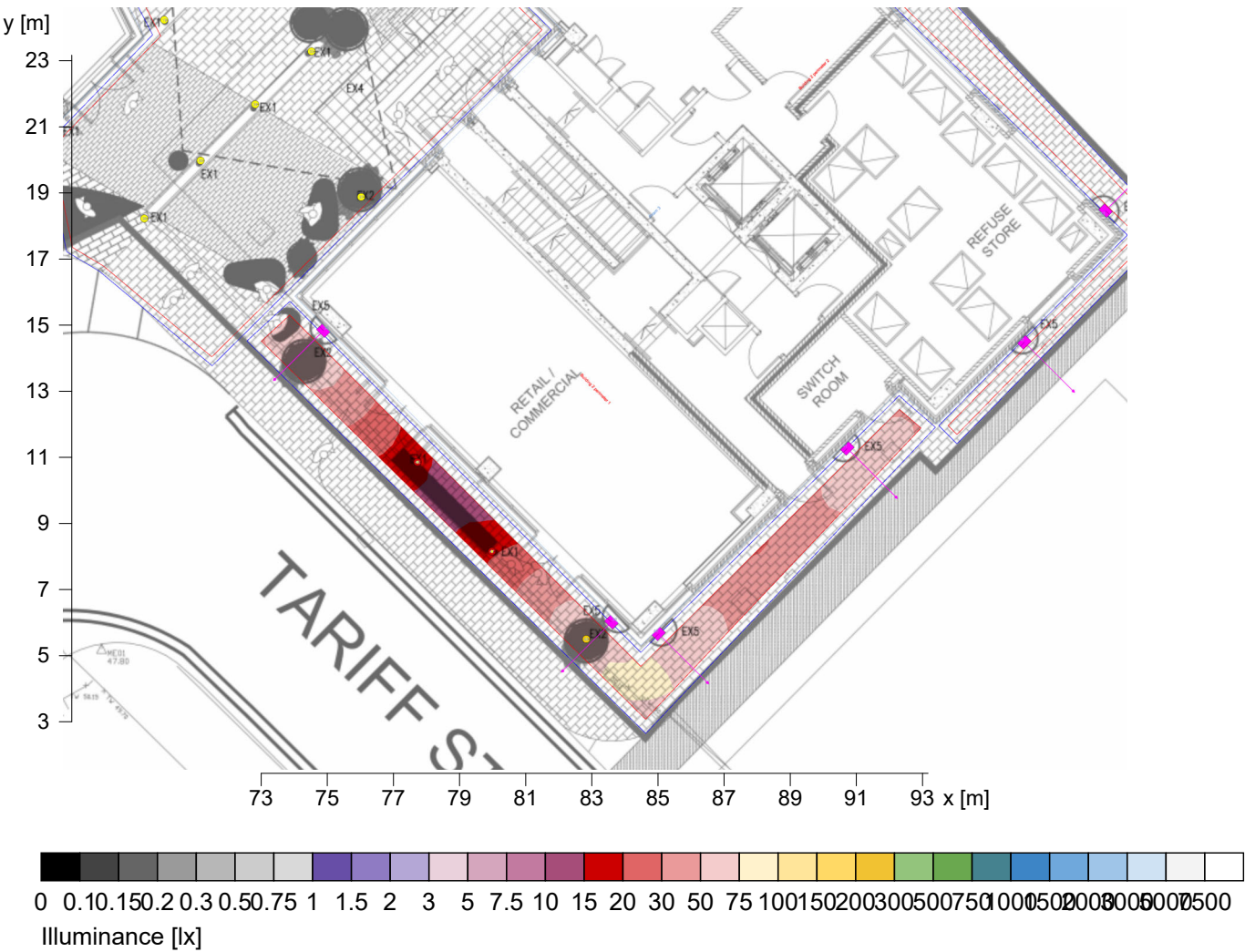

$$E_{\min}/\bar{E}_m : 1 : 9.78 (0.10)$$

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.12 Pseudo colours, Building 2 perimeter 1 (E)



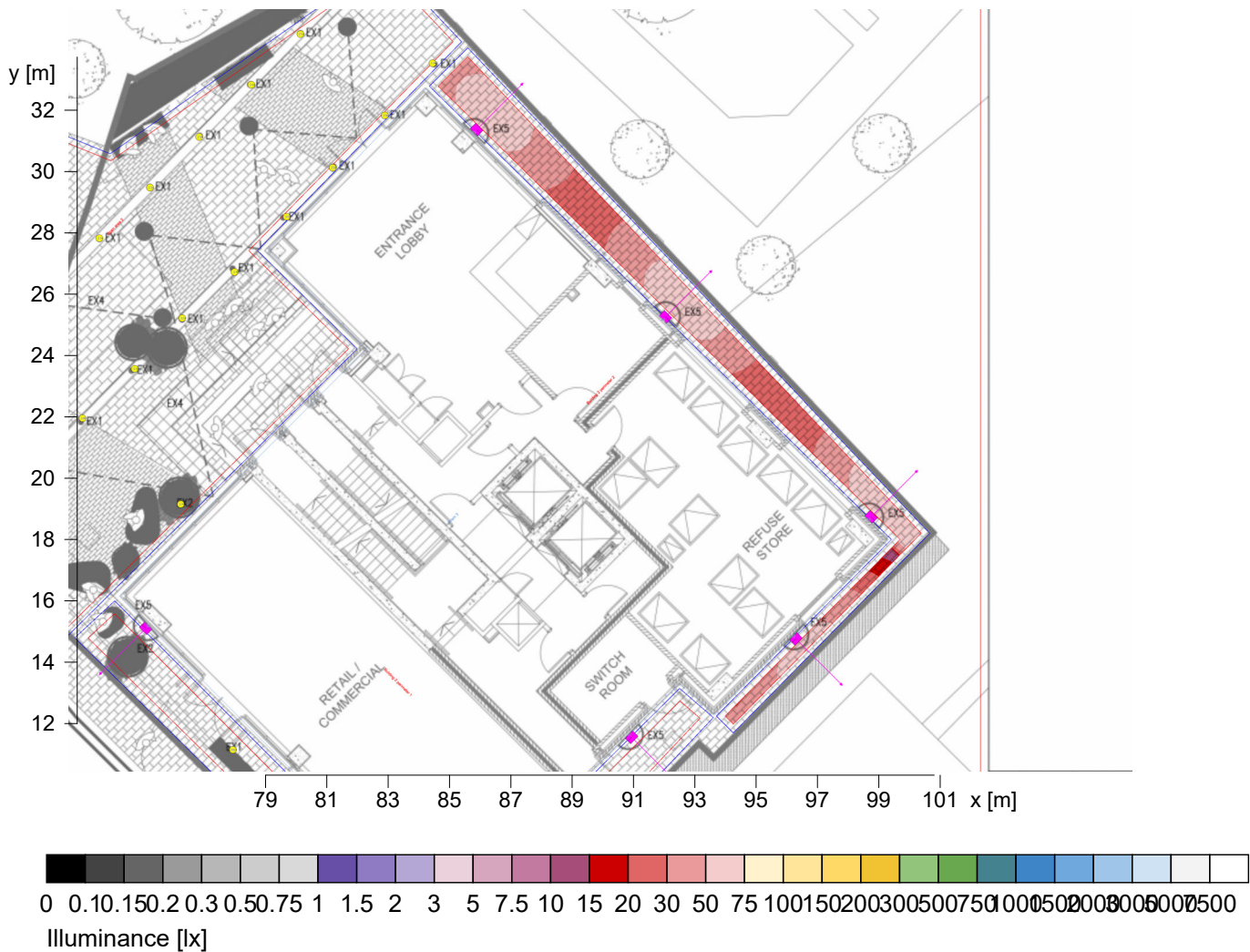
Height reference plane	: 0.00 m
Average illuminance	$\bar{E}_m$: 44.4 lx
Minimum illuminance	E_{min} : 12.9 lx
Maximum illuminance	E_{max} : 94 lx
Uniformity U_o	$E_{min}/\bar{E}_m$: 1 : 3.44 (0.29)

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.13 Pseudo colours, Building 2 perimeter 2 (E)



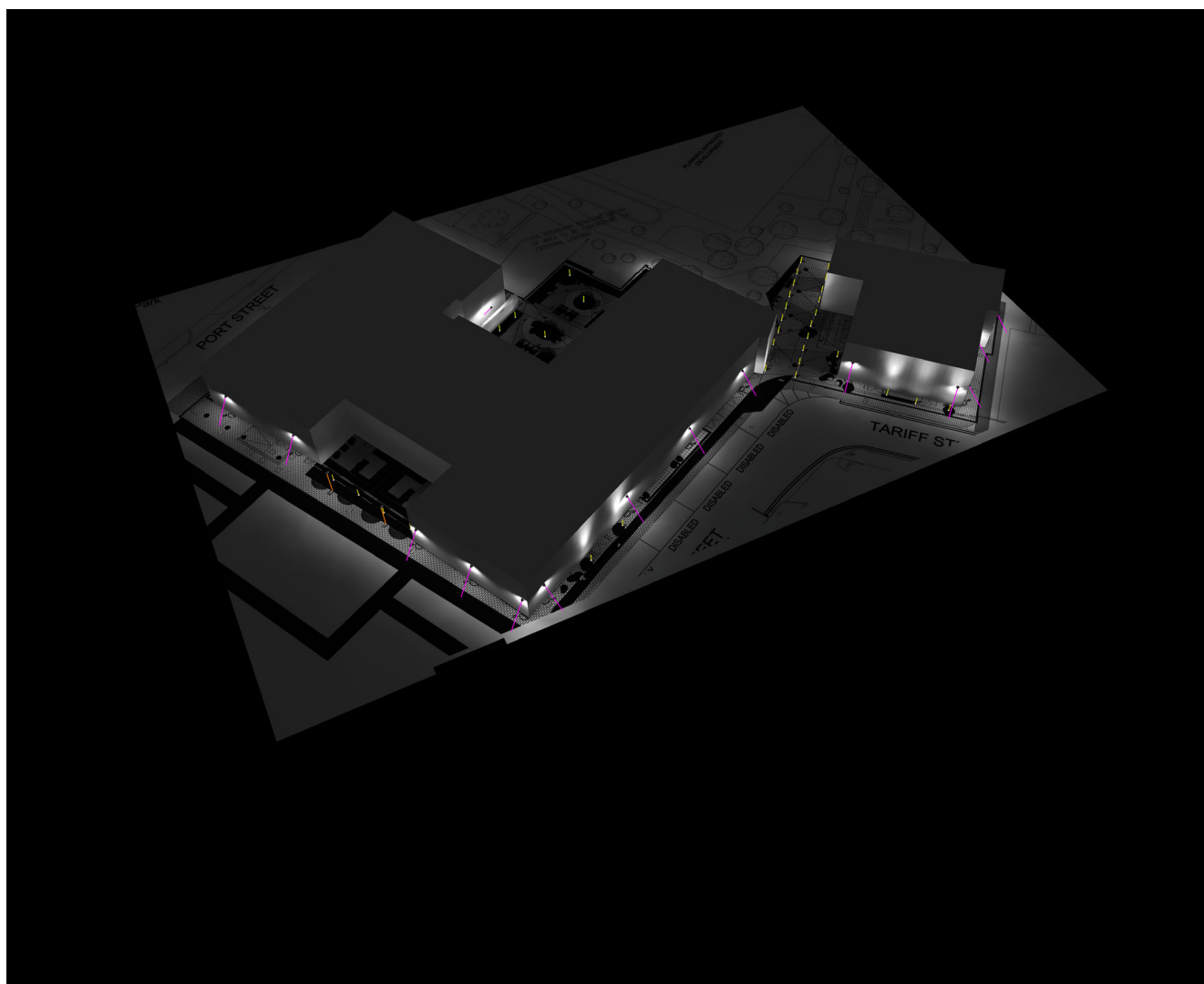
Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 42.6 lx
Minimum illuminance	E_{min}	: 13 lx
Maximum illuminance	E_{max}	: 64.4 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 3.27 (0.31)

Object : Tariff Street Externals
Installation : Proposed New Lighting
Project number : QUO-798560-FMYU9A
Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.14 3D luminance, View 1



Luminance in the scene

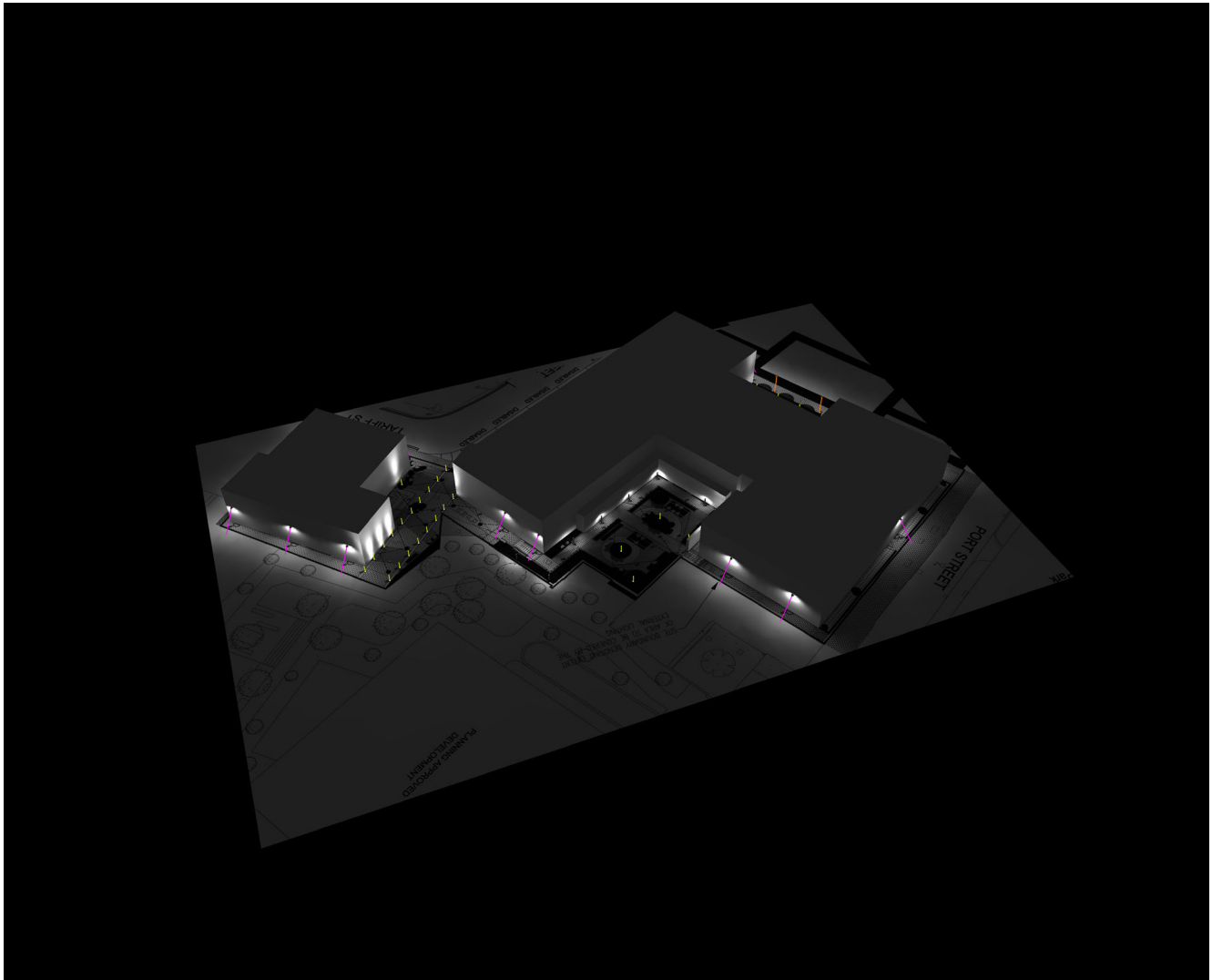
Minimum: : 0 cd/m²
Maximum: : 298 cd/m²

Object : Tariff Street Externals
Installation : Proposed New Lighting
Project number : QUO-798560-FMYU9A
Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.15 3D luminance, View 2



Luminance in the scene

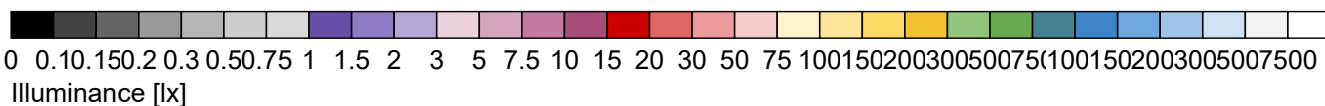
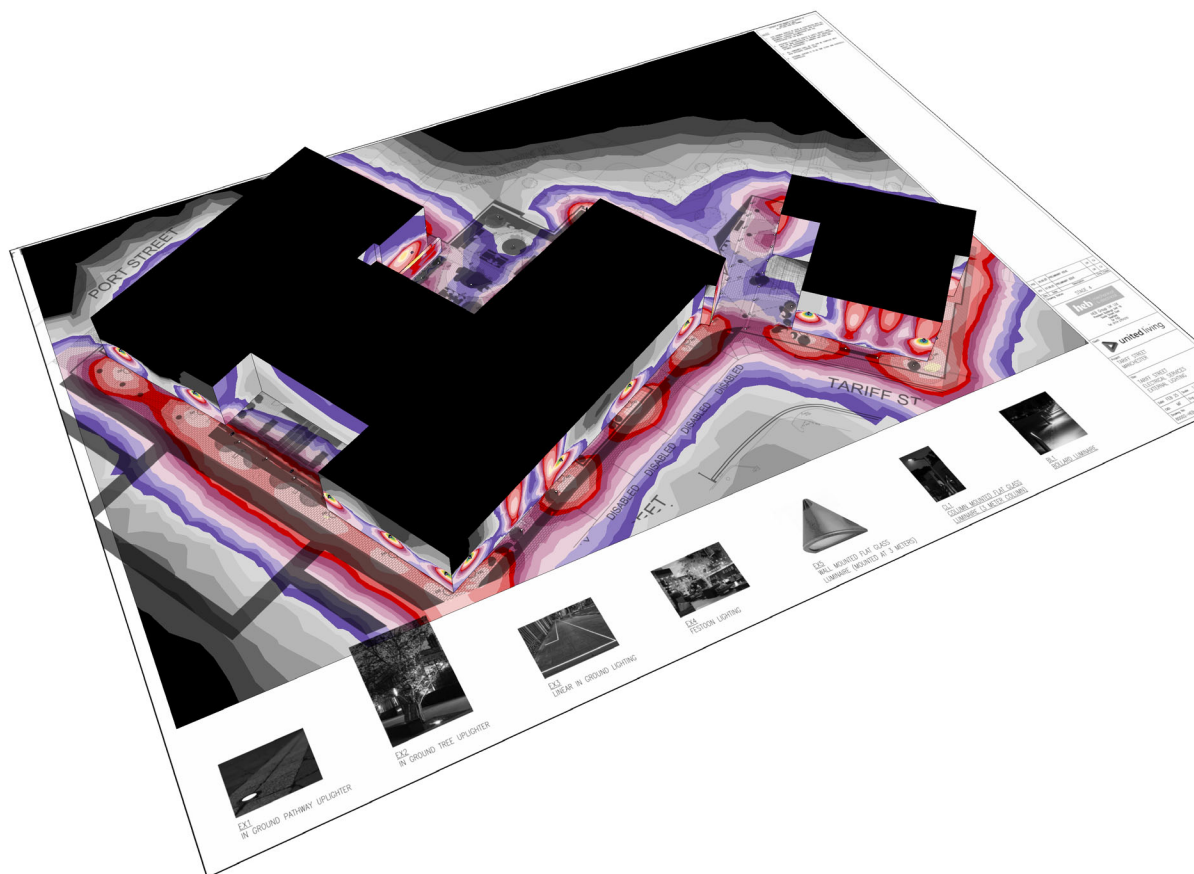
Minimum: : 0 cd/m²
Maximum: : 298 cd/m²

Object : Tariff Street Externals
 Installation : Proposed New Lighting
 Project number : QUO-798560-FMYU9A
 Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.16 3D pseudo colours, View 1 (E)



Object : Tariff Street Externals
Installation : Proposed New Lighting
Project number : QUO-798560-FMYU9A
Date : 1.12.2025



2.3 Calculation results, Exterior

2.3.17 3D pseudo colours, View 2 (E)

