Installation : Embassy Village

Project number : 23902 R5
Customer :
Processed by : Andy Tsui
Date : 23.07.2025

****
All calculations unless stated have been based upon an open plan area without any obstructions above the working plane.
With regards to CIBSE/ BSEN12464-1:2011 we have shown illuminance levels and ratios for your ultimate approval. UGR and luminance values are available for your approval if necessary. It may be necessary in some instances to check UGR values even if the luminance values are below the compliant threshold.
In the case of office lighting we have defaulted to 300lux average unless advised otherwise by specification. Emergency lighting has been designed in accordance with BS5266-1:2016 but is an indicative layout only - additional lighting may be required. All emergency lighting is to be checked and confirmed with a local building/fire control officer and ultimately approved by the owner of the building. Any emergency lighting calculations that have been completed have been based on 0.5 lux for open areas and 1 lux for escape routes (where details of escape routes have been given).
Please be aware of L2 requirements and check that conformity has been met where required. In addition, ensuring that fire tents are used where needed to conform to current building regulations is vital; please contact our sales office for a quotation.
All luminaires used are subject to approval/certification of client/end user.
Common design parameters (shown below) have been used in order to carry out all calculations. If any part of this scheme or luminaire choice within this scheme is deemed not suitable for the application, please contact us for re-calculations to be carried out prior to an order being placed. All calculations have been based upon rated lumen outputs and may vary with ambient on site temperatures.
Please ensure that this lighting scheme complies with all requirements, and if further details/calculations are required please contact us via the below details.
Final quantities are to be confirmed prior to an order/installation and we will not be held responsible for any errors or omissions.
****
Nominal Values Used:
Maintenance Factor - 0.8
Reflectance Values (Office Type Interior): 70\50\20
Reflectance Values (Warehouse Type Interior): 50\30\20

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.

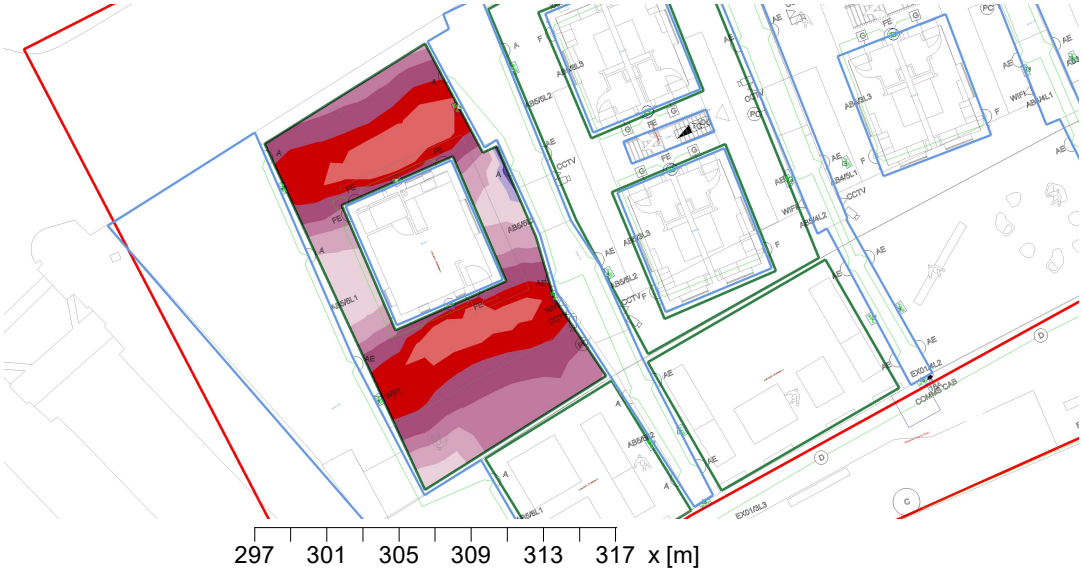
This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

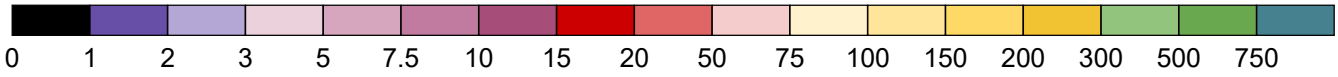
Andy Tsui - Senior Specification and Projects Engineer
andyt@tamlite.co.uk

1 Exterior 1

1.1 Summary, Exterior 1

1.1.1 Result overview, Arch 1 - Walkway





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	165200 lm
Total power	1232 W
Total power per area (7884.75 m²)	0.16 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	13 lx
Minimum illuminance	E_{min}	3.3 lx
Maximum illuminance	E_{max}	27.2 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.93 (0.25)
Diversity U_d	E_{min}/E_{max}	1:8.25 (0.12)

Type No.\Make

		Tamlite Lighting		
1	28E x	Order No.	: !CWP80WWBM3	-- Emergency Lighting --
		Luminaire name	: CITY WP	
		Equipment	: 1 x LED 8 W / 800 lm	
		Emergency	: 250 lm (31.3 %)	

The ULR value has been calculated without obstruction by other objects.

1 Exterior 1

1.1 Summary, Exterior 1

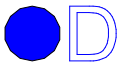
1.1.1 Result overview, Arch 1 - Walkway

2 30E x


Order No. : !CWLA90T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 7 W / 900 lm
Emergency : 300 lm (33.3 %)

3 24E x


Order No. : !CWLA160T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 11 W / 1600 lm
Emergency : 300 lm (18.8 %)

4 6 x


Order No. : CPH100T5WWB
Luminaire name : CITY PATH
Equipment : 1 x LED 10 W / 1000 lm

5 4 x

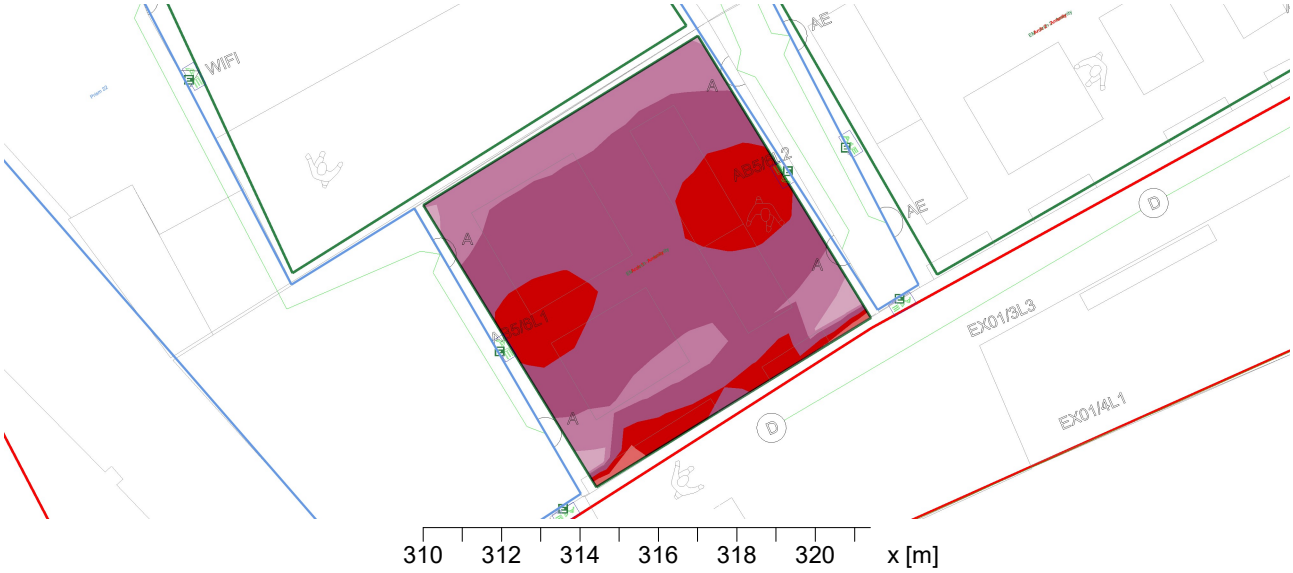
Order No. : FRN1500T4NWG
Luminaire name : FRONTIER
Equipment : 1 x LED 96 W / 15000 lm

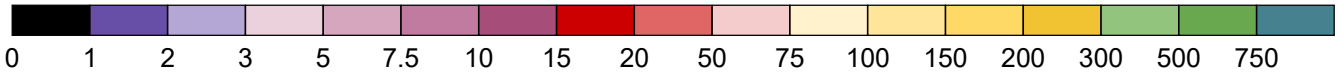
8 3E x


Order No. : !CWLA380T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 30 W / 3800 lm
Emergency : 300 lm (7.9 %)

1.1 Summary, Exterior 1

1.1.2 Result overview, Arch 1 - Amenity





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	165200 lm
Total power	1232 W
Total power per area (7884.75 m²)	0.16 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	12.4 lx
Minimum illuminance	E_{min}	6.4 lx
Maximum illuminance	E_{max}	19.8 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.94 (0.51)
Diversity U_d	E_{min}/E_{max}	1:3.11 (0.32)

Type No.\Make

		Tamlite Lighting		
1	28E x	Order No.	: !CWP80WWBM3	-- Emergency Lighting --
		Luminaire name	: CITY WP	
		Equipment	: 1 x LED 8 W / 800 lm	
		Emergency	: 250 lm (31.3 %)	

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

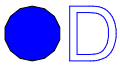
1.1.2 Result overview, Arch 1 - Amenity

2 30E x 

Order No. : !CWLA90T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 7 W / 900 lm
Emergency : 300 lm (33.3 %)

3 24E x 

Order No. : !CWLA160T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 11 W / 1600 lm
Emergency : 300 lm (18.8 %)

4 6 x 

Order No. : CPH100T5WWB
Luminaire name : CITY PATH
Equipment : 1 x LED 10 W / 1000 lm

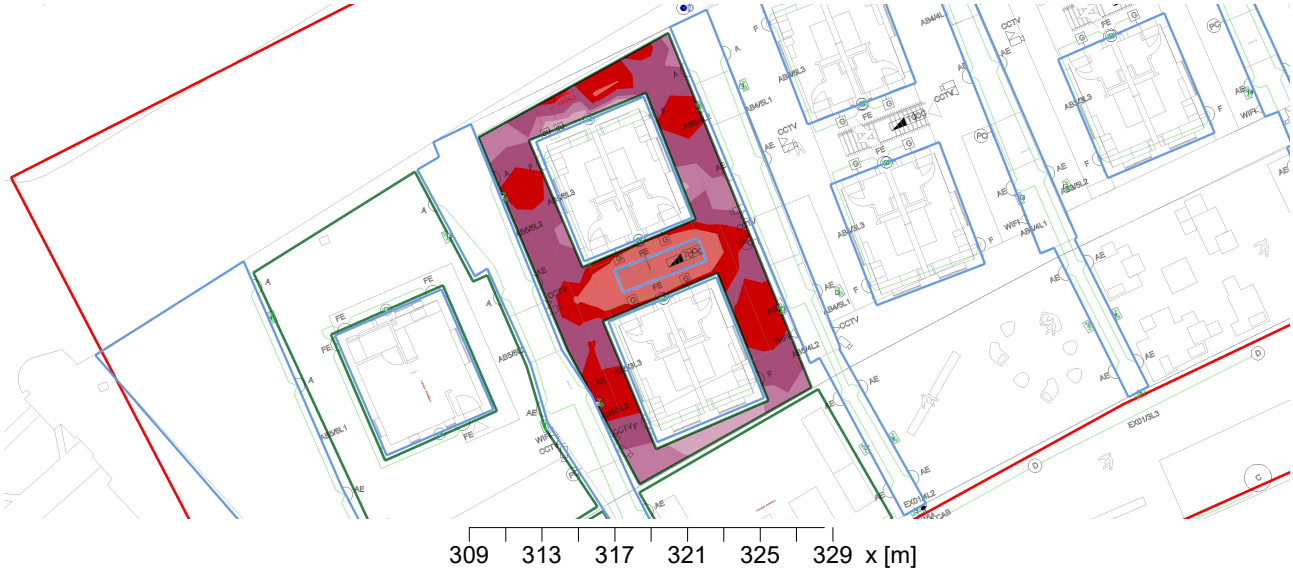
5 4 x 
Order No. : FRN1500T4NWG
Luminaire name : FRONTIER
Equipment : 1 x LED 96 W / 15000 lm

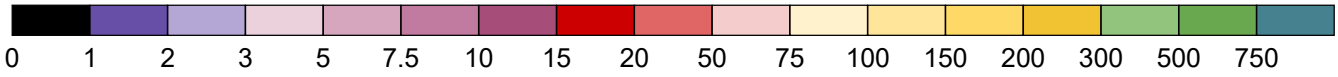
8 3E x 

Order No. : !CWLA380T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 30 W / 3800 lm
Emergency : 300 lm (7.9 %)

1.1 Summary, Exterior 1

1.1.3 Result overview, Arch 2 - Walkway





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	165200 lm
Total power	1232 W
Total power per area (7884.75 m²)	0.16 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	15.6 lx
Minimum illuminance	E_{min}	5.6 lx
Maximum illuminance	E_{max}	36.3 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.81 (0.36)
Diversity U_d	E_{min}/E_{max}	1:6.54 (0.15)

Type No.\Make

		Tamlite Lighting		
1	28E x	Order No.	: !CWP80WWBM3	-- Emergency Lighting --
		Luminaire name	: CITY WP	
		Equipment	: 1 x LED 8 W / 800 lm	
		Emergency	: 250 lm (31.3 %)	

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

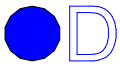
1.1.3 Result overview, Arch 2 - Walkway

2 30E x


Order No. : !CWLA90T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 7 W / 900 lm
Emergency : 300 lm (33.3 %)

3 24E x


Order No. : !CWLA160T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 11 W / 1600 lm
Emergency : 300 lm (18.8 %)

4 6 x


Order No. : CPH100T5WWB
Luminaire name : CITY PATH
Equipment : 1 x LED 10 W / 1000 lm

5 4 x

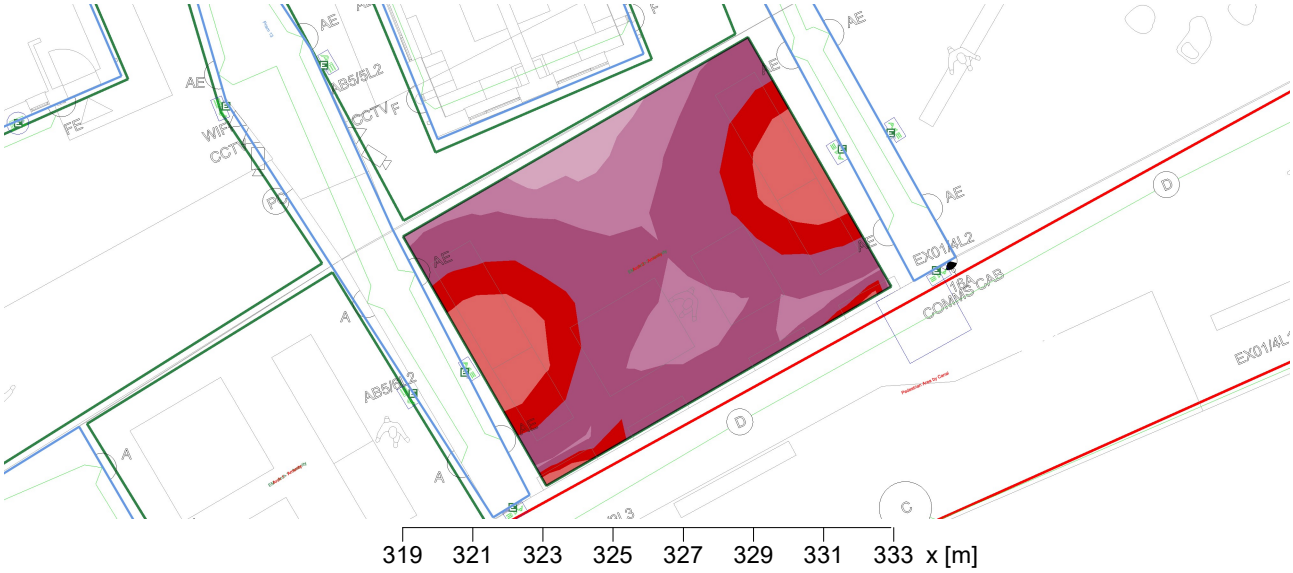
Order No. : FRN1500T4NWG
Luminaire name : FRONTIER
Equipment : 1 x LED 96 W / 15000 lm

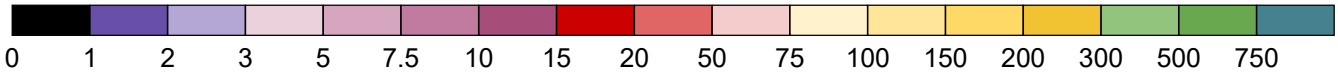
8 3E x


Order No. : !CWLA380T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 30 W / 3800 lm
Emergency : 300 lm (7.9 %)

1.1 Summary, Exterior 1

1.1.4 Result overview, Arch 2 - Amenity





General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	165200 lm
Total power	1232 W
Total power per area (7884.75 m²)	0.16 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	13.3 lx
Minimum illuminance	E_{min}	6.8 lx
Maximum illuminance	E_{max}	27.3 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.96 (0.51)
Diversity U_d	E_{min}/E_{max}	1:4.03 (0.25)

Type No.\Make

		Tamlite Lighting		
1	28E x	Order No.	: !CWP80WWBM3	-- Emergency Lighting --
		Luminaire name	: CITY WP	
		Equipment	: 1 x LED 8 W / 800 lm	
		Emergency	: 250 lm (31.3 %)	

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

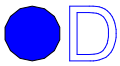
1.1.4 Result overview, Arch 2 - Amenity

2 30E x


Order No. : !CWLA90T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 7 W / 900 lm
Emergency : 300 lm (33.3 %)

3 24E x


Order No. : !CWLA160T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 11 W / 1600 lm
Emergency : 300 lm (18.8 %)

4 6 x


Order No. : CPH100T5WWB
Luminaire name : CITY PATH
Equipment : 1 x LED 10 W / 1000 lm

5 4 x

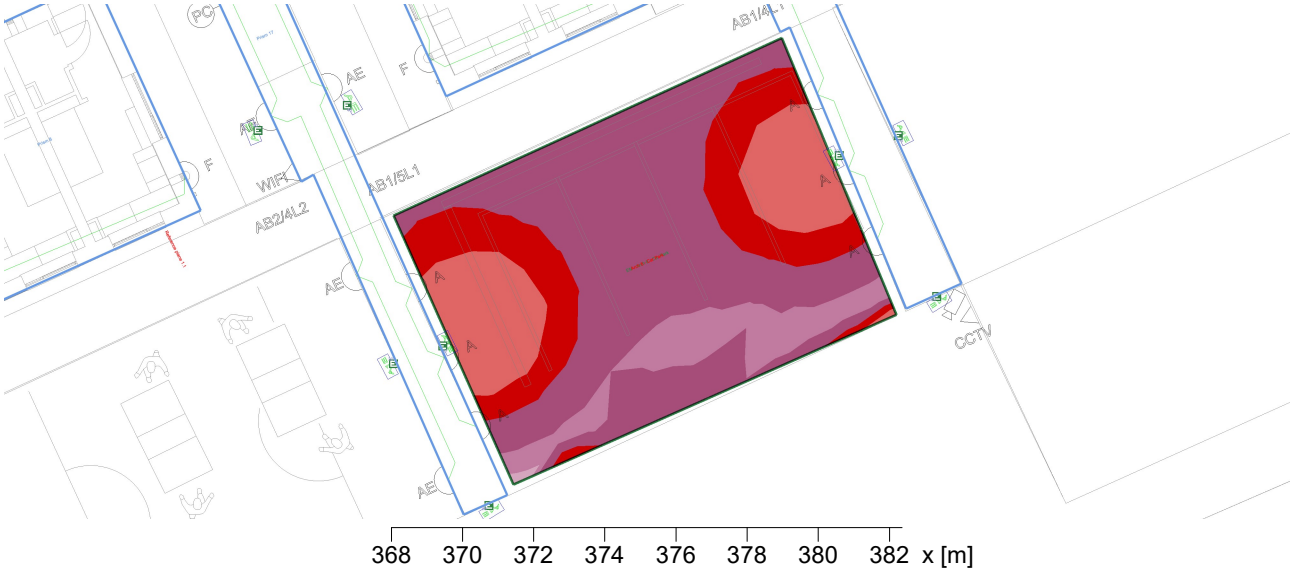
Order No. : FRN1500T4NWG
Luminaire name : FRONTIER
Equipment : 1 x LED 96 W / 15000 lm

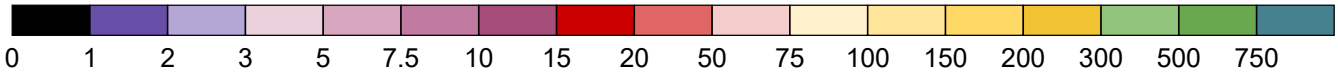
8 3E x


Order No. : !CWLA380T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 30 W / 3800 lm
Emergency : 300 lm (7.9 %)

1.1 Summary, Exterior 1

1.1.5 Result overview, Arch 6 - Car Park





General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	165200 lm
Total power	1232 W
Total power per area (7884.75 m²)	0.16 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	15 lx
Minimum illuminance	E_{min}	7.7 lx
Maximum illuminance	E_{max}	29.8 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.94 (0.52)
Diversity U_d	E_{min}/E_{max}	1:3.86 (0.26)

Type No.\Make

		Tamlite Lighting		
1	28E x	Order No.	: !CWP80WWBM3	-- Emergency Lighting --
		Luminaire name	: CITY WP	
		Equipment	: 1 x LED 8 W / 800 lm	
		Emergency	: 250 lm (31.3 %)	

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

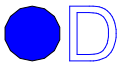
1.1.5 Result overview, Arch 6 - Car Park

2 30E x


Order No. : !CWLA90T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 7 W / 900 lm
Emergency : 300 lm (33.3 %)

3 24E x


Order No. : !CWLA160T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 11 W / 1600 lm
Emergency : 300 lm (18.8 %)

4 6 x


Order No. : CPH100T5WWB
Luminaire name : CITY PATH
Equipment : 1 x LED 10 W / 1000 lm

5 4 x

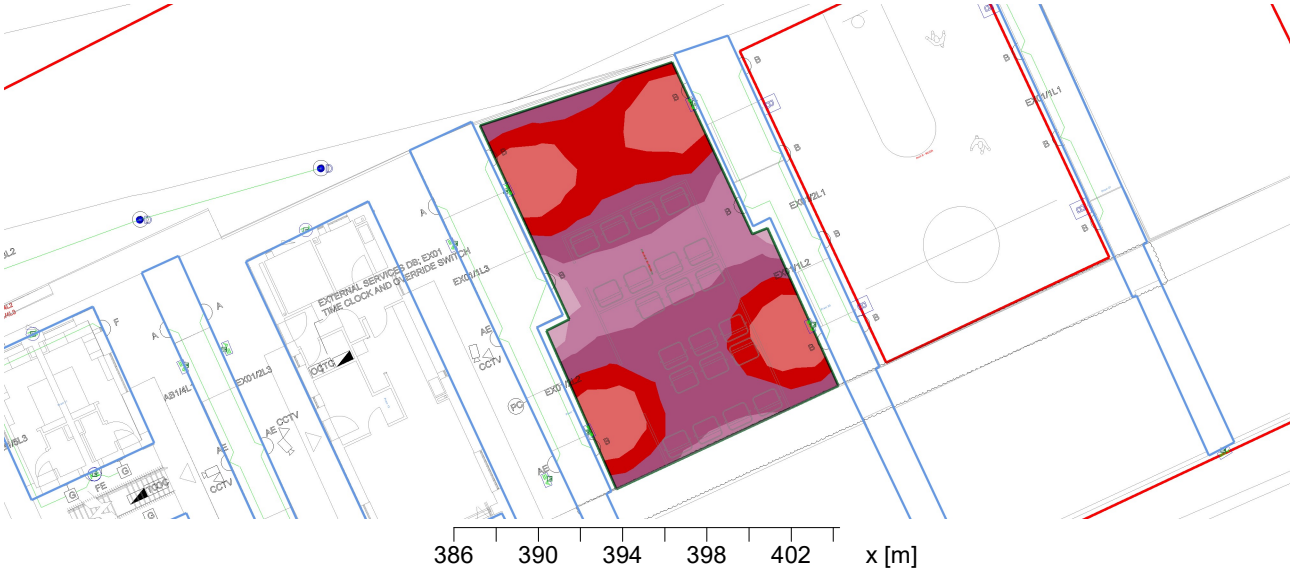
Order No. : FRN1500T4NWG
Luminaire name : FRONTIER
Equipment : 1 x LED 96 W / 15000 lm

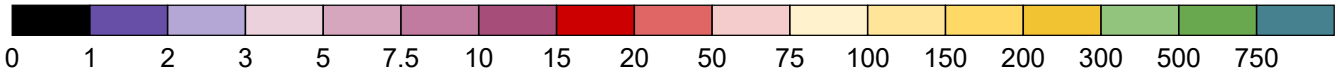
8 3E x


Order No. : !CWLA380T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 30 W / 3800 lm
Emergency : 300 lm (7.9 %)

1.1 Summary, Exterior 1

1.1.6 Result overview, Arch 8 - Bin Store





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	165200 lm
Total power	1232 W
Total power per area (7884.75 m²)	0.16 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	15.1 lx
Minimum illuminance	E_{min}	7.7 lx
Maximum illuminance	E_{max}	28.1 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.96 (0.51)
Diversity U_d	E_{min}/E_{max}	1:3.64 (0.27)

Type No.\Make

		Tamlite Lighting		
1	28E x	Order No.	: !CWP80WWBM3	-- Emergency Lighting --
		Luminaire name	: CITY WP	
		Equipment	: 1 x LED 8 W / 800 lm	
		Emergency	: 250 lm (31.3 %)	

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

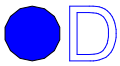
1.1.6 Result overview, Arch 8 - Bin Store

2 30E x


Order No. : !CWLA90T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 7 W / 900 lm
Emergency : 300 lm (33.3 %)

3 24E x


Order No. : !CWLA160T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 11 W / 1600 lm
Emergency : 300 lm (18.8 %)

4 6 x


Order No. : CPH100T5WWB
Luminaire name : CITY PATH
Equipment : 1 x LED 10 W / 1000 lm

5 4 x

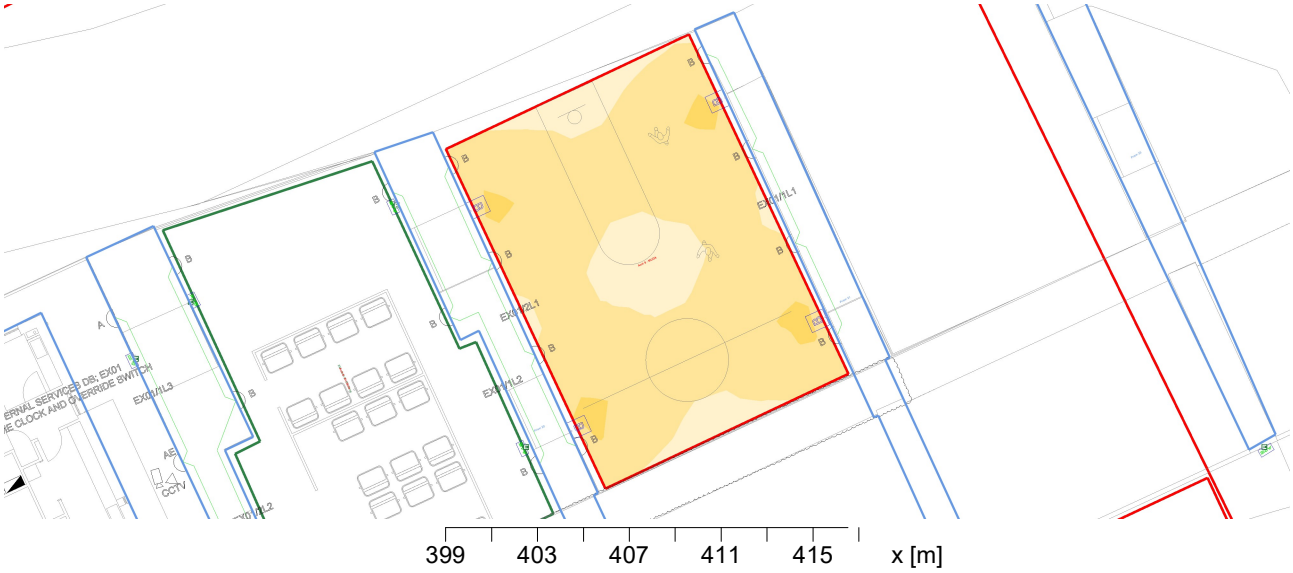
Order No. : FRN1500T4NWG
Luminaire name : FRONTIER
Equipment : 1 x LED 96 W / 15000 lm

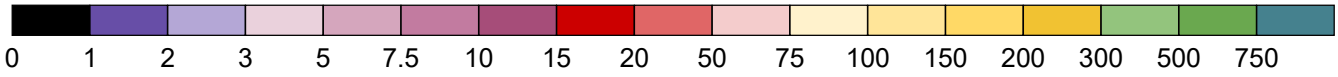
8 3E x


Order No. : !CWLA380T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 30 W / 3800 lm
Emergency : 300 lm (7.9 %)

1.1 Summary, Exterior 1

1.1.7 Result overview, Arch 9 - MUGA





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	165200 lm
Total power	1232 W
Total power per area (7884.75 m²)	0.16 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	116 lx
Minimum illuminance	E_{min}	88 lx
Maximum illuminance	E_{max}	158 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.33 (0.75)
Diversity U_d	E_{min}/E_{max}	1:1.8 (0.56)

Type No.\Make

		Tamlite Lighting		
1	28E x	Order No.	: !CWP80WWBM3	-- Emergency Lighting --
		Luminaire name	: CITY WP	
		Equipment	: 1 x LED 8 W / 800 lm	
		Emergency	: 250 lm (31.3 %)	

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

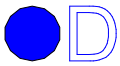
1.1.7 Result overview, Arch 9 - MUGA

2 30E x


Order No. : !CWLA90T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 7 W / 900 lm
Emergency : 300 lm (33.3 %)

3 24E x


Order No. : !CWLA160T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 11 W / 1600 lm
Emergency : 300 lm (18.8 %)

4 6 x


Order No. : CPH100T5WWB
Luminaire name : CITY PATH
Equipment : 1 x LED 10 W / 1000 lm

5 4 x

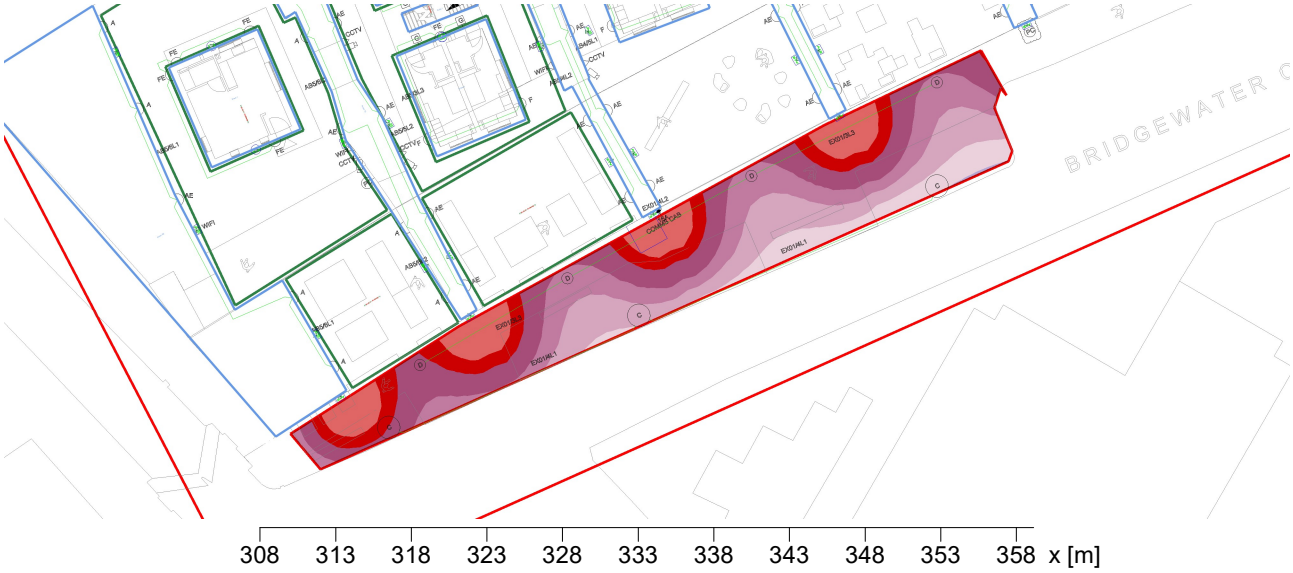
Order No. : FRN1500T4NWG
Luminaire name : FRONTIER
Equipment : 1 x LED 96 W / 15000 lm

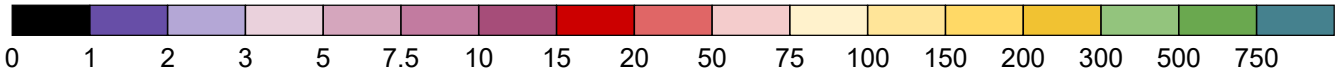
8 3E x


Order No. : !CWLA380T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 30 W / 3800 lm
Emergency : 300 lm (7.9 %)

1.1 Summary, Exterior 1

1.1.8 Result overview, Pedestrian Area by Canal





General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	165200 lm
Total power	1232 W
Total power per area (7884.75 m²)	0.16 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	11.8 lx
Minimum illuminance	E_{min}	3.3 lx
Maximum illuminance	E_{max}	30.3 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.52 (0.28)
Diversity U_d	E_{min}/E_{max}	1:9.05 (0.11)

Type No.\Make

		Tamlite Lighting		
1	28E x	Order No.	: !CWP80WWBM3	-- Emergency Lighting --
		Luminaire name	: CITY WP	
		Equipment	: 1 x LED 8 W / 800 lm	
		Emergency	: 250 lm (31.3 %)	

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

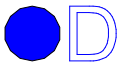
1.1.8 Result overview, Pedestrian Area by Canal

2 30E x


Order No. : !CWLA90T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 7 W / 900 lm
Emergency : 300 lm (33.3 %)

3 24E x


Order No. : !CWLA160T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 11 W / 1600 lm
Emergency : 300 lm (18.8 %)

4 6 x


Order No. : CPH100T5WWB
Luminaire name : CITY PATH
Equipment : 1 x LED 10 W / 1000 lm

5 4 x

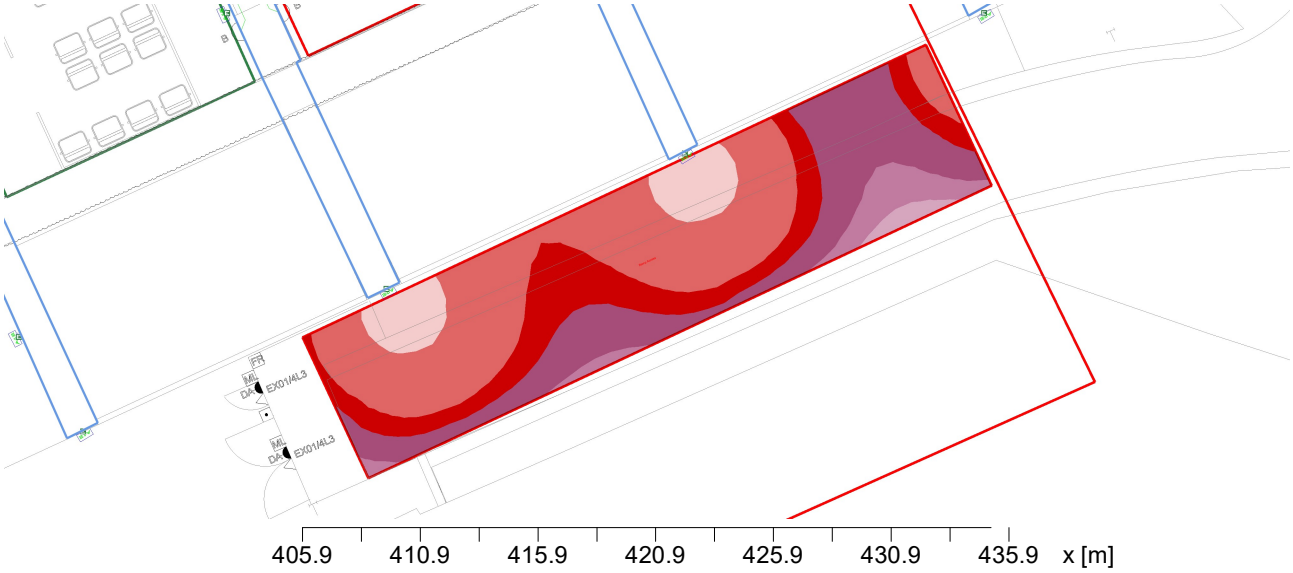
Order No. : FRN1500T4NWG
Luminaire name : FRONTIER
Equipment : 1 x LED 96 W / 15000 lm

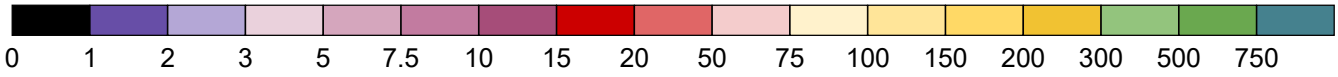
8 3E x


Order No. : !CWLA380T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 30 W / 3800 lm
Emergency : 300 lm (7.9 %)

1.1 Summary, Exterior 1

1.1.9 Result overview, Ramp Access





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	165200 lm
Total power	1232 W
Total power per area (7884.75 m²)	0.16 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	24.2 lx
Minimum illuminance	E_{min}	6.8 lx
Maximum illuminance	E_{max}	69.7 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.58 (0.28)
Diversity U_d	E_{min}/E_{max}	1:10.3 (0.1)

Type No.\Make

		Tamlite Lighting		
1	28E x	Order No.	: !CWP80WWBM3	-- Emergency Lighting --
		Luminaire name	: CITY WP	
		Equipment	: 1 x LED 8 W / 800 lm	
		Emergency	: 250 lm (31.3 %)	

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

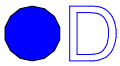
1.1.9 Result overview, Ramp Access

2 30E x


Order No. : !CWLA90T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 7 W / 900 lm
Emergency : 300 lm (33.3 %)

3 24E x


Order No. : !CWLA160T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 11 W / 1600 lm
Emergency : 300 lm (18.8 %)

4 6 x


Order No. : CPH100T5WWB
Luminaire name : CITY PATH
Equipment : 1 x LED 10 W / 1000 lm

5 4 x

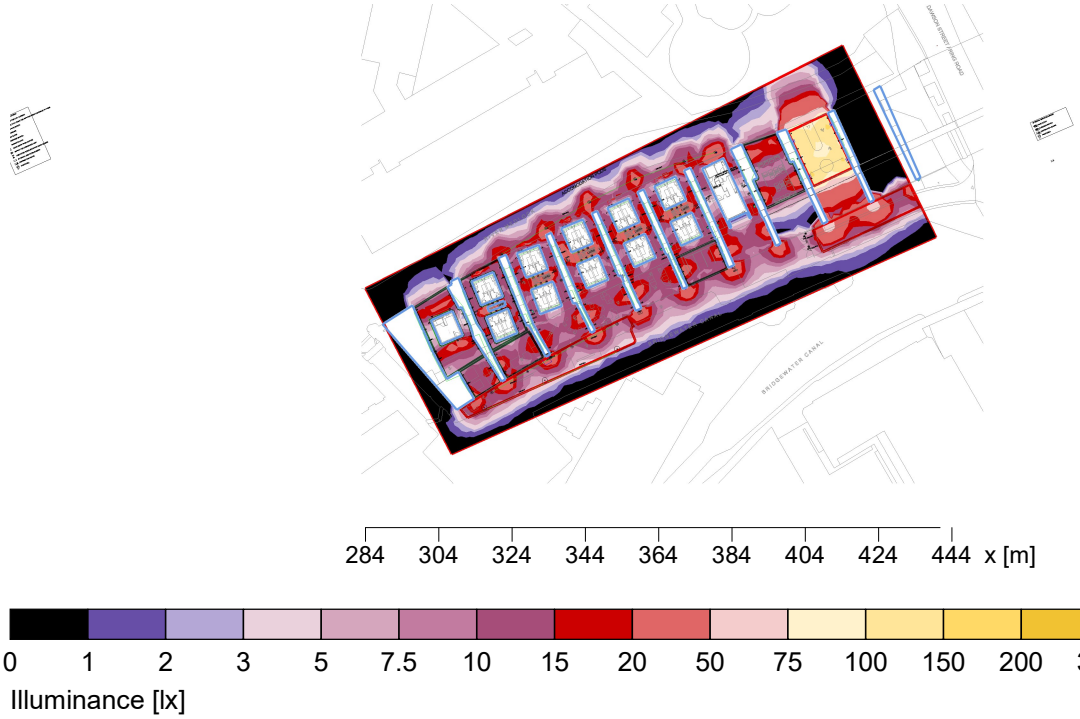
Order No. : FRN1500T4NWG
Luminaire name : FRONTIER
Equipment : 1 x LED 96 W / 15000 lm

8 3E x


Order No. : !CWLA380T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 30 W / 3800 lm
Emergency : 300 lm (7.9 %)

1.1 Summary, Exterior 1

1.1.10 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	161400.00 lm
Luminaire luminous flux	161399.34 lm
Total power	1202.0 W
Total power per area (7884.75 m²)	0.15 W/m² (1.24 W/m²/100lx)
Upward light ratio (R_{UL})	0 %

Evaluation area 1	**Reference plane 1.1**
	Horizontal
$\bar{E}_m$	12.3 lx
E_{min}	0 lx
$E_{min}/\bar{E}_m$ (U_o)	---
E_{min}/E_{max} (U_d)	---
Position	0.00 m

Type No.\Make

		Tamlite Lighting		
1	28E x	Order No.	: !CWP80WWBM3	-- Emergency Lighting --
		Luminaire name	: CITY WP	
		Equipment	: 1 x LED 8 W / 800 lm	
		Emergency	: 250 lm (31.3 %)	

1.1 Summary, Exterior 1

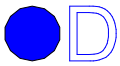
1.1.10 Result overview, Evaluation area 1

2 30E x


Order No. : !CWLA90T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 7 W / 900 lm
Emergency : 300 lm (33.3 %)

3 24E x


Order No. : !CWLA160T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 11 W / 1600 lm
Emergency : 300 lm (18.8 %)

4 6 x


Order No. : CPH100T5WWB
Luminaire name : CITY PATH
Equipment : 1 x LED 10 W / 1000 lm

5 4 x

Order No. : FRN1500T4NWG
Luminaire name : FRONTIER
Equipment : 1 x LED 96 W / 15000 lm

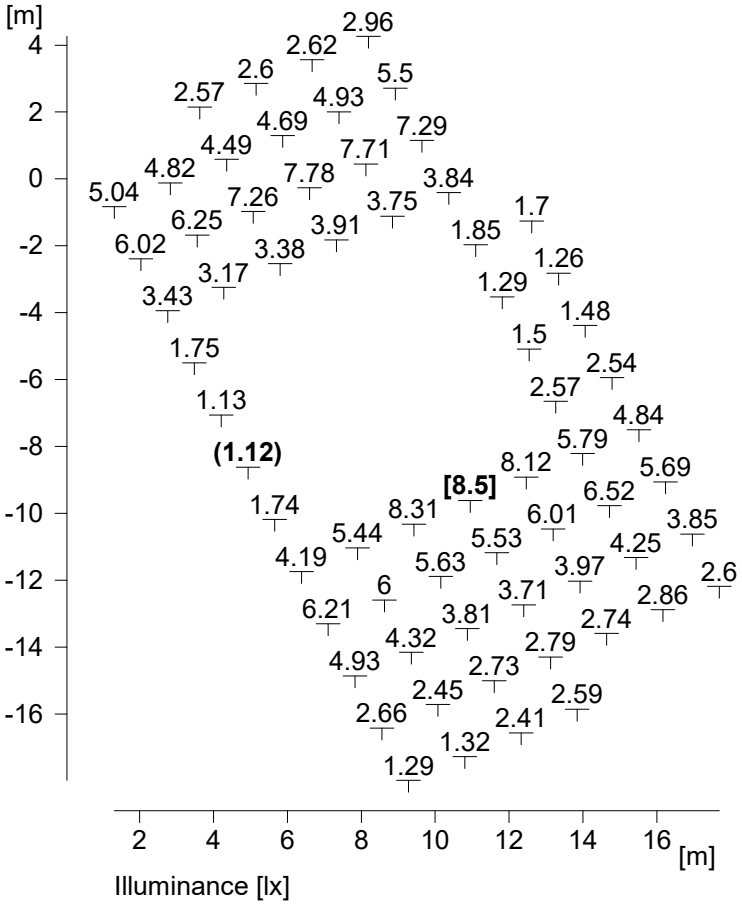
8 2E x

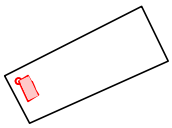

Order No. : !CWLA380T4WWBM3 -- Emergency Lighting --
Luminaire name : CITY WL T4
Equipment : 1 x LED 30 W / 3800 lm
Emergency : 300 lm (7.9 %)

1 Exterior 1

1.2 Calculation results, Exterior 1

1.2.1 Table, EM - Arch 1 - Walkway Top surface (E)





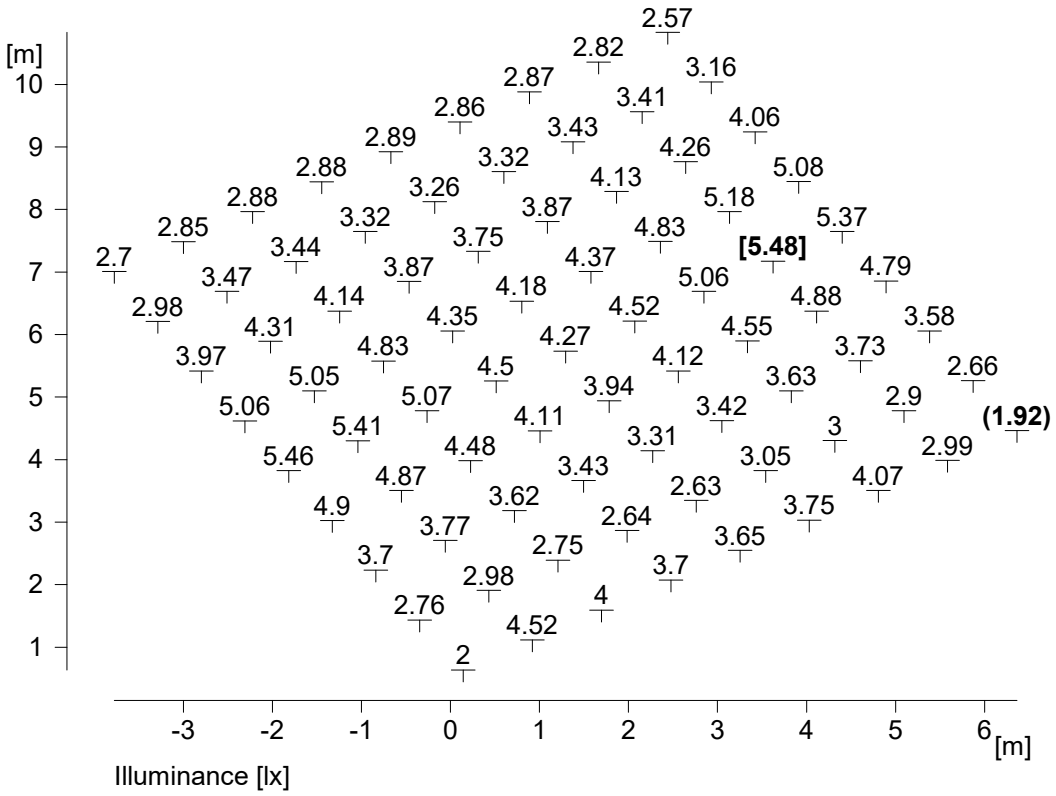
Required minimum illuminance : 0.5 lx (lower values are highlighted in red)

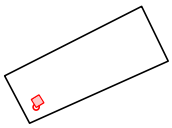
Minimum illuminance	Emin	: 1.1 lx (* 0.2 lx)
Maximum illuminance	Emax	: 8.5 lx (* 10 lx)
Diversity	Emin/Emax	: 1 : 7.60 (0.13) (Threshold value 1:40) (* 1:54.00)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

*: Values on fine measuing grid (0.1m - 0.5m)!

1.2 Calculation results, Exterior 1

1.2.2 Table, EM - Arch 1 - Amenity (E)





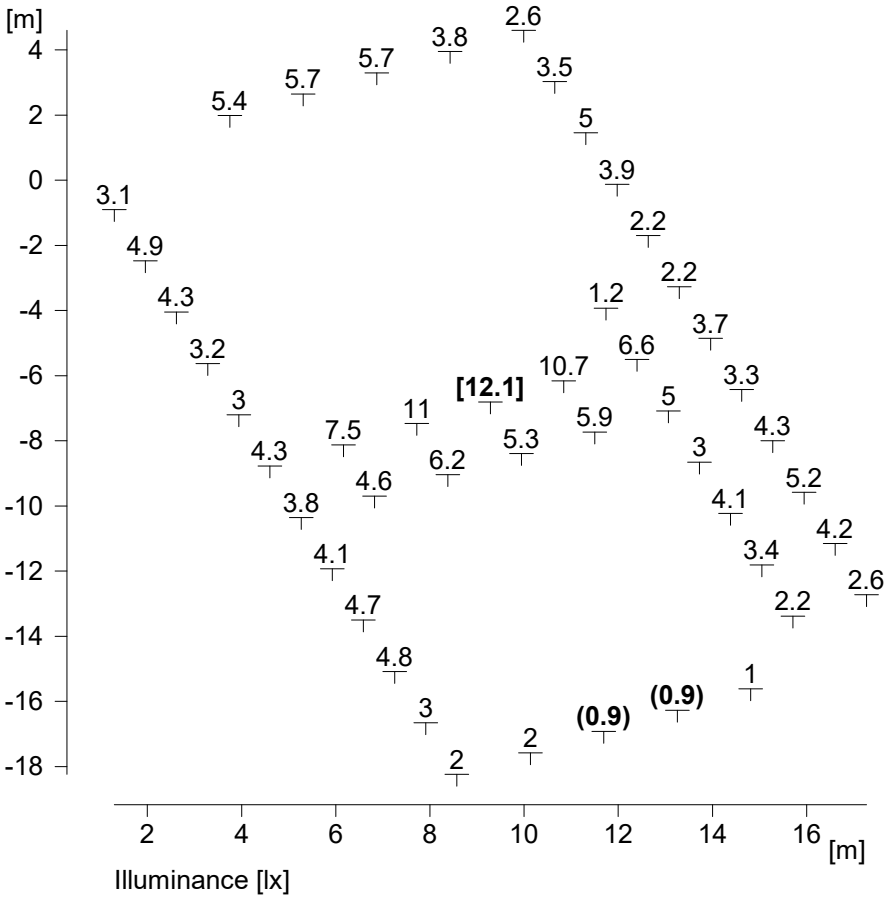
Required minimum illuminance : 0.5 lx (lower values are highlighted in red)

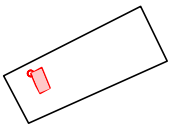
Minimum illuminance	Emin	: 1.9 lx (* 1.6 lx)
Maximum illuminance	Emax	: 5.5 lx (* 5.8 lx)
Diversity	Emin/Emax	: 1 : 2.85 (0.35) (Threshold value 1:40) (* 1:3.57)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

*: Values on fine measuing grid (0.1m - 0.5m)!

1.2 Calculation results, Exterior 1

1.2.3 Table, EM - Arch 2 - Walkway Top surface (E)





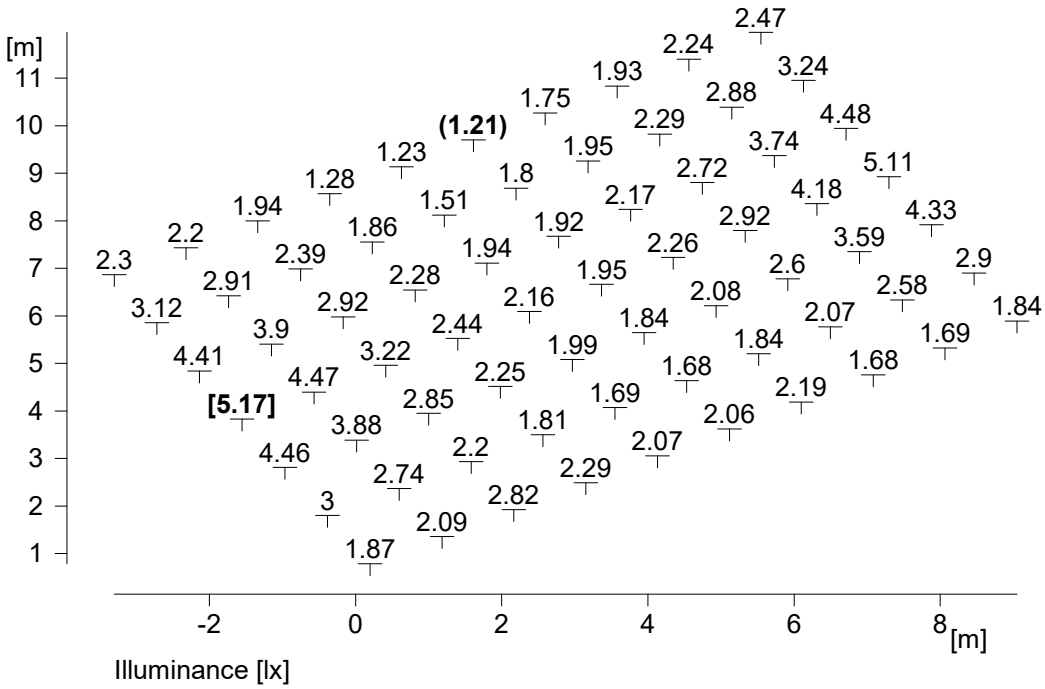
Required minimum illuminance : 0.5 lx (lower values are highlighted in red)

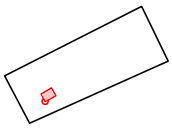
Minimum illuminance	Emin	: 0.86 lx (* 0.5 lx)
Maximum illuminance	Emax	: 12 lx (* 14 lx)
Diversity	Emin/Emax	: 1 : 14.00 (0.07) (Threshold value 1:40) (* 1:30.90)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

*: Values on fine measuing grid (0.1m - 0.5m)!

1.2 Calculation results, Exterior 1

1.2.4 Table, EM - Arch 2 - Amenity (E)





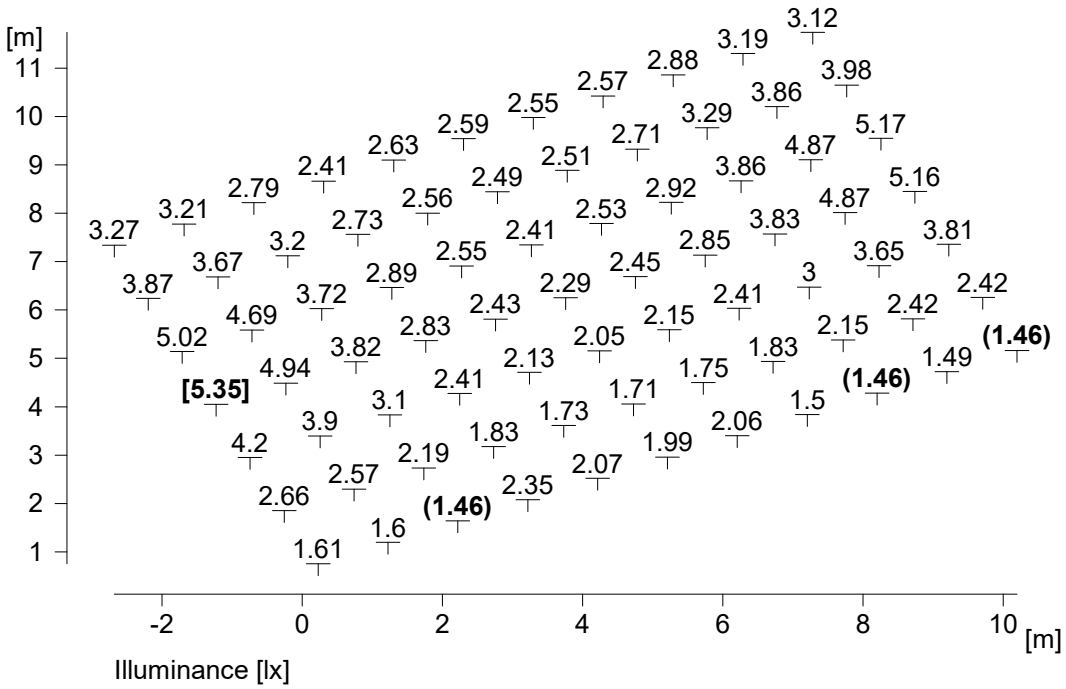
Required minimum illuminance : 0.5 lx (lower values are highlighted in red)

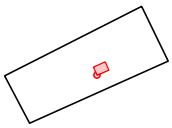
Minimum illuminance	Emin	: 1.2 lx (* 1.1 lx)
Maximum illuminance	Emax	: 5.2 lx (* 5.4 lx)
Diversity	Emin/Emax	: 1 : 4.26 (0.23) (Threshold value 1:40) (* 1:5.09)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

*: Values on fine measuing grid (0.1m - 0.5m)!

1.2 Calculation results, Exterior 1

1.2.5 Table, EM - Arch 6 - Car Park (E)





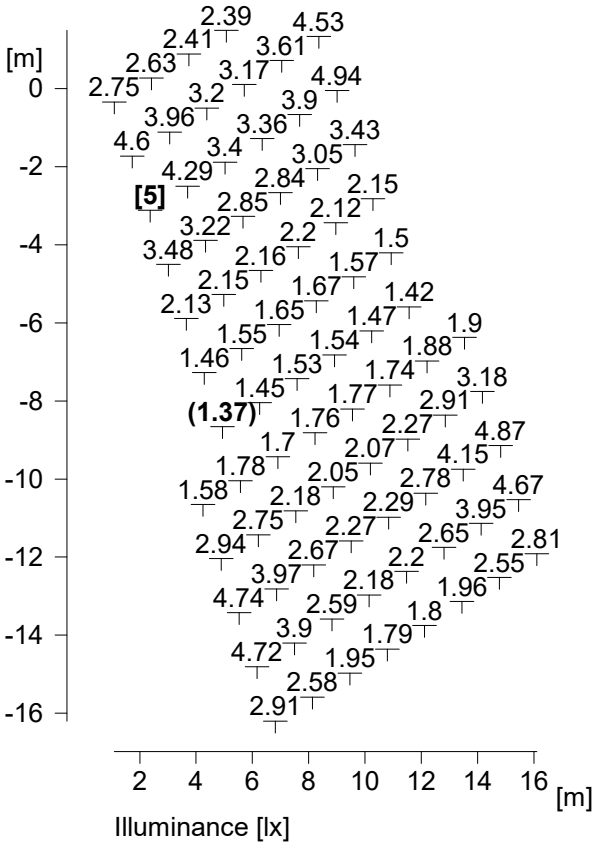
Required minimum illuminance : 0.5 lx (lower values are highlighted in red)

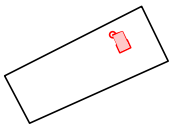
Minimum illuminance	Emin	: 1.5 lx (* 1.2 lx)
Maximum illuminance	Emax	: 5.4 lx (* 5.4 lx)
Diversity	Emin/Emax	: 1 : 3.67 (0.27) (Threshold value 1:40) (* 1:4.68)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

*: Values on fine measuing grid (0.1m - 0.5m)!

1.2 Calculation results, Exterior 1

1.2.6 Table, EM - Arch 8 - Bin Store (E)





Required minimum illuminance : 0.5 lx (lower values are highlighted in red)

Minimum illuminance	Emin	: 1.4 lx (* 0.8 lx)
Maximum illuminance	Emax	: 5 lx (* 5.2 lx)
Diversity	Emin/Emax	: 1 : 3.64 (0.28) (Threshold value 1:40) (* 1:6.62)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

*: Values on fine measuing grid (0.1m - 0.5m)!