

## Residential Care Home

Installation : Exterior

Project number : SY0425-92 Barnsley CH

Customer :

Processed by : EP

Date : 29.04.2025

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.

Object : Residential Care Home  
Installation : Exterior  
Project number : SY0425-92 Barnsley CH  
Date : 29.04.2025



## Table of contents

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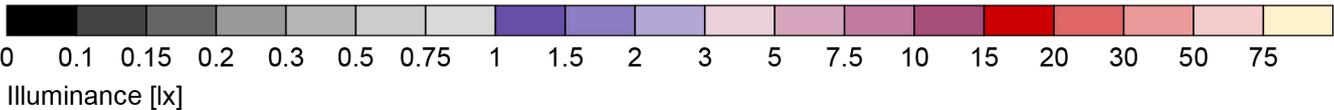
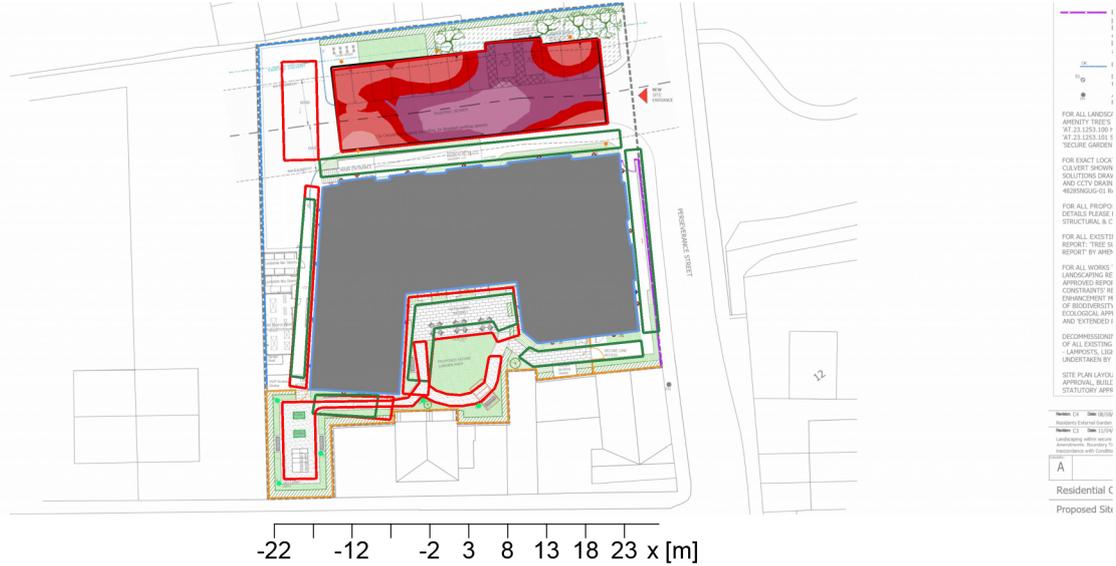
First Page	1
Table of contents	2
<b>1 Exterior 1</b>	
<b>1.1 Summary, Exterior 1</b>	
1.1.1 Result overview, CARPARK	3
1.1.2 Result overview, WALKWAY	5
1.1.3 Result overview, WALKWAY	7
1.1.4 Result overview, WALKWAY	9
1.1.5 Result overview, WALKWAY	11
1.1.6 Result overview, WALKWAY	13
1.1.7 Result overview, WALKWAY	15
1.1.8 Result overview, SECURE GARDEN	17
1.1.9 Result overview, ENTRANCE	19
<b>1.2 Summary, Exterior 1</b>	
1.2.1.1 Result overview (emergency lighting)	21

Object : Residential Care Home  
 Installation : Exterior  
 Project number : SY0425-92 Barnsley CH  
 Date : 29.04.2025

# 1 Exterior 1

## 1.1 Summary, Exterior 1

### 1.1.1 Result overview, CARPARK



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	65415 lm
Total power	528.5 W
Total power per area (384.30 m <sup>2</sup> )	1.38 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	16.3 lx
Minimum illuminance	$E_{min}$	7.7 lx
Maximum illuminance	$E_{max}$	34.8 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:2.11 (0.47)
Diversity $U_d$	$E_{min}/E_{max}$	1:4.52 (0.22)

#### Type No.\Make

##### NET LED Lighting - Phone:01223851505

1	5 x	Order No.	: HISTON 30W LED Street Light 3000K
		Luminaire name	: HISTON 30W LED Street Light 3000K
		Equipment	: 1 x 29 W / 3913 lm

##### OVIA

5	11E x	Order No.	: OV2071AG15 4000K	-- Emergency Lighting --
		Luminaire name	: Inceptor Murus	
		Equipment	: 1 x LED 15 W / 1950 lm	
		Emergency	: 410 lm (21.0 %)	

Object : Residential Care Home  
Installation : Exterior  
Project number : SY0425-92 Barnsley CH  
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## 1 Exterior 1

### 1.1 Summary, Exterior 1

#### 1.1.1 Result overview, CARPARK

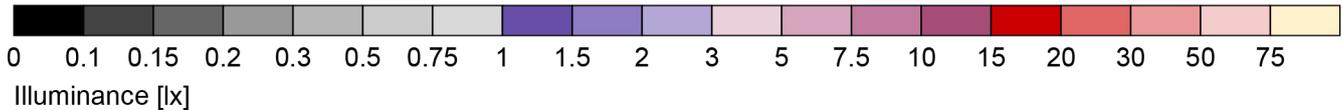
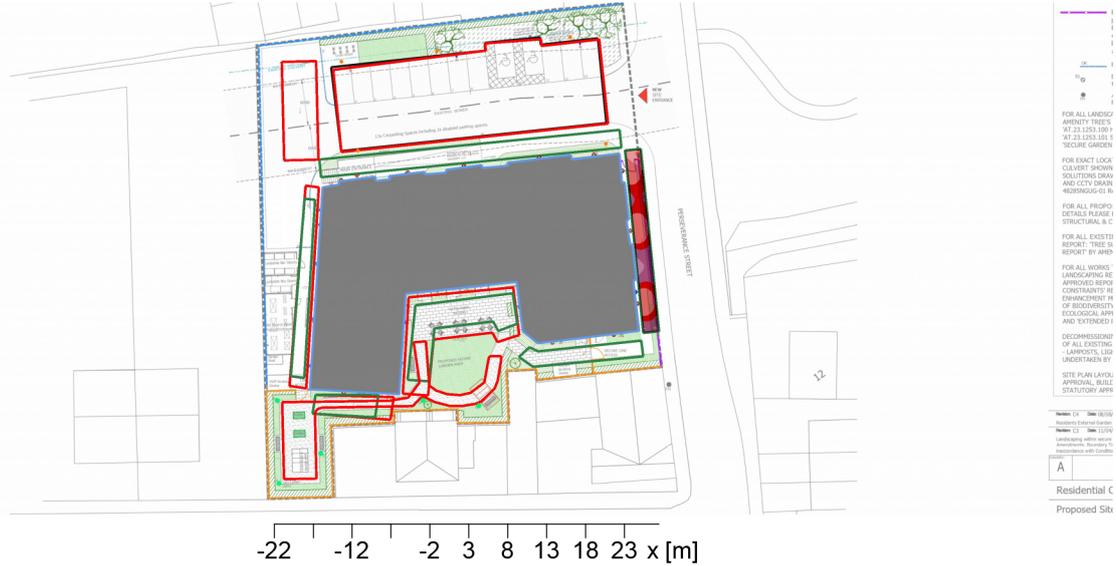
**FUMAGALLI**  
7 5 x  Order No. : !Q33.000.Q1R  
Luminaire name : TOBIA-SIMON HIP 30W 3000K  
Equipment : 1 x TOBIA HIP 30W 3000K 15 W / 1800 lm

**THORNeco**  
10 7E x  Order No. : 96635286 (STD - standard) -- Emergency Lighting --  
Luminaire name : LARA VARIOFLEX 300 2200 830/35/40  
Equipment : 1 x LED-TE592 20C5W 20.5 W / 2200 lm  
Emergency : 210 lm (9.5 %)

Object : Residential Care Home  
 Installation : Exterior  
 Project number : SY0425-92 Barnsley CH  
 Date : 29.04.2025

## 1.1 Summary, Exterior 1

### 1.1.2 Result overview, WALKWAY



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	65415 lm
Total power	528.5 W
Total power per area (384.30 m <sup>2</sup> )	1.38 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	19.3 lx
Minimum illuminance	$E_{min}$	8.4 lx
Maximum illuminance	$E_{max}$	38.7 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:2.3 (0.43)
Diversity $U_d$	$E_{min}/E_{max}$	1:4.6 (0.22)

#### Type No.\Make

1	5 x	<b>NET LED Lighting - Phone:01223851505</b>
	Order No.	: HISTON 30W LED Street Light 3000K
	Luminaire name	: HISTON 30W LED Street Light 3000K
	Equipment	: 1 x 29 W / 3913 lm

5	11E x	<b>OVIA</b>	
	Order No.	: OV2071AG15 4000K	-- Emergency Lighting --
	Luminaire name	: Inceptor Murus	
	Equipment	: 1 x LED 15 W / 1950 lm	
	Emergency	: 410 lm (21.0 %)	

Object : Residential Care Home  
Installation : Exterior  
Project number : SY0425-92 Barnsley CH  
Date : 29.04.2025



## 1.1 Summary, Exterior 1

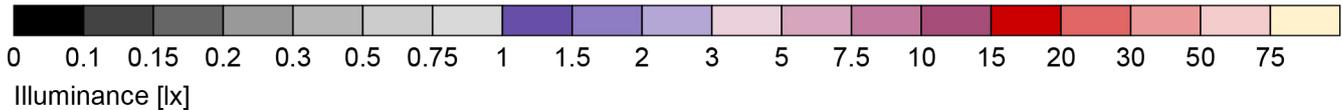
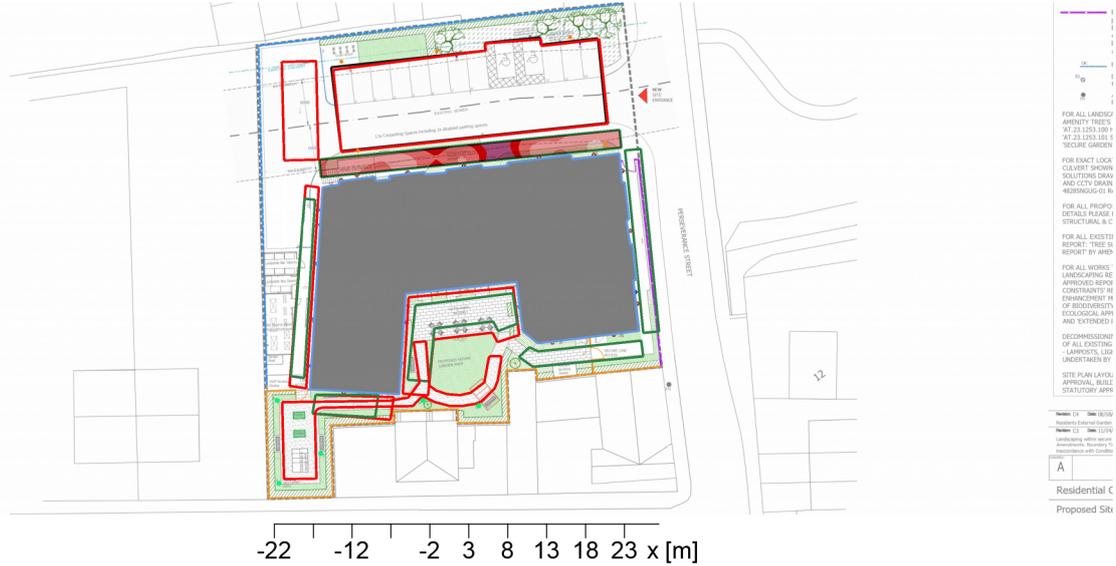
### 1.1.2 Result overview, WALKWAY

7	5 x	<b>FUMAGALLI</b>	Order No.	: !Q33.000.Q1R
			Luminaire name	: TOBIA-SIMON HIP 30W 3000K
			Equipment	: 1 x TOBIA HIP 30W 3000K 15 W / 1800 lm
10	7E x	<b>THORNeco</b>	Order No.	: 96635286 (STD - standard) -- Emergency Lighting --
			Luminaire name	: LARA VARIOFLEX 300 2200 830/35/40
			Equipment	: 1 x LED-TE592 20C5W 20.5 W / 2200 lm
			Emergency	: 210 lm (9.5 %)

Object : Residential Care Home  
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 Date : 29.04.2025

## 1.1 Summary, Exterior 1

### 1.1.3 Result overview, WALKWAY



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	65415 lm
Total power	528.5 W
Total power per area (384.30 m <sup>2</sup> )	1.38 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	29.6 lx
Minimum illuminance	$E_{min}$	10.5 lx
Maximum illuminance	$E_{max}$	53 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:2.81 (0.36)
Diversity $U_d$	$E_{min}/E_{max}$	1:5.05 (0.2)

#### Type No.\Make

<b>NET LED Lighting - Phone:01223851505</b>	
1 5 x	Order No. : HISTON 30W LED Street Light 3000K
	Luminaire name : HISTON 30W LED Street Light 3000K
	Equipment : 1 x 29 W / 3913 lm

<b>OVIA</b>	
5 11E x	Order No. : OV2071AG15 4000K -- Emergency Lighting --
	Luminaire name : Inceptor Murus
	Equipment : 1 x LED 15 W / 1950 lm
	Emergency : 410 lm (21.0 %)

Object : Residential Care Home  
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Project number : SY0425-92 Barnsley CH  
Date : 29.04.2025



## 1.1 Summary, Exterior 1

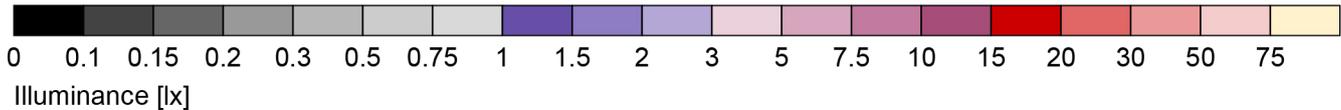
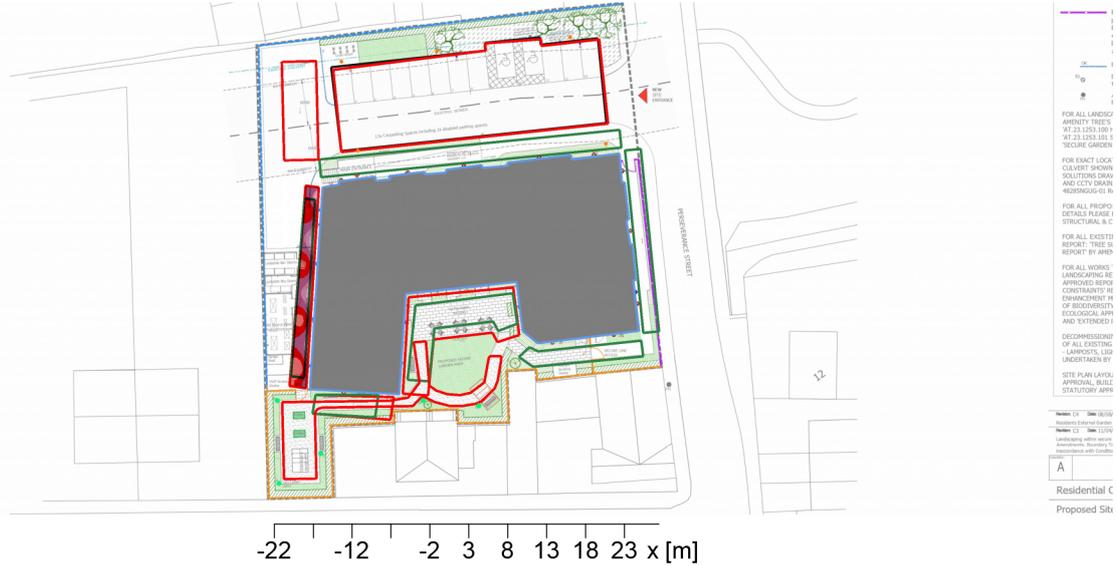
### 1.1.3 Result overview, WALKWAY

7	5 x	<b>FUMAGALLI</b>	Order No.	: !Q33.000.Q1R
			Luminaire name	: TOBIA-SIMON HIP 30W 3000K
			Equipment	: 1 x TOBIA HIP 30W 3000K 15 W / 1800 lm
10	7E x	<b>THORNeco</b>	Order No.	: 96635286 (STD - standard) -- Emergency Lighting --
			Luminaire name	: LARA VARIOFLEX 300 2200 830/35/40
			Equipment	: 1 x LED-TE592 20C5W 20.5 W / 2200 lm
			Emergency	: 210 lm (9.5 %)

Object : Residential Care Home  
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 Project number : SY0425-92 Barnsley CH  
 Date : 29.04.2025

## 1.1 Summary, Exterior 1

### 1.1.4 Result overview, WALKWAY



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	65415 lm
Total power	528.5 W
Total power per area (384.30 m <sup>2</sup> )	1.38 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	14.2 lx
Minimum illuminance	$E_{min}$	4.9 lx
Maximum illuminance	$E_{max}$	23.6 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:2.89 (0.35)
Diversity $U_d$	$E_{min}/E_{max}$	1:4.79 (0.21)

#### Type No.\Make

##### NET LED Lighting - Phone:01223851505

1	5 x	Order No.	: HISTON 30W LED Street Light 3000K
		Luminaire name	: HISTON 30W LED Street Light 3000K
		Equipment	: 1 x 29 W / 3913 lm

##### OVIA

5	11E x	Order No.	: OV2071AG15 4000K	-- Emergency Lighting --
		Luminaire name	: Inceptor Murus	
		Equipment	: 1 x LED 15 W / 1950 lm	
		Emergency	: 410 lm (21.0 %)	

Object : Residential Care Home  
Installation : Exterior  
Project number : SY0425-92 Barnsley CH  
Date : 29.04.2025



## 1.1 Summary, Exterior 1

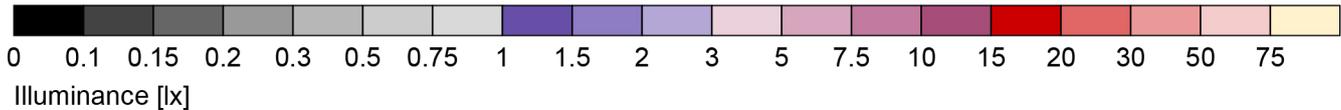
### 1.1.4 Result overview, WALKWAY

7	5 x	<b>FUMAGALLI</b>	Order No.	: !Q33.000.Q1R
			Luminaire name	: TOBIA-SIMON HIP 30W 3000K
			Equipment	: 1 x TOBIA HIP 30W 3000K 15 W / 1800 lm
10	7E x	<b>THORNeco</b>	Order No.	: 96635286 (STD - standard) -- Emergency Lighting --
			Luminaire name	: LARA VARIOFLEX 300 2200 830/35/40
			Equipment	: 1 x LED-TE592 20C5W 20.5 W / 2200 lm
			Emergency	: 210 lm (9.5 %)

Object : Residential Care Home  
 Installation : Exterior  
 Project number : SY0425-92 Barnsley CH  
 Date : 29.04.2025

## 1.1 Summary, Exterior 1

### 1.1.5 Result overview, WALKWAY



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	65415 lm
Total power	528.5 W
Total power per area (384.30 m <sup>2</sup> )	1.38 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	15.2 lx
Minimum illuminance	$E_{min}$	5.8 lx
Maximum illuminance	$E_{max}$	29.3 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:2.6 (0.38)
Diversity $U_d$	$E_{min}/E_{max}$	1:5.02 (0.2)

#### Type No.\Make

##### NET LED Lighting - Phone:01223851505

1	5 x	Order No.	: HISTON 30W LED Street Light 3000K
		Luminaire name	: HISTON 30W LED Street Light 3000K
		Equipment	: 1 x 29 W / 3913 lm

##### OVIA

5	11E x	Order No.	: OV2071AG15 4000K	-- Emergency Lighting --
		Luminaire name	: Inceptor Murus	
		Equipment	: 1 x LED 15 W / 1950 lm	
		Emergency	: 410 lm (21.0 %)	

Object : Residential Care Home  
Installation : Exterior  
Project number : SY0425-92 Barnsley CH  
Date : 29.04.2025



## 1.1 Summary, Exterior 1

### 1.1.5 Result overview, WALKWAY

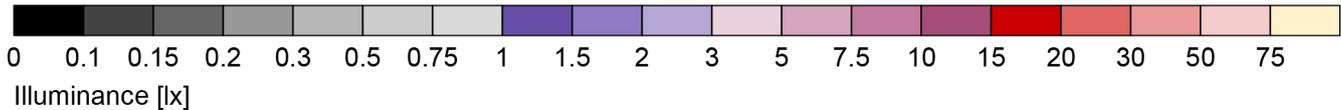
**FUMAGALLI**  
7 5 x  Order No. : !Q33.000.Q1R  
Luminaire name : TOBIA-SIMON HIP 30W 3000K  
Equipment : 1 x TOBIA HIP 30W 3000K 15 W / 1800 lm

**THORNeco**  
10 7E x  Order No. : 96635286 (STD - standard) -- Emergency Lighting --  
Luminaire name : LARA VARIOFLEX 300 2200 830/35/40  
Equipment : 1 x LED-TE592 20C5W 20.5 W / 2200 lm  
Emergency : 210 lm (9.5 %)

Object : Residential Care Home  
 Installation : Exterior  
 Project number : SY0425-92 Barnsley CH  
 Date : 29.04.2025

## 1.1 Summary, Exterior 1

### 1.1.6 Result overview, WALKWAY



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	65415 lm
Total power	528.5 W
Total power per area (384.30 m <sup>2</sup> )	1.38 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	14.6 lx
Minimum illuminance	$E_{min}$	4.3 lx
Maximum illuminance	$E_{max}$	57 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:3.42 (0.29)
Diversity $U_d$	$E_{min}/E_{max}$	1:13.3 (0.08)

#### Type No.\Make

##### NET LED Lighting - Phone:01223851505

1	5 x	Order No.	: HISTON 30W LED Street Light 3000K
		Luminaire name	: HISTON 30W LED Street Light 3000K
		Equipment	: 1 x 29 W / 3913 lm

##### OVIA

5	11E x	Order No.	: OV2071AG15 4000K	-- Emergency Lighting --
		Luminaire name	: Inceptor Murus	
		Equipment	: 1 x LED 15 W / 1950 lm	
		Emergency	: 410 lm (21.0 %)	

Object : Residential Care Home  
Installation : Exterior  
Project number : SY0425-92 Barnsley CH  
Date : 29.04.2025



## 1.1 Summary, Exterior 1

### 1.1.6 Result overview, WALKWAY

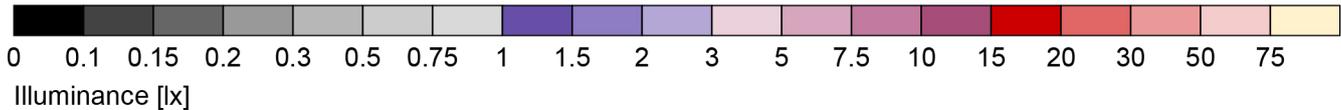
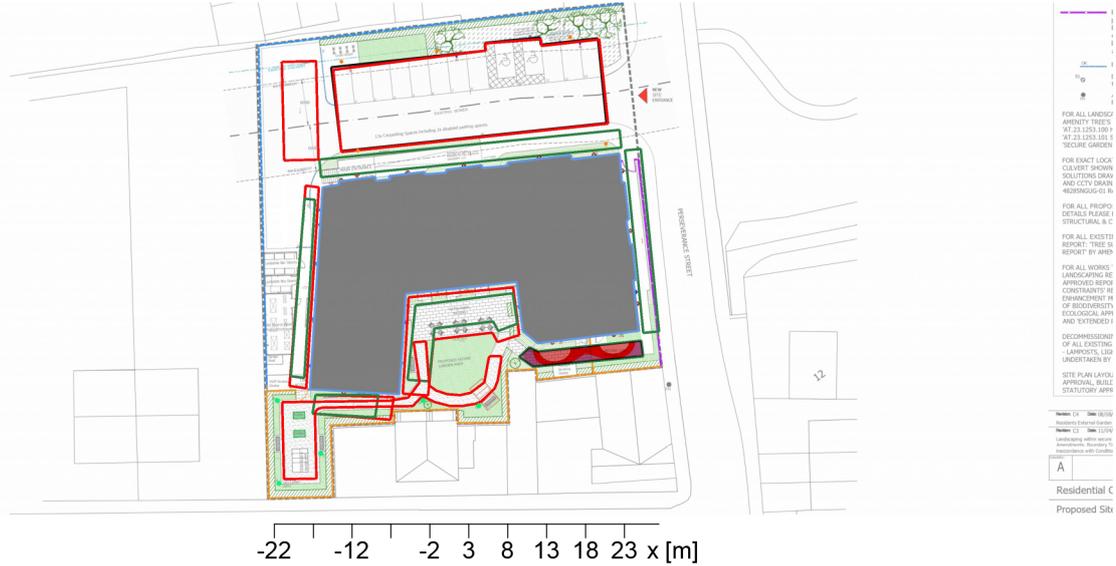
**FUMAGALLI**  
7 5 x  Order No. : !Q33.000.Q1R  
Luminaire name : TOBIA-SIMON HIP 30W 3000K  
Equipment : 1 x TOBIA HIP 30W 3000K 15 W / 1800 lm

**THORNeco**  
10 7E x  Order No. : 96635286 (STD - standard) -- Emergency Lighting --  
Luminaire name : LARA VARIOFLEX 300 2200 830/35/40  
Equipment : 1 x LED-TE592 20C5W 20.5 W / 2200 lm  
Emergency : 210 lm (9.5 %)

Object : Residential Care Home  
 Installation : Exterior  
 Project number : SY0425-92 Barnsley CH  
 Date : 29.04.2025

## 1.1 Summary, Exterior 1

### 1.1.7 Result overview, WALKWAY



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	65415 lm
Total power	528.5 W
Total power per area (384.30 m <sup>2</sup> )	1.38 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	17.6 lx
Minimum illuminance	$E_{min}$	9.1 lx
Maximum illuminance	$E_{max}$	28.4 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:1.94 (0.52)
Diversity $U_d$	$E_{min}/E_{max}$	1:3.13 (0.32)

#### Type No.\Make

##### NET LED Lighting - Phone:01223851505

1	5 x	Order No.	: HISTON 30W LED Street Light 3000K
		Luminaire name	: HISTON 30W LED Street Light 3000K
		Equipment	: 1 x 29 W / 3913 lm

##### OVIA

5	11E x	Order No.	: OV2071AG15 4000K	-- Emergency Lighting --
		Luminaire name	: Inceptor Murus	
		Equipment	: 1 x LED 15 W / 1950 lm	
		Emergency	: 410 lm (21.0 %)	

Object : Residential Care Home  
Installation : Exterior  
Project number : SY0425-92 Barnsley CH  
Date : 29.04.2025



## 1.1 Summary, Exterior 1

### 1.1.7 Result overview, WALKWAY

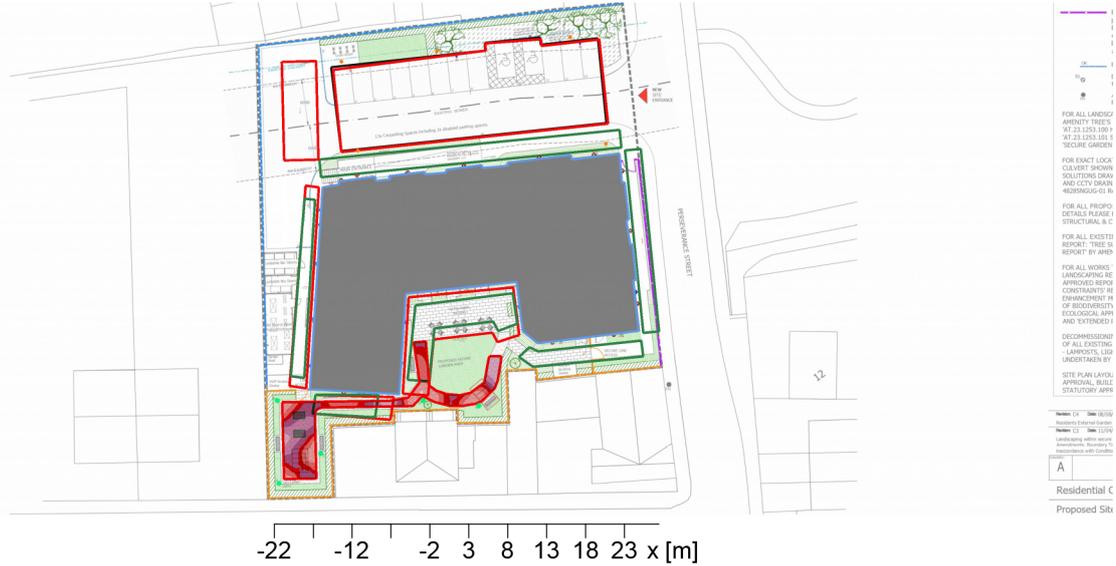
**FUMAGALLI**  
7 5 x  Order No. : !Q33.000.Q1R  
Luminaire name : TOBIA-SIMON HIP 30W 3000K  
Equipment : 1 x TOBIA HIP 30W 3000K 15 W / 1800 lm

**THORNeco**  
10 7E x  Order No. : 96635286 (STD - standard) -- Emergency Lighting --  
Luminaire name : LARA VARIOFLEX 300 2200 830/35/40  
Equipment : 1 x LED-TE592 20C5W 20.5 W / 2200 lm  
Emergency : 210 lm (9.5 %)

Object : Residential Care Home  
 Installation : Exterior  
 Project number : SY0425-92 Barnsley CH  
 Date : 29.04.2025

## 1.1 Summary, Exterior 1

### 1.1.8 Result overview, SECURE GARDEN



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	65415 lm
Total power	528.5 W
Total power per area (384.30 m <sup>2</sup> )	1.38 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	19.3 lx
Minimum illuminance	$E_{min}$	5.7 lx
Maximum illuminance	$E_{max}$	58.1 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:3.41 (0.29)
Diversity $U_d$	$E_{min}/E_{max}$	1:10.3 (0.1)

#### Type No.\Make

<b>1</b>	<b>5 x</b>	<b>NET LED Lighting - Phone:01223851505</b>
	Order No.	: HISTON 30W LED Street Light 3000K
	Luminaire name	: HISTON 30W LED Street Light 3000K
	Equipment	: 1 x 29 W / 3913 lm

<b>5</b>	<b>11E x</b>	<b>OVIA</b>	
	Order No.	: OV2071AG15 4000K	-- Emergency Lighting --
	Luminaire name	: Inceptor Murus	
	Equipment	: 1 x LED 15 W / 1950 lm	
	Emergency	: 410 lm (21.0 %)	

Object : Residential Care Home  
Installation : Exterior  
Project number : SY0425-92 Barnsley CH  
Date : 29.04.2025



## 1.1 Summary, Exterior 1

### 1.1.8 Result overview, SECURE GARDEN

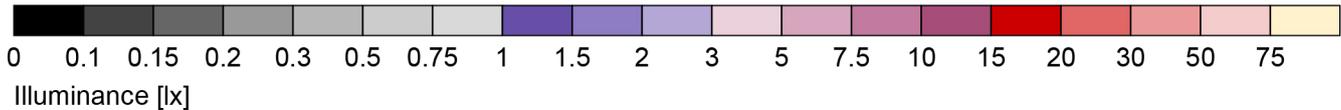
**FUMAGALLI**  
7 5 x  Order No. : !Q33.000.Q1R  
Luminaire name : TOBIA-SIMON HIP 30W 3000K  
Equipment : 1 x TOBIA HIP 30W 3000K 15 W / 1800 lm

**THORNeco**  
10 7E x  Order No. : 96635286 (STD - standard) -- Emergency Lighting --  
Luminaire name : LARA VARIOFLEX 300 2200 830/35/40  
Equipment : 1 x LED-TE592 20C5W 20.5 W / 2200 lm  
Emergency : 210 lm (9.5 %)

Object : Residential Care Home  
 Installation : Exterior  
 Project number : SY0425-92 Barnsley CH  
 Date : 29.04.2025

## 1.1 Summary, Exterior 1

### 1.1.9 Result overview, ENTRANCE



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	65415 lm
Total power	528.5 W
Total power per area (384.30 m <sup>2</sup> )	1.38 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	12.1 lx
Minimum illuminance	$E_{min}$	7.1 lx
Maximum illuminance	$E_{max}$	20.7 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:1.69 (0.59)
Diversity $U_d$	$E_{min}/E_{max}$	1:2.9 (0.34)

#### Type No.\Make

##### NET LED Lighting - Phone:01223851505

1	5 x	Order No.	: HISTON 30W LED Street Light 3000K
		Luminaire name	: HISTON 30W LED Street Light 3000K
		Equipment	: 1 x 29 W / 3913 lm

##### OVIA

5	11E x	Order No.	: OV2071AG15 4000K	-- Emergency Lighting --
		Luminaire name	: Inceptor Murus	
		Equipment	: 1 x LED 15 W / 1950 lm	
		Emergency	: 410 lm (21.0 %)	

Object : Residential Care Home  
Installation : Exterior  
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## 1.1 Summary, Exterior 1

### 1.1.9 Result overview, ENTRANCE

**FUMAGALLI**  
7 5 x  Order No. : !Q33.000.Q1R  
Luminaire name : TOBIA-SIMON HIP 30W 3000K  
Equipment : 1 x TOBIA HIP 30W 3000K 15 W / 1800 lm

**THORNeco**  
10 7E x  Order No. : 96635286 (STD - standard) -- Emergency Lighting --  
Luminaire name : LARA VARIOFLEX 300 2200 830/35/40  
Equipment : 1 x LED-TE592 20C5W 20.5 W / 2200 lm  
Emergency : 210 lm (9.5 %)

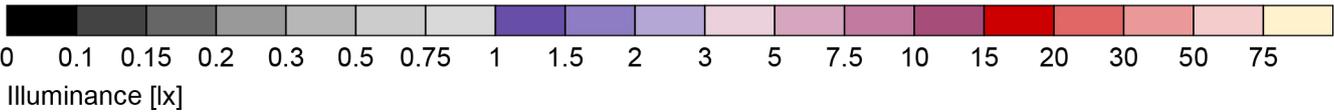
Object : Residential Care Home  
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 Project number : SY0425-92 Barnsley CH  
 Date : 29.04.2025



# 1 Exterior 1

## 1.2 Summary, Exterior 1

### 1.2.1.1 Result overview (emergency lighting)

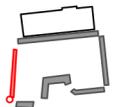
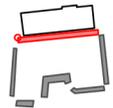
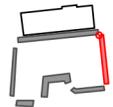


#### General

Calculation algorithm used : Direct component  
 Maintenance factor : 0.8  
 Height (phot. centre) : -variable-  
 Maximum I : 110 cd

#### Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
<b>12 WALKWAY</b>			
Calculation field: 23.76m x 2.04m (72 x 6 pts), Height = 0.00m			
1	1.65 lx >= 0.5 lx	5.67 lx	1: 3.43 >= 1: 40
<b>13 WALKWAY</b>			
Calculation field: 2.31m x 38.79m (6 x 108 pts), Height = 0.00m			
2	1.59 lx >= 0.5 lx	5.78 lx	1: 3.64 >= 1: 40
<b>14 WALKWAY</b>			
Calculation field: 3.14m x 23.06m (17 x 125 pts), Height = 0.00m			
3	0.51 lx >= 0.5 lx	2.01 lx	1: 3.98 >= 1: 40



Object : Residential Care Home  
 Installation : Exterior  
 Project number : SY0425-92 Barnsley CH  
 Date : 29.04.2025



# 1 Exterior 1

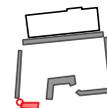
## 1.2 Summary, Exterior 1

### 1.2.1.1 Result overview (emergency lighting)

#### 15 WALKWAY

Calculation field: 3.73m x 8.01m (7 x 16 pts), Height = 0.00m

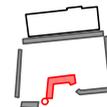
4	0.92 lx	5.44 lx	1: 5.92
	>= 0.5 lx		>= 1 : 40



#### 16 WALKWAY

Calculation field: 13.53m x 12.15m (33 x 29 pts), Height = 0.00m

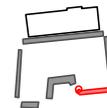
5	0.57 lx	2.03 lx	1: 3.53
	>= 0.5 lx		>= 1 : 40



#### 17 WALKWAY

Calculation field: 12.94m x 10.84m (37 x 31 pts), Height = 0.00m

6	1.37 lx	5.58 lx	1: 4.08
	>= 0.5 lx		>= 1 : 40



### Type No.Make

5	11E x	<b>OVIA</b>		
		Order No.	: OV2071AG15 4000K	-- Emergency Lighting --
		Luminaire name	: Inceptor Murus	
		Equipment	: 1 x LED 15 W / 1950 lm	
		Emergency	: 410 lm (21.0 %)	

10	7E x	<b>THORNeco</b>		
		Order No.	: 96635286 (STD - standard)	-- Emergency Lighting --
		Luminaire name	: LARA VARIOFLEX 300 2200 830/35/40	
		Equipment	: 1 x LED-TE592 20C5W 20.5 W / 2200 lm	
		Emergency	: 210 lm (9.5 %)	