



Installation : Smithybrook

Project number : na

Customer : FCHO

Processed by : James

Date : 19.12.2024

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 :
Installation : Smithybrook
Project number : na
Date : 19.12.2024



1 Luminaire data

1.1 Lux Bright Solutions Ltd., Columbus (Columbus 30W LED Flood)

1.1.1 Data sheet

Manufacturer: Lux Bright Solutions Ltd.

Columbus 30W LED Flood

Columbus

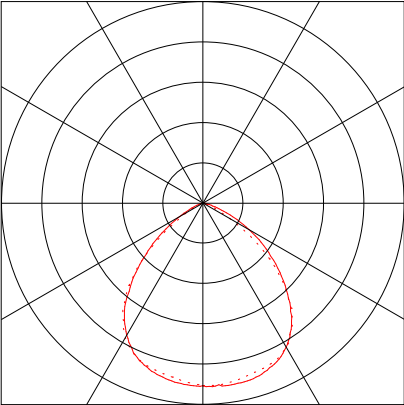
Luminaire data

Luminaire efficiency : 100.371%
Luminaire efficacy : 95.75 lm/W
Classification : A50 ↓100.0% ↑0.0%
CIE Flux Codes : 62 93 100 100 100
UGR 4H 8H : 25.2 / 22.5
Power : 30 W
Luminous flux : 2872.6 lm

Equipped with

Quantity : 1
Designation : 30w LED
Colour :
Luminous flux : 2862 lm

Dimensions : 175 mm x 145 mm x 0.0 mm



Object :
Installation : Smithybrook
Project number : na
Date : 19.12.2024



1 Luminaire data

1.2 Lux Bright Solutions Ltd, Columbus (50W LED Floodlight)

1.2.1 Data sheet

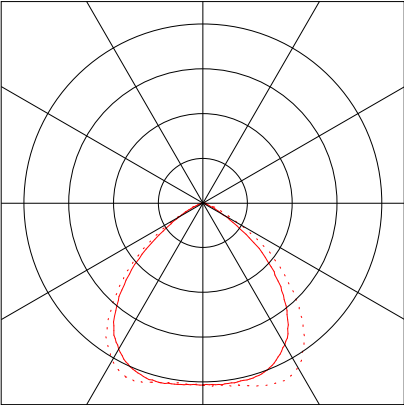
Manufacturer: Lux Bright Solutions Ltd

50W LED Floodlight Columbus

Luminaire data
Luminaire efficiency : 99.9458%
Luminaire efficacy : 85.81 lm/W
Classification : A50 ↓100.0% ↑0.0%
CIE Flux Codes : 62 93 100 100 100
UGR 4H 8H : 23.0 / 24.1
Power : 50 W
Luminous flux : 4290.7 lm

Dimensions : 184 mm x 226 mm x 0.0 mm

Equipped with
Quantity : 1
Designation : 50w LED
Colour :
Luminous flux : 4293 lm



Object :
Installation : Smithybrook
Project number : na
Date : 19.12.2024



1 Luminaire data

1.3 Lux Bright Solutions, Sandford Hood ECOLED 15W (LED Wall Light)

1.3.1 Data sheet

Manufacturer: Lux Bright Solutions

LED Wall Light Sandford Hood ECOLED 15W

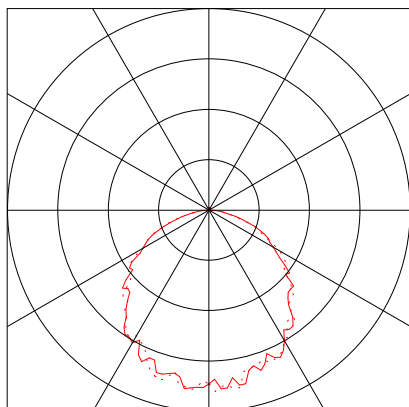
Luminaire data

Absolute Photometry
Luminaire efficacy : 79.2 lm/W
Classification : A40 ↓99.5% ↑0.5%
CIE Flux Codes : 48 80 97 100 100
UGR 4H 8H : 19.1 / 19.2
Power : 15 W
Luminous flux : 1188 lm

Dimensions : Ø318 mm x 100 mm

Equipped with

Quantity : 1
Designation : LED
Colour : 4000
Colour reproduction : 80



Object :
Installation : Smithybrook
Project number : na
Date : 19.12.2024



1 Luminaire data

1.4 Lux Bright Solutions Ltd, Trafford (Trafford/LED/40W/Switched)

1.4.1 Data sheet

Manufacturer: Lux Bright Solutions Ltd

Trafford/LED/40W/Switched Trafford

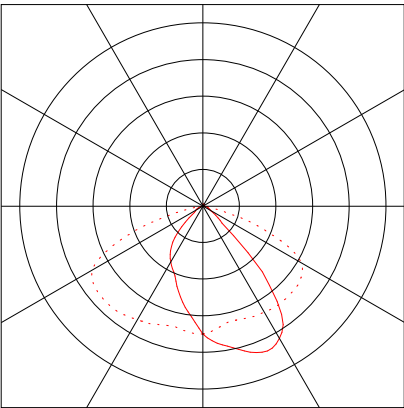
Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 135 lm/W
Classification : A50 ↓99.6% ↑0.4%
CIE Flux Codes : 52 88 99 100 100
UGR 4H 8H : 28.1 / 35.2
Power : 40 W
Luminous flux : 5400 lm

Dimensions : 90 mm x 190 mm x 0.0 mm

Equipped with

Quantity : 1
Designation : Philips 5050
Colour :
Luminous flux : 5400 lm
Colour reproduction : 0



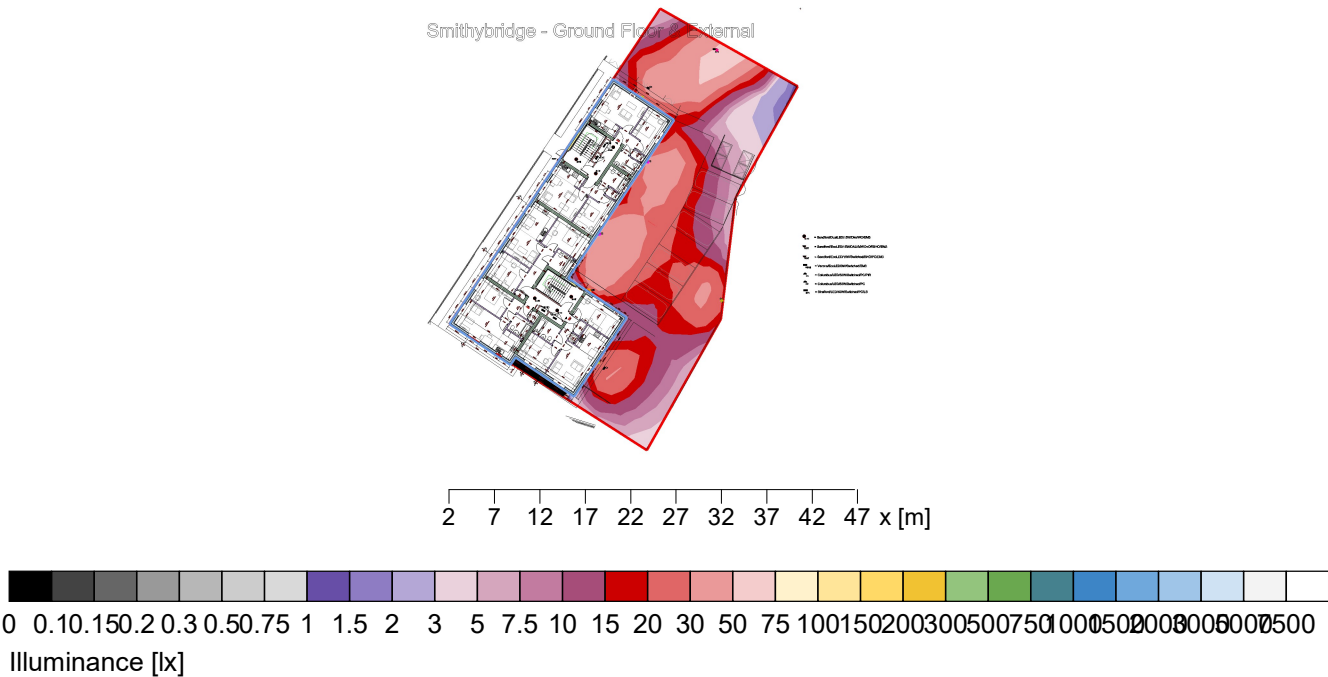
Object :
Installation : Smithybrook
Project number : na
Date : 19.12.2024



2 Exterior 1

2.1 Summary, Exterior 1

2.1.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	23760.00 lm
Total power	245.0 W
Total power per area (918.33 m²)	0.27 W/m² (1.32 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

	Horizontal
$\bar{E}_m$	20.2 lx
E_{min}	2.7 lx
$E_{min}/\bar{E}_m (U_o)$	0.13
$E_{min}/E_{max} (U_d)$	0.05
Position	0.00 m

Type No. Make

1	3 x	Lux Bright Solutions Ltd.
		Order No. : Columbus 30W LED Flood
		Luminaire name : Columbus
		Equipment : 1 x 30w LED 30 W / 2862 lm

Object :
Installation : Smithybrook
Project number : na
Date : 19.12.2024



2 Exterior 1

2.1 Summary, Exterior 1

2.1.1 Result overview, Evaluation area 1

Lux Bright Solutions Ltd

2 2 x  Order No. : 50W LED Floodlight
Luminaire name : Columbus
Equipment : 1 x 50w LED 50 W / 4293 lm

4 1 x  Order No. : Strafford/LED/40W/Switched
Luminaire name : Strafford
Equipment : 1 x Philips 5050 40 W / 5400 lm

Lux Bright Solutions

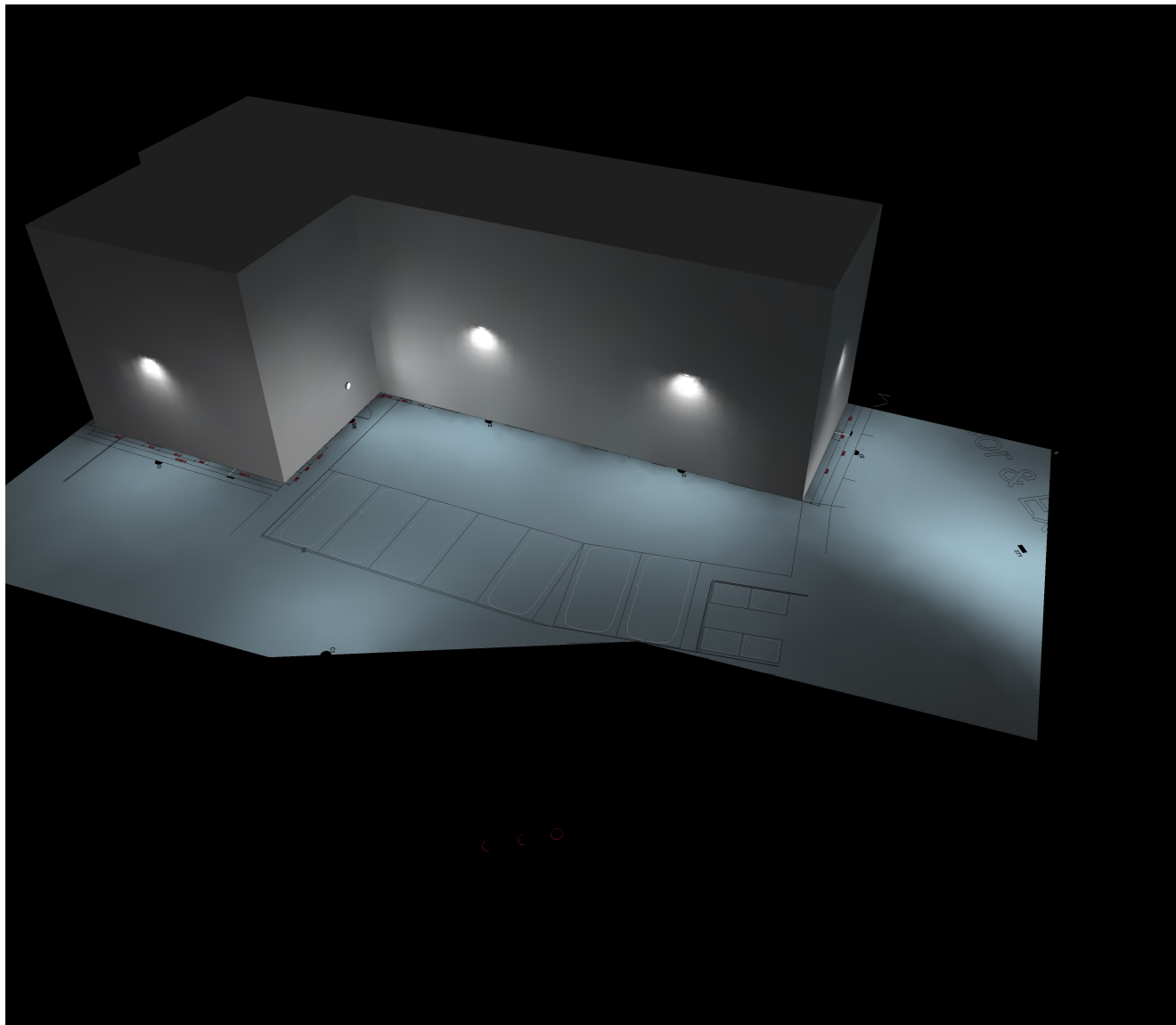
3 1 x  Order No. : LED Wall Light
Luminaire name : Sandford Hood ECOLED 15W
Equipment : 1 x LED 15 W / 1188 lm

Object :
Installation : Smithybrook
Project number : na
Date : 19.12.2024

2 Exterior 1

2.2 Calculation results, Exterior 1

2.2.2 3D luminance, View 1



Luminance in the scene

Minimum: : 0 cd/m²

Maximum: : 36 cd/m²

2.2 Calculation results, Exterior 1
2.2.4 3D pseudo colours, View 1 (E)

