

Installation : Havant Towers Car Park

Project number : STP05533
Customer : Guinness
Processed by : Liam Parkinson
Date : 13.05.2021

The copyright, design right and all other intellectual property rights and confidential information in these or any other drawings, specifications, designs and outlines ('Designs') prepared for You by Steon Limited or on Steon Limited's behalf shall belong to Steon Limited absolutely and any such Designs shall be or remain the exclusive property of Steon Limited. You are entitled to use as a licensee any such Designs in connection with assessing their suitability and You agree and acknowledge that You are not entitled to copy any sign Designs, disclose them to any third party or use them for any commercial purpose without the prior written consent of Steon Limited

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.

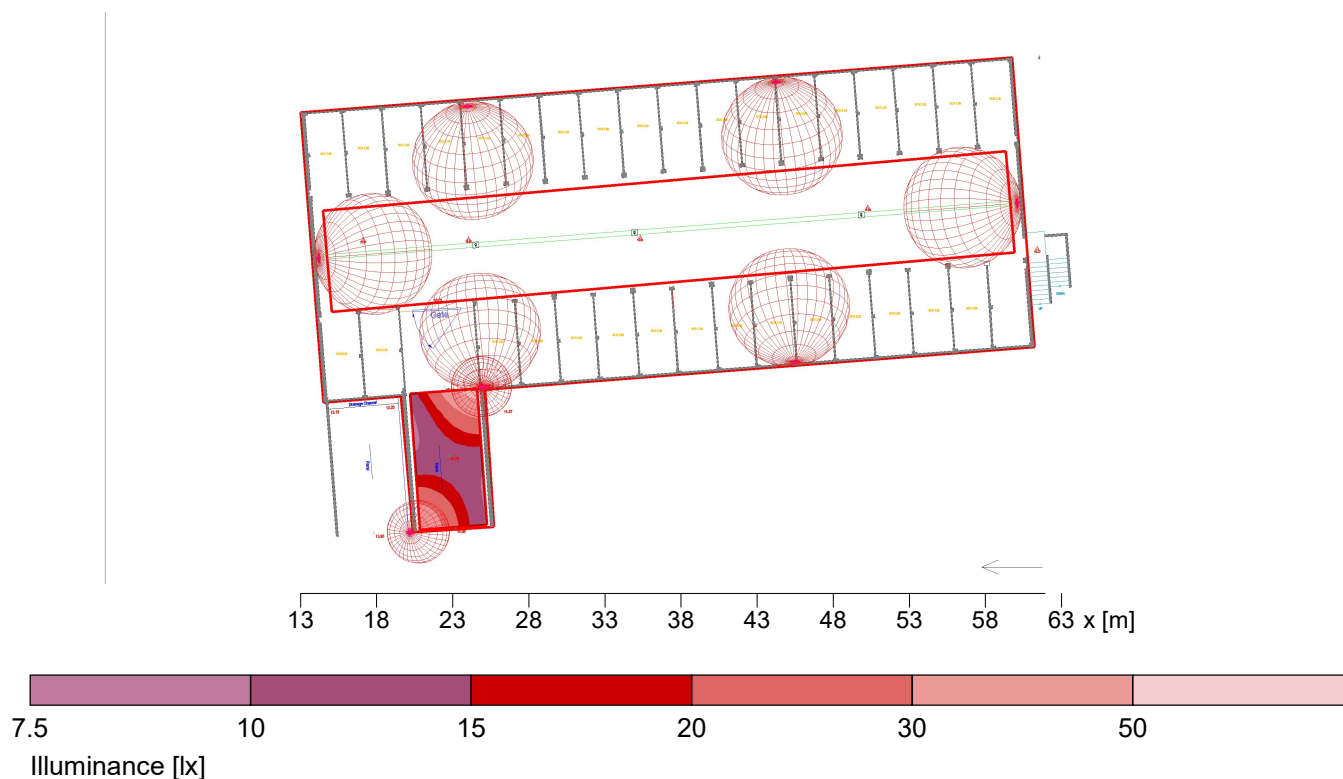
Liam Parkinson

Steon Ltd, Bridgewater Court, Network 65 Business Park, Burnley, Lancashire, BB11 5ST

1 Exterior 1

1.1 Summary, Exterior 1

1.1.1 Result overview, Measuring area 1



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot centre) [m]:	4.00 m
Maintenance factor	0.80

Total luminous flux of all lamps	22720 lm
Total power	116 W
Total power per area (941.44 m ²)	0.12 W/m ²

Illuminance

Average illuminance	Em	17.9 lx
Minimum illuminance	Emin	9.2 lx
Maximum illuminance	Emax	53.5 lx
Uniformity Uo	Emin/Em	1:1.93 (0.52)
Diversity Ud	Emin/Emax	1:5.79 (0.17)

Type No.\Make

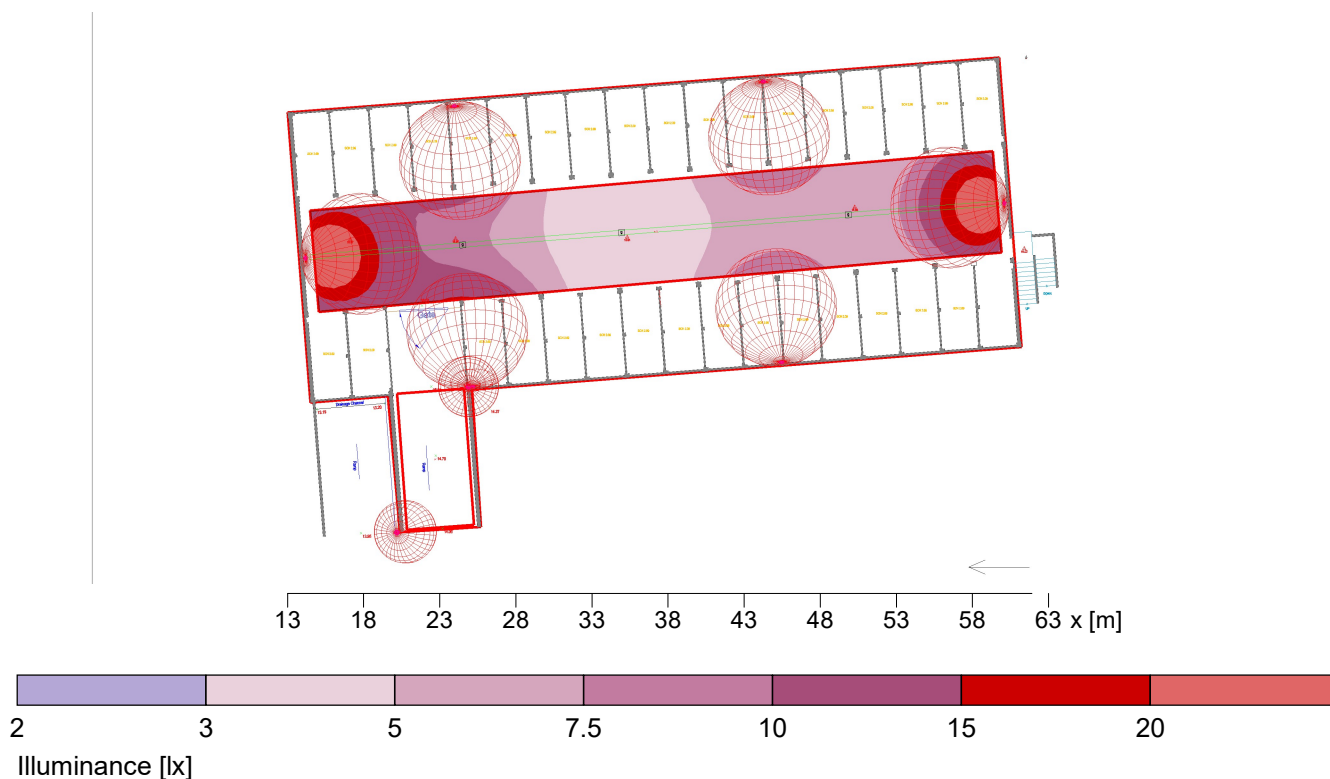


Steon Lighting

Order No.	: 75-262-460-502
Luminaire name	: Bank FL Midi 14W LED - 5700K
Equipment	: 1 x 14W 14.5 W / 2840 lm

1.1 Summary, Exterior 1

1.1.2 Result overview, Measuring area 2



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot centre) [m]:	4.00 m
Maintenance factor	0.80

Total luminous flux of all lamps	22720 lm
Total power	116 W
Total power per area (941.44 m ²)	0.12 W/m ²

Illuminance

Average illuminance	Em	8.5 lx
Minimum illuminance	Emin	2.9 lx
Maximum illuminance	Emax	27.9 lx
Uniformity Uo	Emin/Em	1:2.92 (0.34)
Diversity Ud	Emin/Emax	1:9.55 (0.1)

Type No.\Make

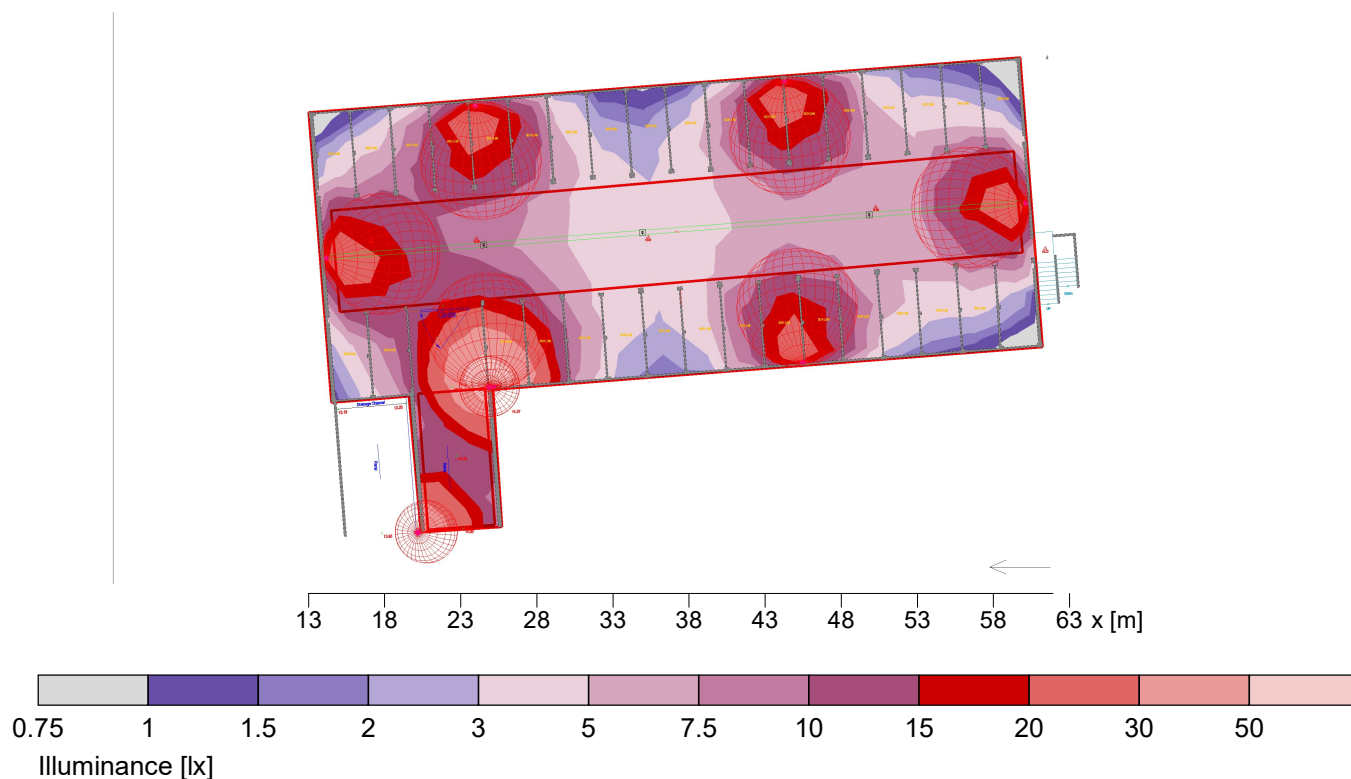


Steon Lighting

Order No.	: 75-262-460-502
Luminaire name	: Bank FL Midi 14W LED - 5700K
Equipment	: 1 x 14W 14.5 W / 2840 lm

1.1 Summary, Exterior 1

1.1.3 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height (phot. centre)	4.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	19880.00 lm
Total power	101.5 W
Total power per area (941.44 m ²)	0.11 W/m ² (1.12 W/m ² /100lx)

Evaluation area 1

Reference plane 1.1

Em	Horizontal
Emin	9.6 lx
Emin/Em (Uo)	0.79 lx
Emin/Emax (Ud)	0.08
Position	0.01
	0.00 m

Type No. Make

4	7	Steon Lighting
		Order No. : 75-262-460-502
		Luminaire name : Bank FL Midi 14W LED - 5700K
		Equipment : 1 x 14W 14.5 W / 2840 lm