

Globe and Simpson - Exterior Lighting

Installation : Exterior Lighting Models

Project number :

Customer : Briggs and Forrester

Processed by :

Date : 23.05.2022

Project description:

Additional Output added detailing Cd/m2 output across whole of the surround area

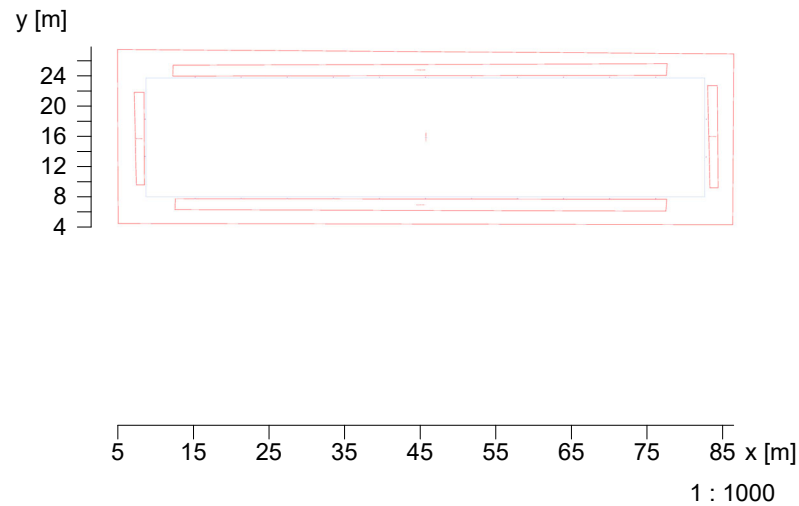
The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

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

1 Exterior 1

1.1 Description, Exterior 1

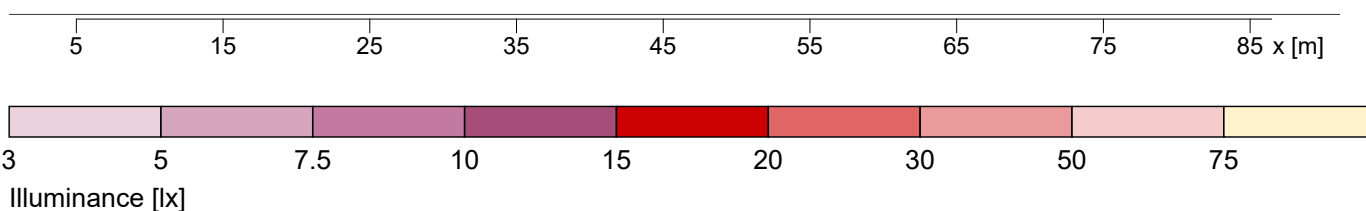
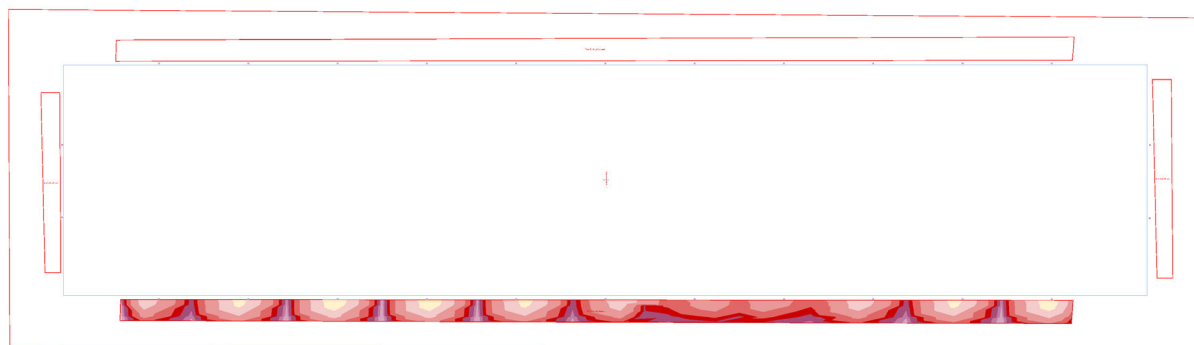
1.1.1 Floor plan



1 Exterior 1

1.2 Summary, Exterior 1

1.2.1 Result overview, Rear Building Surround



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	59644 lm
Total power	468 W
Total power per area (1850.34 m²)	0.25 W/m²

Illuminance

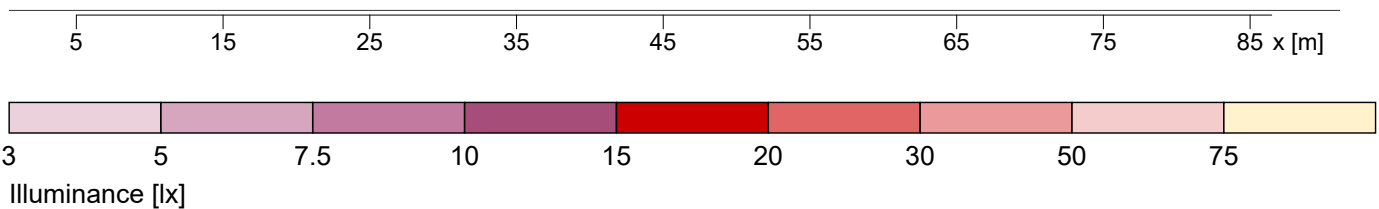
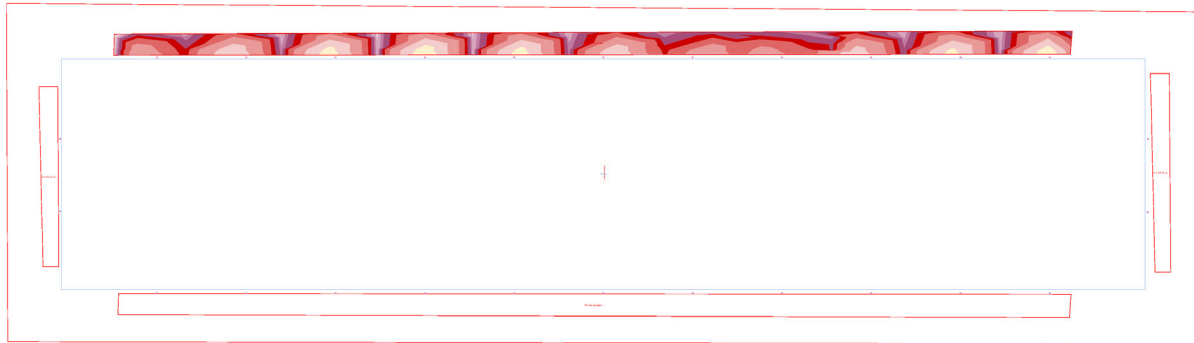
Average illuminance	Em	33.7 lx
Minimum illuminance	Emin	4.9 lx
Maximum illuminance	Emax	89.7 lx
Uniformity Uo	Emin/Em	1:6.89 (0.15)
Diversity Ud	Emin/Emax	1:18.3 (0.05)

Type No.\Make

FRANCESCO ARCHITECTURAL LIGHT			
4	26	Order No.	: !MOK-32024X.4.11
		Luminaire name	: MOK-32024X.4.11
		Equipment	: 1 x LL01CR-CEO12L02 9 W / 1147 lm
6	26	Order No.	: !MOK-32024X.4.13
		Luminaire name	: MOK-32024X.4.13
		Equipment	: 1 x LL01CR-CEO38L02 9 W / 1147 lm

1.2 Summary, Exterior 1

1.2.2 Result overview, Front Building Surround



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	59644 lm
Total power	468 W
Total power per area (1850.34 m²)	0.25 W/m²

Illuminance

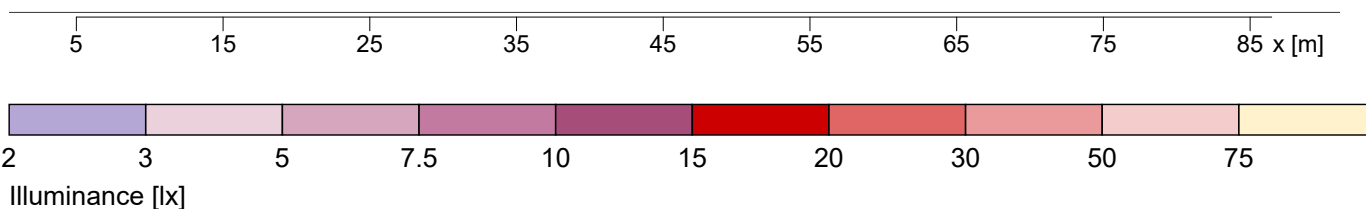
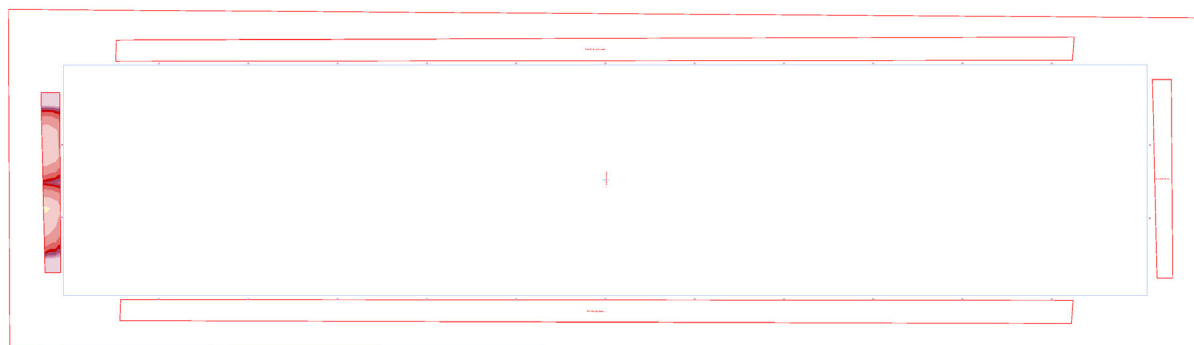
Average illuminance	Em	29.5 lx
Minimum illuminance	Emin	4.3 lx
Maximum illuminance	Emax	87.1 lx
Uniformity Uo	Emin/Em	1:6.84 (0.15)
Diversity Ud	Emin/Emax	1:20.2 (0.05)

Type No.\Make

FRANCESCO ARCHITECTURAL LIGHT		
4	26	Order No. : !MOK-32024X.4.11
		Luminaire name : MOK-32024X.4.11
		Equipment : 1 x LL01CR-CEO12L02 9 W / 1147 lm
6	26	Order No. : !MOK-32024X.4.13
		Luminaire name : MOK-32024X.4.13
		Equipment : 1 x LL01CR-CEO38L02 9 W / 1147 lm

1.2 Summary, Exterior 1

1.2.3 Result overview, Side of building 1



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	59644 lm
Total power	468 W
Total power per area (1850.34 m²)	0.25 W/m²

Illuminance

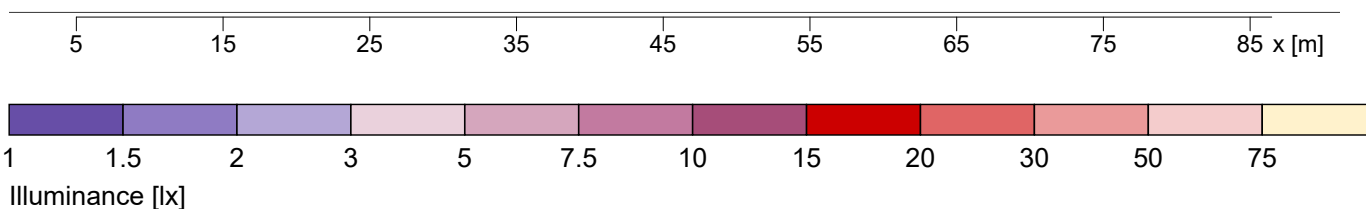
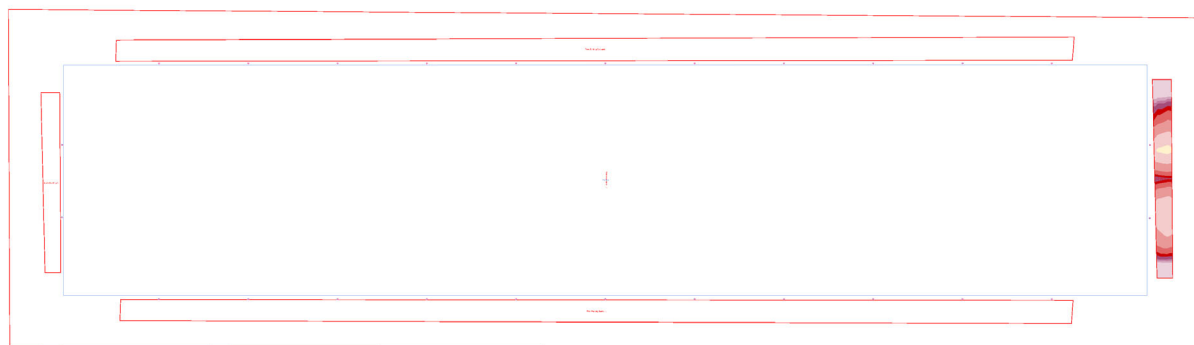
Average illuminance	Em	36.2 lx
Minimum illuminance	Emin	2.5 lx
Maximum illuminance	Emax	75.8 lx
Uniformity Uo	Emin/Em	1:14.4 (0.07)
Diversity Ud	Emin/Emax	1:30.2 (0.03)

Type No.\Make

FRANCESCO ARCHITECTURAL LIGHT		
4	26	Order No. : !MOK-32024X.4.11
		Luminaire name : MOK-32024X.4.11
		Equipment : 1 x LL01CR-CEO12L02 9 W / 1147 lm
6	26	Order No. : !MOK-32024X.4.13
		Luminaire name : MOK-32024X.4.13
		Equipment : 1 x LL01CR-CEO38L02 9 W / 1147 lm

1.2 Summary, Exterior 1

1.2.4 Result overview, Side of building 2



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	59644 lm
Total power	468 W
Total power per area (1850.34 m²)	0.25 W/m²

Illuminance

Average illuminance	Em	33.3 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	80.9 lx
Uniformity Uo	Emin/Em	1:25.5 (0.04)
Diversity Ud	Emin/Emax	1:61.9 (0.02)

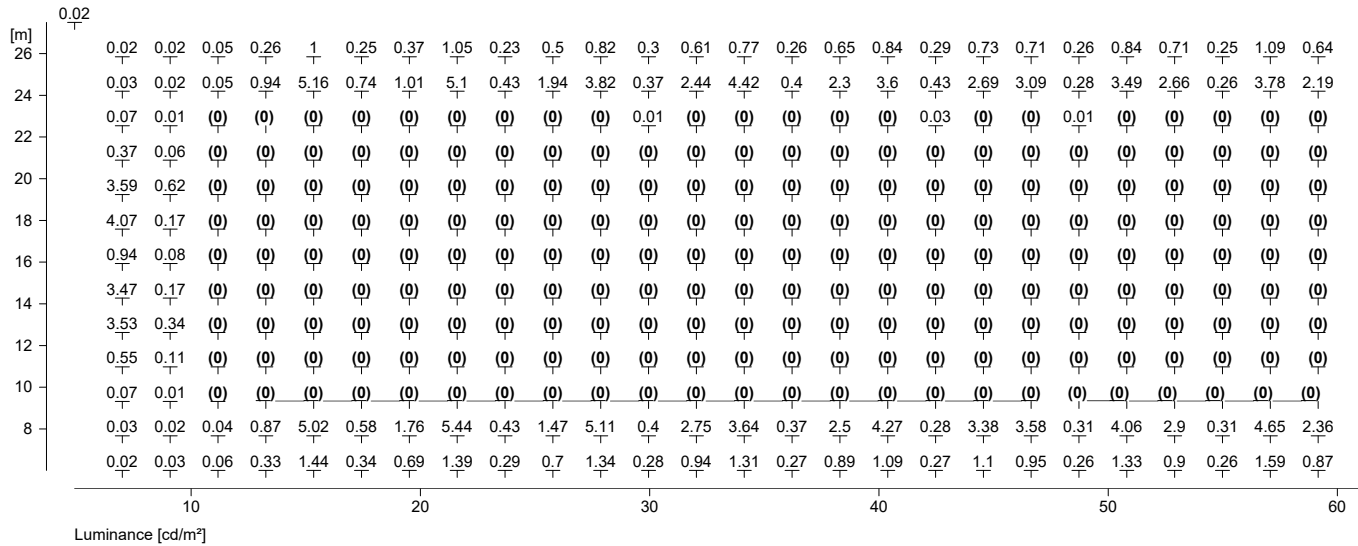
Type No.\Make

FRANCESCO ARCHITECTURAL LIGHT		
4	26	Order No. : !MOK-32024X.4.11
		Luminaire name : MOK-32024X.4.11
		Equipment : 1 x LL01CR-CEO12L02 9 W / 1147 lm
6	26	Order No. : !MOK-32024X.4.13
		Luminaire name : MOK-32024X.4.13
		Equipment : 1 x LL01CR-CEO38L02 9 W / 1147 lm

1 Exterior 1

1.3 Calculation results, Exterior 1

1.3.1 Table, Floor (L)



Part1

Average luminance
 Minimum luminance
 Maximum luminance

Lav : 0.47 cd/m²
 Lmin : 0 cd/m²
 Lmax : 5.61 cd/m²

Object : Globe and Simpson - Exterior Lighting
Installation : Exterior Lighting Models
Project number :
Date : 23.05.2022

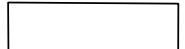


1 Exterior 1

1.3 Calculation results, Exterior 1

1.3.1 Table, Floor (L)

0.29	1.18	0.44	0.27	0.92	0.45	0.33	1.11	0.34	0.07	0.03	0.03
0.29	5	1.33	0.49	4.93	1.37	0.67	5.1	0.97	0.05	0.02	0.03
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0.01	0.05
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0.02	0.4
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0.43	3.77
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0.55	3.83
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0.09	0.87
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0.31	3.26
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0.49	3.79
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0.18	0.61
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0.02	0.11
0.37	5.15	1.52	0.48	5.37	1.14	0.52	[5.61]	0.71	0.04	0.02	0.04
0.28	1.36	0.65	0.31	1.48	0.52	0.38	1.56	0.46	0.05	0.02	0.02
				70					80	[m]	



Part2

1.3 Calculation results, Exterior 1

1.3.2 3D luminance, View 1

