

Installation : In the shade of streetlight

Project number :
Customer : Camden Council
Processed by : Jack Wates
Date : 20.09.2024

Project description:
For info only
Projectors are at full output with no gobos/light masking nor dimming factored in
Maintenance factor used = 1
Floor reflectance assumed = 40%
Wall reflectance assumed = 37%

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 : In the shade of streetlight
Project number :
Date : 20.09.2024

RELUX®

1 Luminaire data

1.1 ROSCO, ROSCO 5500 1058-QL23-S02 (1058-QL23-S02)

1.1.1 Data sheet

Manufacturer: ROSCO

1058-QL23-S02 ROSCO 5500 1058-QL23-S02

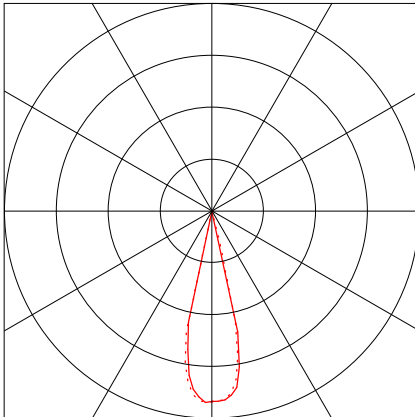
Luminaire data

Luminaire efficiency : 99.9%
Luminaire efficacy : 42.79 lm/W
Classification : A80 ↓100.0% ↑0.0%
CIE Flux Codes : 100 100 100 100 100
UGR 4H 8H : <10.0 / <10.0
Power : 54 W
Luminous flux : 2310.7 lm

Equipped with

Quantity : 1
Designation : Unknown
Colour :
Luminous flux : 2313 lm

Dimensions : Ø38 mm x 1 mm



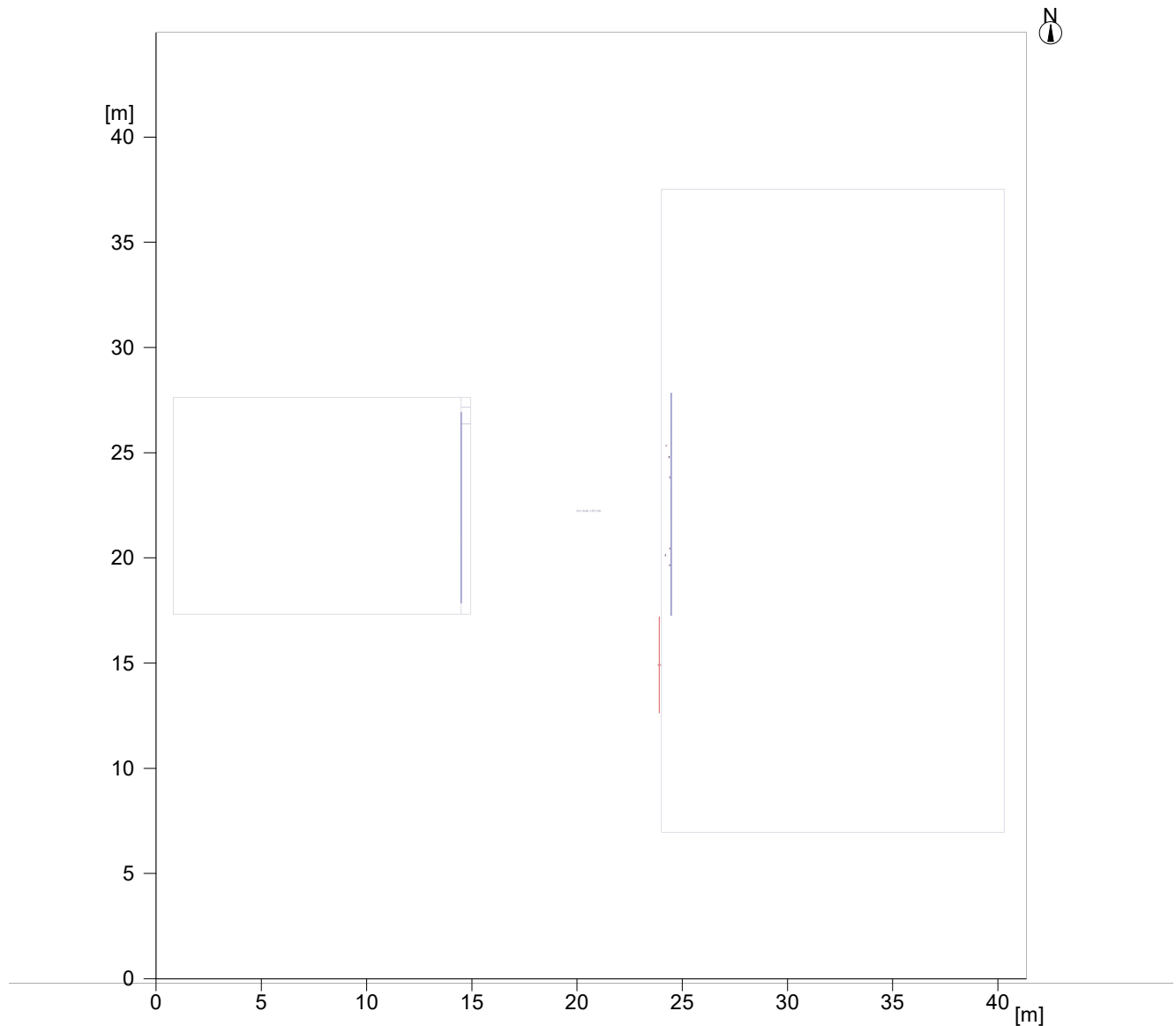
Object :
Installation : In the shade of streetlight
Project number :
Date : 20.09.2024

RELUX®

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Floor plan



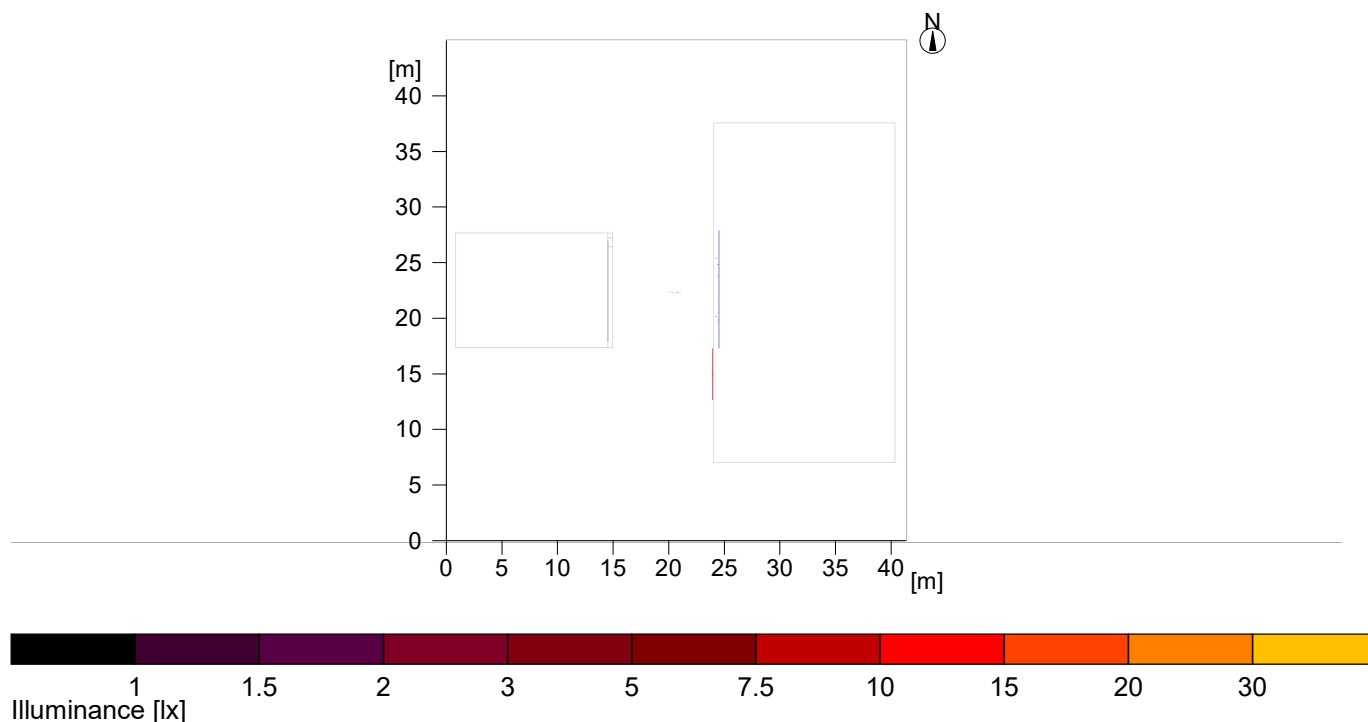
Object :
Installation : In the shade of streetlight
Project number :
Date : 20.09.2024



2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Measuring area 1



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
1.00

Total luminous flux of all lamps
Total power
Total power per area (1857.89 m²)

13878 lm
324 W
0.17 W/m²

Illuminance

Average illuminance	Em	5.74 lx
Minimum illuminance	Emin	2.81 lx
Maximum illuminance	Emax	8.99 lx
Uniformity U _o	Emin/Em	1:2.05 (0.49)
Diversity U _d	Emin/Emax	1:3.2 (0.31)

Type No.\Make

1	6	ROSCO
		Order No. : 1058-QL23-S02
		Luminaire name : ROSCO 5500 1058-QL23-S02
		Equipment : 1 x Unknown 54 W / 2313 lm



Object :
Installation : In the shade of streetlight
Project number :
Date : 20.09.2024



2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, Measuring area 1 (E)

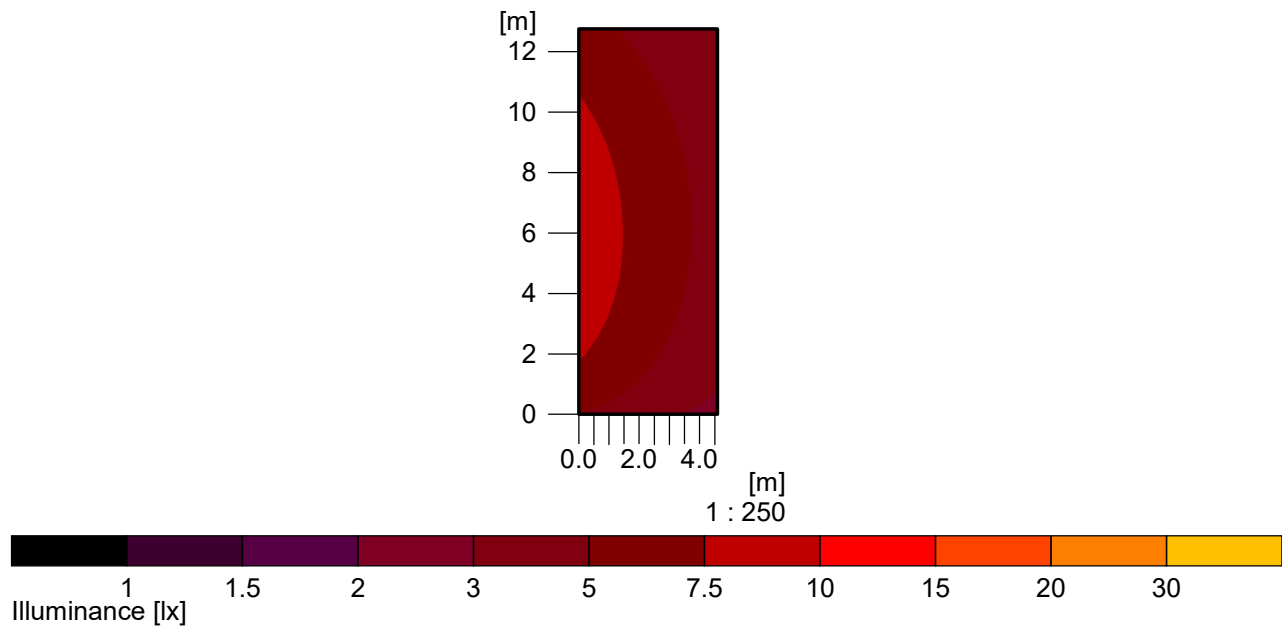
[m]	5.88	5.47	5.06	4.66	4.27	3.9	3.55	3.22
	6.32	5.87	5.42	4.98	4.55	4.14	3.76	3.41
12	6.74	6.25	5.76	5.28	4.82	4.38	3.97	3.59
	7.15	6.62	6.09	5.57	5.08	4.6	4.16	3.75
10	7.53	6.96	6.4	5.84	5.31	4.81	4.34	3.91
	7.87	7.27	6.67	6.09	5.53	5	4.51	4.05
8	8.18	7.55	6.92	6.31	5.72	5.17	4.65	4.18
	8.44	7.78	7.13	6.49	5.88	5.31	4.77	4.28
6	8.66	7.97	7.3	6.64	6.01	5.42	4.87	4.36
	8.82	8.12	7.42	6.75	6.11	5.5	4.93	4.41
4	8.93	8.22	7.51	6.82	6.16	5.55	4.97	4.45
	[8.99]	8.26	7.54	6.85	6.18	5.56	4.98	4.45
2	[8.99]	8.25	7.53	6.83	6.16	5.54	4.96	4.43
	8.93	8.19	7.47	6.77	6.1	5.48	4.9	4.37
0.5	8.8	8.07	7.35	6.66	6	5.38	4.81	4.29
	8.61	7.88	7.17	6.48	5.83	5.24	4.68	4.17
1.0	8.31	7.6	6.92	6.26	5.63	5.04	4.51	4.02
	7.93	7.26	6.6	5.97	5.37	4.81	4.3	3.85
1.5	7.46	6.83	6.21	5.62	5.06	4.54	4.07	3.63
	6.88	6.31	5.75	5.21	4.7	4.23	3.8	3.4
2.0	6.21	5.7	5.2	4.74	4.31	3.89	3.49	3.13
	5.37	4.94	4.54	4.17	3.82	3.45	3.11	(2.81)
</								

Object :
Installation : In the shade of streetlight
Project number :
Date : 20.09.2024

RELUX®

2.3 Calculation results, Exterior 1

2.3.2 Pseudo colours, Measuring area 1 (E)



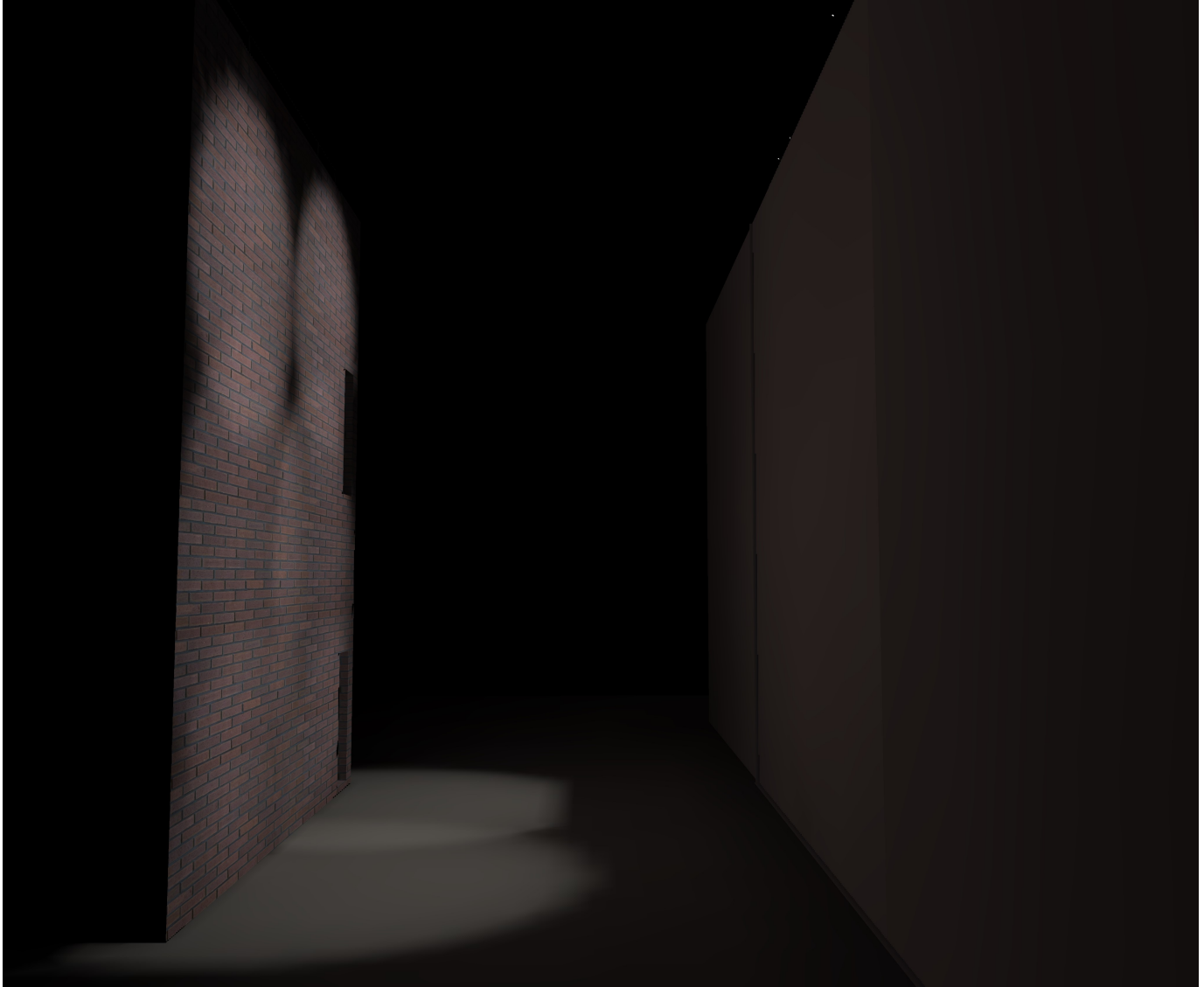
Average illuminance	Em	: 5.74 lx
Minimum illuminance	Emin	: 2.81 lx
Maximum illuminance	Emax	: 8.99 lx
Uniformity Uo	Emin/Em	: 1 : 2.05 (0.49)
Diversity Ud	Emin/Emax	: 1 : 3.20 (0.31)

Object :
Installation : In the shade of streetlight
Project number :
Date : 20.09.2024

RELUX®

2.3 Calculation results, Exterior 1

2.3.3 3D luminance, View 1



Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 23.1 cd/m²

2.3 Calculation results, Exterior 1

2.3.4 3D pseudo colours, View 1 (E)

