Iceland Car Park

Installation :

Project number	:	LD12829 Rev1
Customer	:	Hardings
Processed by	:	
Date	:	06.10.2014

Project description:
** Revised layout as per customer request **

Remove 1/2 wall packs around building.

Move columns to the centre of the car park.

Showing lighting levels around the area as requested.

Vertical Measuring plane added to the left of the car park, 4m high.

Exterior 2 shows the left hand fittings angled down to 25 degrees as requested.

The following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergences can occur.

Guarantee claims for luminaire data are excluded.

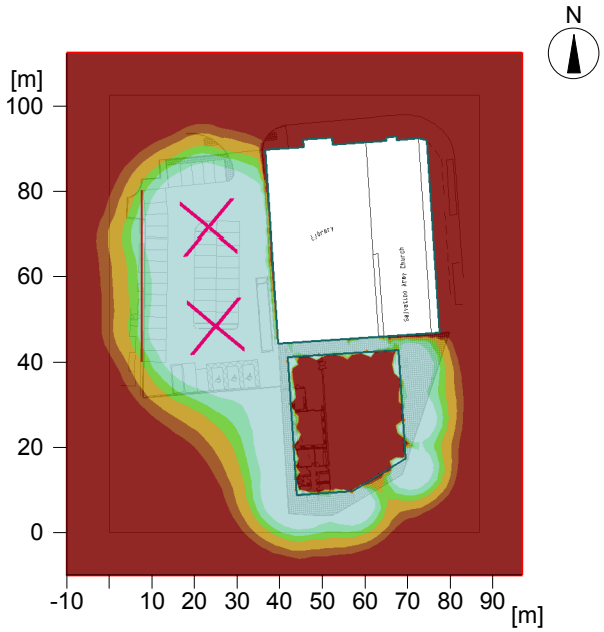
Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

Object : Iceland Car Park
Installation :
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1 Exterior 1

1.1 Summary, Exterior 1

1.1.1 Result overview, Reference plane 1





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.70
Total luminous flux of all lamps	67270 lm
Total power	911 W
Total power per area (13071.08 m²)	0.07 W/m² (2.70 W/m²/100lx)

Illuminance

Average illuminance	Eav	2.6 lx
Minimum illuminance	Emin	0 lx
Maximum illuminance	Emax	50 lx
Uniformity g1	Emin/Em	1:--- (---)
Uniformity g2	Emin/Emax	1:--- (---)

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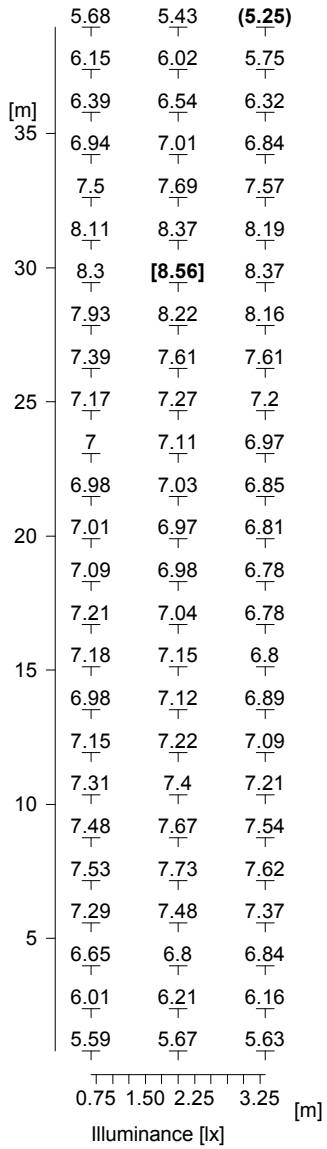
3 11
Order No. : !NBX2700/LED
Luminaire name : NBX2700/LED
Equipment : 1 x LED PANEL 0 W / 2450 lm

4 8
Order No. : !NOL70/LED
Luminaire name : NOL70/LED
Equipment : 1 x 70W LED MODULE 0 W / 5040 lm

1 Exterior 1

1.2 Calculation results, Exterior 1

1.2.1 Table, Vertical Plane (E)

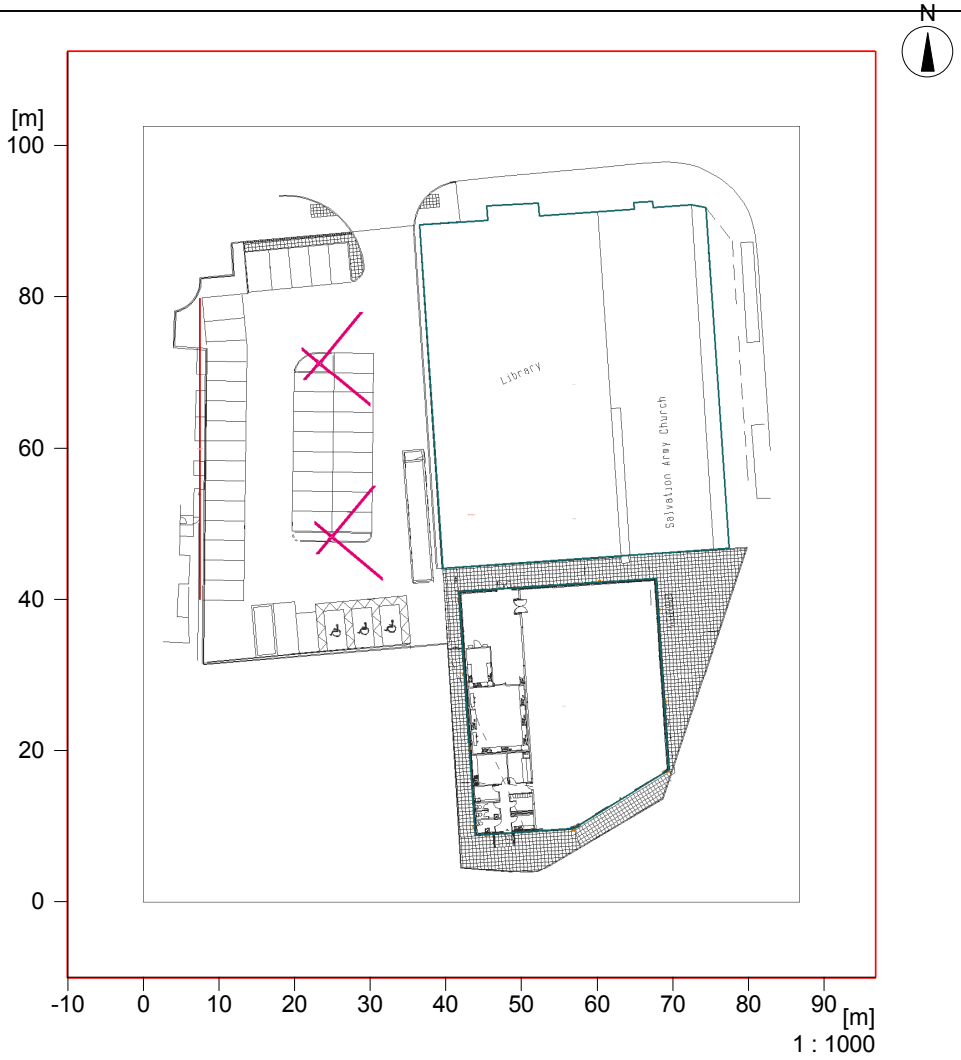


Average illuminance	Eav	: 7.05 lx
Minimum illuminance	Emin	: 5.25 lx
Maximum illuminance	Emax	: 8.56 lx
Uniformity g1	Emin/Eav	: 1 : 1.34 (0.74)
Uniformity g2	Emin/Emax	: 1 : 1.63 (0.61)

2 Exterior 2

2.1 Description, Exterior 2

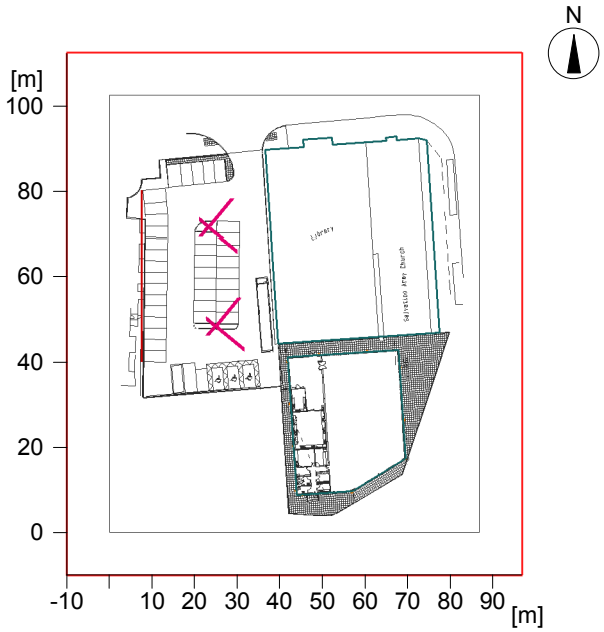
2.1.1 Floor plan



2 Exterior 2

2.2 Summary, Exterior 2

2.2.1 Result overview, Vertical Plane





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.70
Total luminous flux of all lamps	67270 lm
Total power	911 W
Total power per area (13071.08 m²)	0.07 W/m²

Illuminance

Average illuminance	Eav	3.77 lx
Minimum illuminance	Emin	2.47 lx
Maximum illuminance	Emax	5.2 lx
Uniformity g1	Emin/Em	1:1.53 (0.65)
Uniformity g2	Emin/Emax	1:2.11 (0.47)

NVC Lighting Ltd

3 11 Order No. : !NBX2700/LED
Luminaire name : NBX2700/LED
Equipment : 1 x LED PANEL 0 W / 2450 lm

4 8 Order No. : !NOL70/LED
Luminaire name : NOL70/LED
Equipment : 1 x 70W LED MODULE 0 W / 5040 lm

2 Exterior 2

2.3 Calculation results, Exterior 2

2.3.1 Table, Vertical Plane (E)

[m]	0.75	1.75	2.75
35	**(2.47)**	2.75	2.89
	2.75	3.15	3.32
	3.04	3.53	3.78
	3.28	3.87	4.28
	3.44	4.2	4.74
	3.58	4.38	5.11
30	3.67	4.41	**[5.2]**
	3.61	4.33	4.88
	3.47	4.14	4.56
25	3.34	3.88	4.29
	3.24	3.7	4.05
	3.15	3.58	3.87
20	3.12	3.5	3.76
	3.15	3.51	3.72
	3.21	3.56	3.76
15	3.27	3.66	3.88
	3.36	3.79	4.02
	3.54	4	4.31
10	3.57	4.11	4.52
	3.6	4.14	4.67
	3.59	4.14	4.76
5	3.58	4.06	4.56
	3.43	3.89	4.27
	3.26	3.66	3.95
	3.08	3.4	3.64

[m]

Illuminance [lx]

Average illuminance	Eav	: 3.77 lx
Minimum illuminance	Emin	: 2.47 lx
Maximum illuminance	Emax	: 5.2 lx
Uniformity g1	Emin/Eav	: 1 : 1.53 (0.65)
Uniformity g2	Emin/Emax	: 1 : 2.11 (0.47)