



Holybourne Road

Installation : Explorer RL

Project number : Email

Customer : City Electrical Factors Portsmouth

Processed by : Nick Cadman

Date : 20.06.2016

Project description:
>Sample calculation.

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.



1 Luminaire data

1.1 Tamlite, EXPLORER RL (EXPRL102/NW)

1.1.1 Data sheet

Manufacturer: Tamlite



EXPRL102/NW Roadway Lanterns EXPLORER RL
High efficiency LED street lantern

Luminaire data

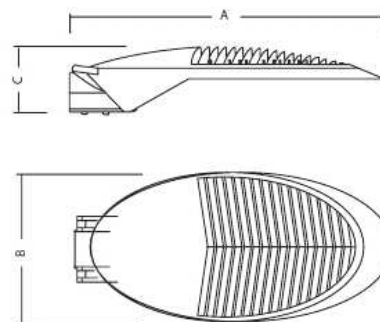
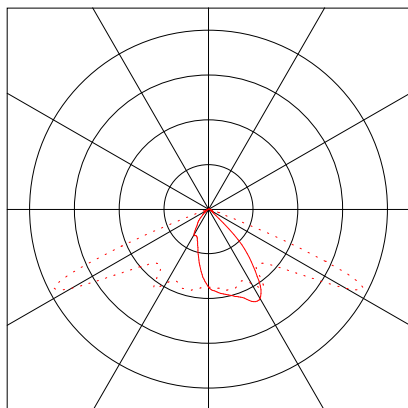
Absolute Photometry

Luminaire efficacy : 100 lm/W
Classification : A50 ↓100.0% ↑0.0%
CIE Flux Codes : 49 84 100 100 100
UGR 4H 8H : 22.0 / 30.6
Control gear : LED Driver
Power : 31 W
Luminous flux : 3100 lm

Equipped with

Quantity : 1
Designation : LED
Colour :
Socket : N/A

Dimensions : 303 mm x 644 mm x 132 mm

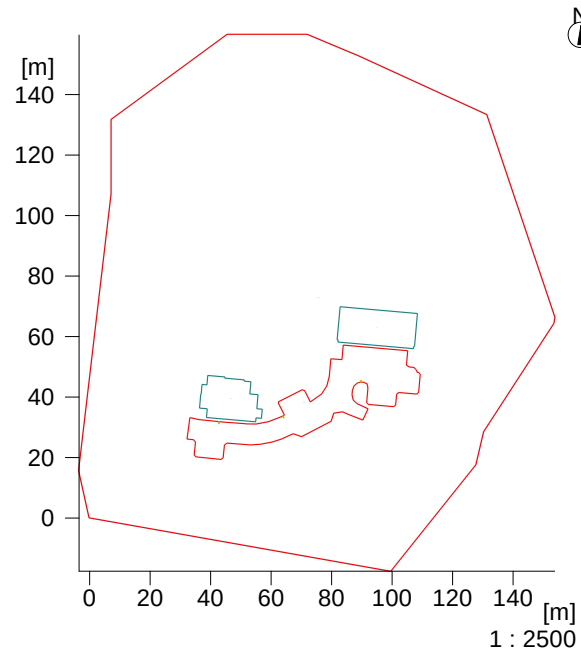




2 Whole Site

2.1 Description, Whole Site

2.1.1 Floor plan

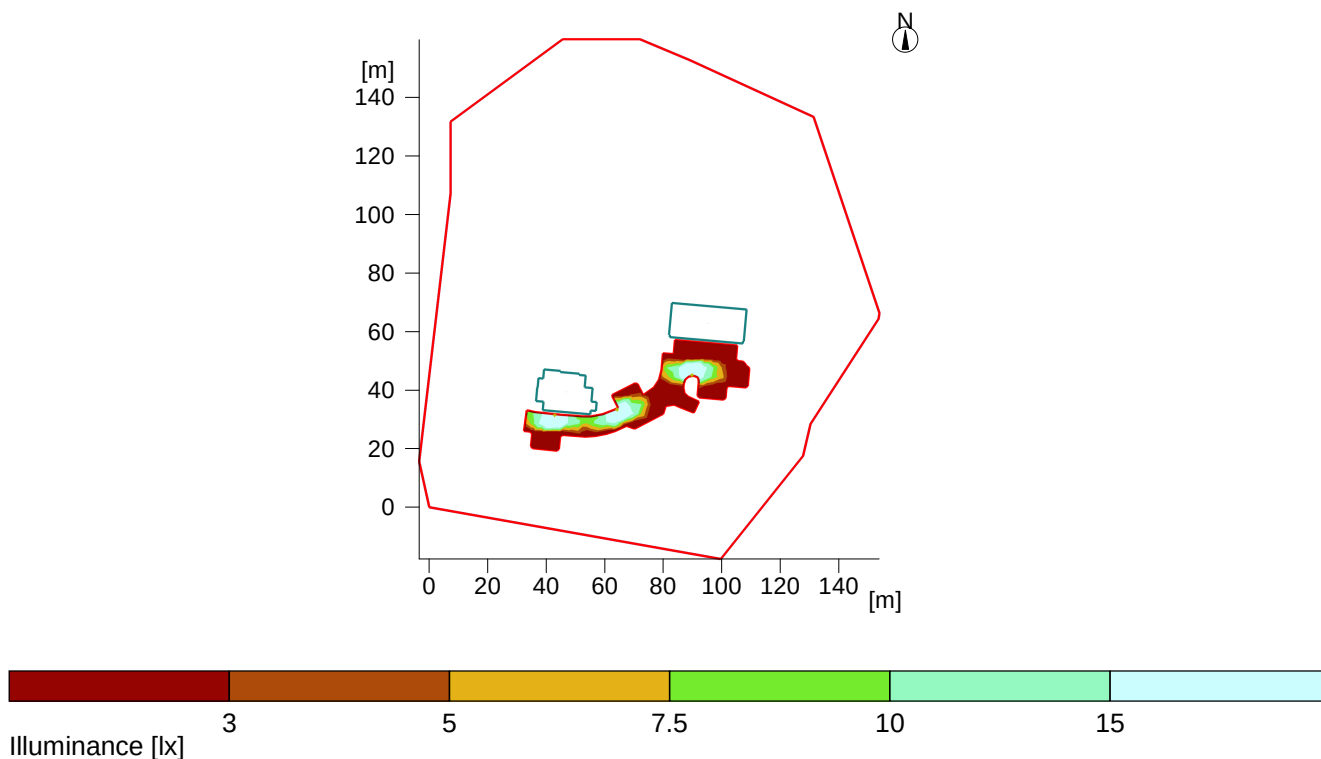




2 Whole Site

2.2 Summary, Whole Site

2.2.1 Result overview, Car Park & Road



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
photometric centre height. [m]:	5.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	9300 lm
Total power	93 W
Total power per area (21090.96 m²)	0.00 W/m²

Illuminance

Average illuminance	Eav	6.3 lx
Minimum illuminance	Emin	0 lx
Maximum illuminance	Emax	33.5 lx
Uniformity Uo	Emin/Em	1:180 (0.01)
Diversity Ud	Emin/Emax	1:959 (0)

Type No. \Make

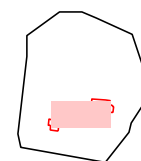
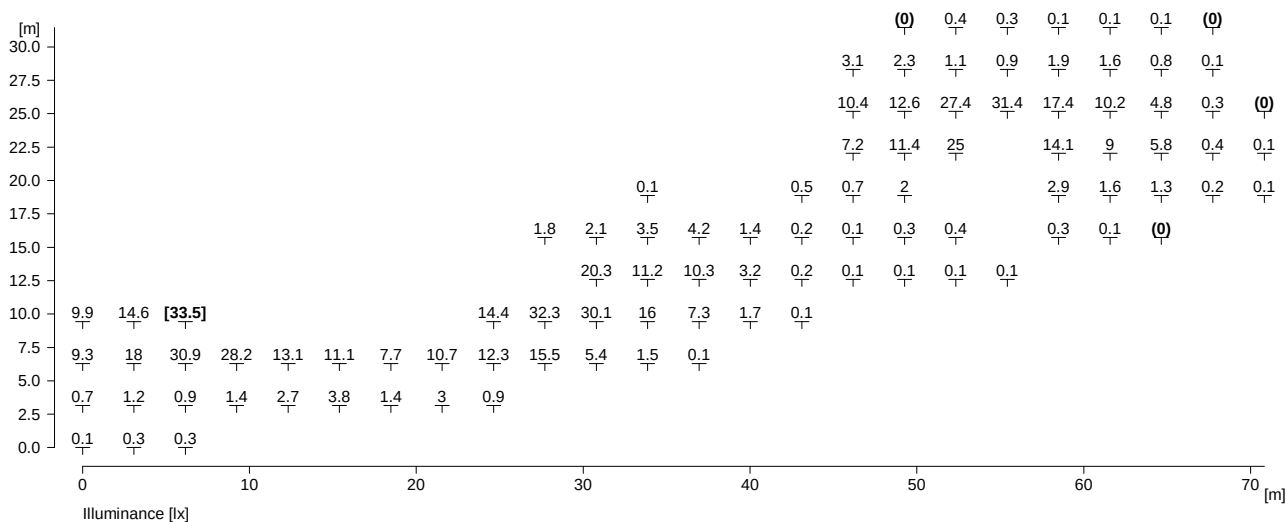
1	3	Tamlite
		Order No. : EXPRL102/NW
		Luminaire name : EXPLORER RL
		Equipment : 1 x LED 31 W / 3100 lm



2 Whole Site

2.3 Calculation results, Whole Site

2.3.1 Table, Car Park & Road (E)



Height of the reference plane

Average illuminance	Eav	: 0.00 m
Minimum illuminance	Emin	: 6.3 lx
Maximum illuminance	Emax	: 0 lx
Uniformity Uo	Emin/Eav	: 33.5 lx
Diversity Ud	Emin/Emax	: 1 : 180.04 (0.01)
		: 1 : 959.49 (0.00)