

Installation : Errigal Heights

Project number :

Customer : Cork Coco

Processed by : Gary Grant

Date : 14.05.2021

Project description:
Street Lighting Layout

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 : Errigal Heights
Project number :
Date : 14.05.2021

1 Luminaire data

1.1 Philips Lighting, BRP102 T25 1 xLED55/740 DM ()

1.1.1 Data sheet

Manufacturer: Philips Lighting

other BRP102 T25 1 xLED55/740 DM

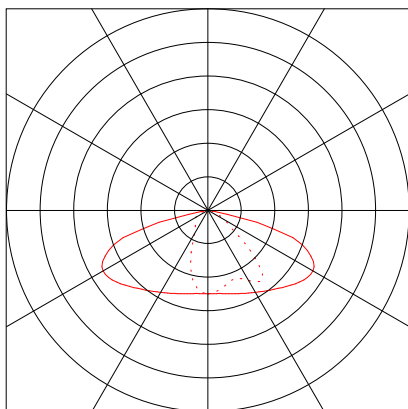
Luminaire data

Luminaire efficiency : 88%
Luminaire efficacy : 121.85 lm/W
Classification : A30 ↓100.0% ↑0.0%
CIE Flux Codes : 39 75 98 100 88
Glare : G*3 / D6
Power : 39 W
Luminous flux : 4752 lm

Equipped with

Quantity : 1
Designation : LED55/740/-
Colour : -
Luminous flux : 5400 lm

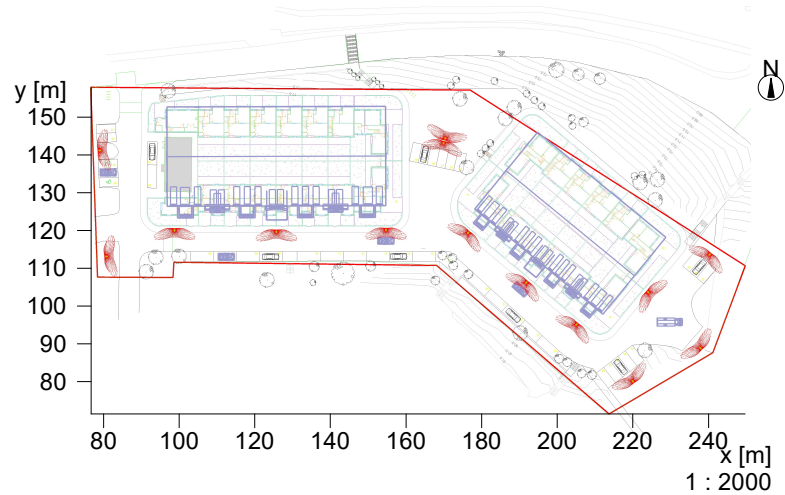
Dimensions : 490 mm x 215 mm x 65 mm



2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Floor plan

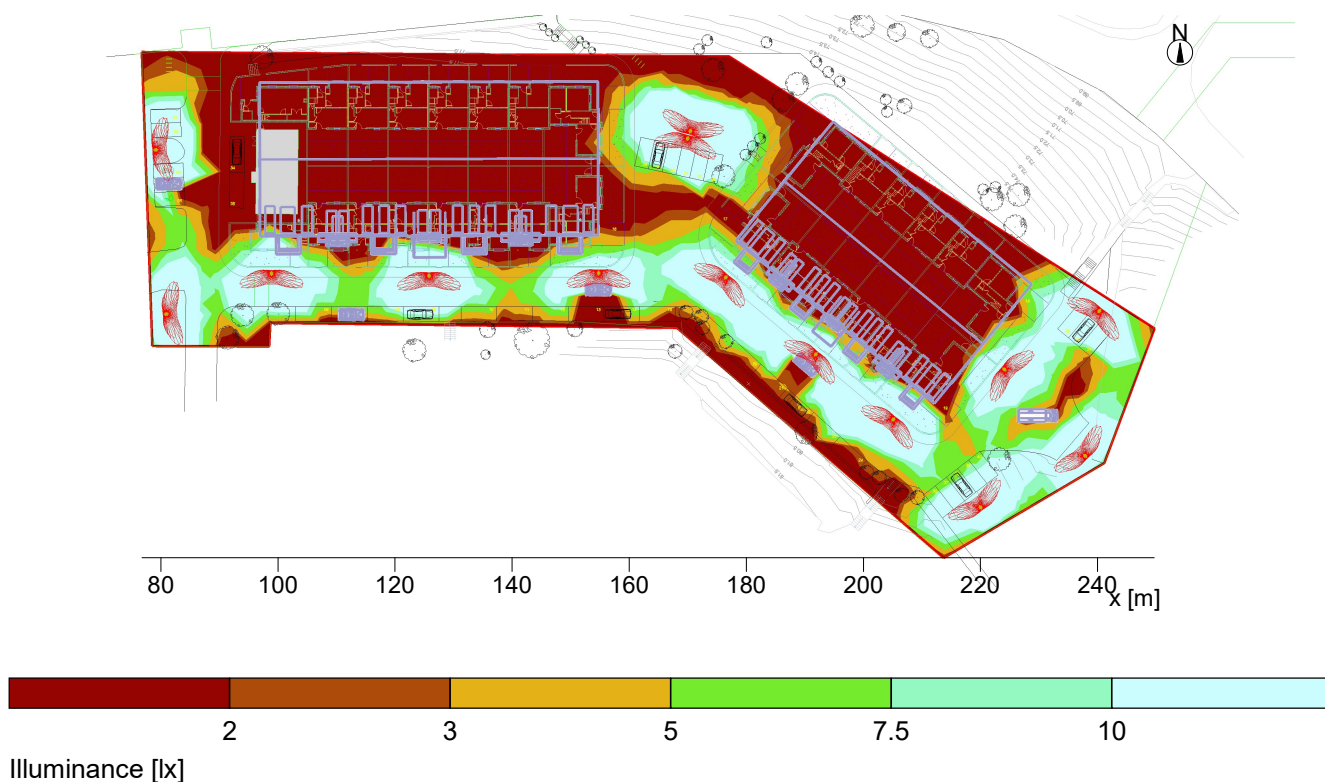


Object :
Installation : Errigal Heights
Project number :
Date : 14.05.2021

2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used
Height (phot centre)
Maintenance factor

Average indirect fraction
4.97 m
0.80

Total luminous flux of all lamps
Total power
Total power per area (8196.40 m²)

75600.00 lm
546.0 W
0.07 W/m² (1.18 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

Horizontal
Em
Emin
Emin/Em (Uo)
Emin/Emax (Ud)
Position

5.64 lx
0 lx

0.00 m

Type No. Make

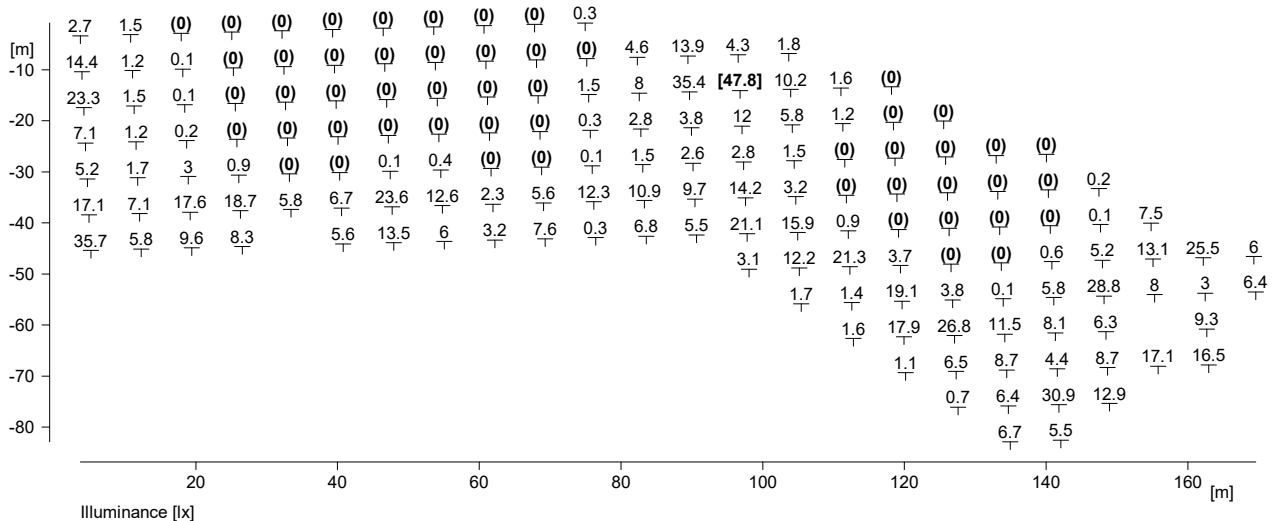
1 14
Philips Lighting
Order No. :
Luminaire name : BRP102 T25 1 xLED55/740 DM
Equipment : 1 x LED55/740/- 39 W / 5400 lm

Object :
Installation : Errigal Heights
Project number :
Date : 14.05.2021

2 Exterior 1

2.3 Calculation results, Exterior 1

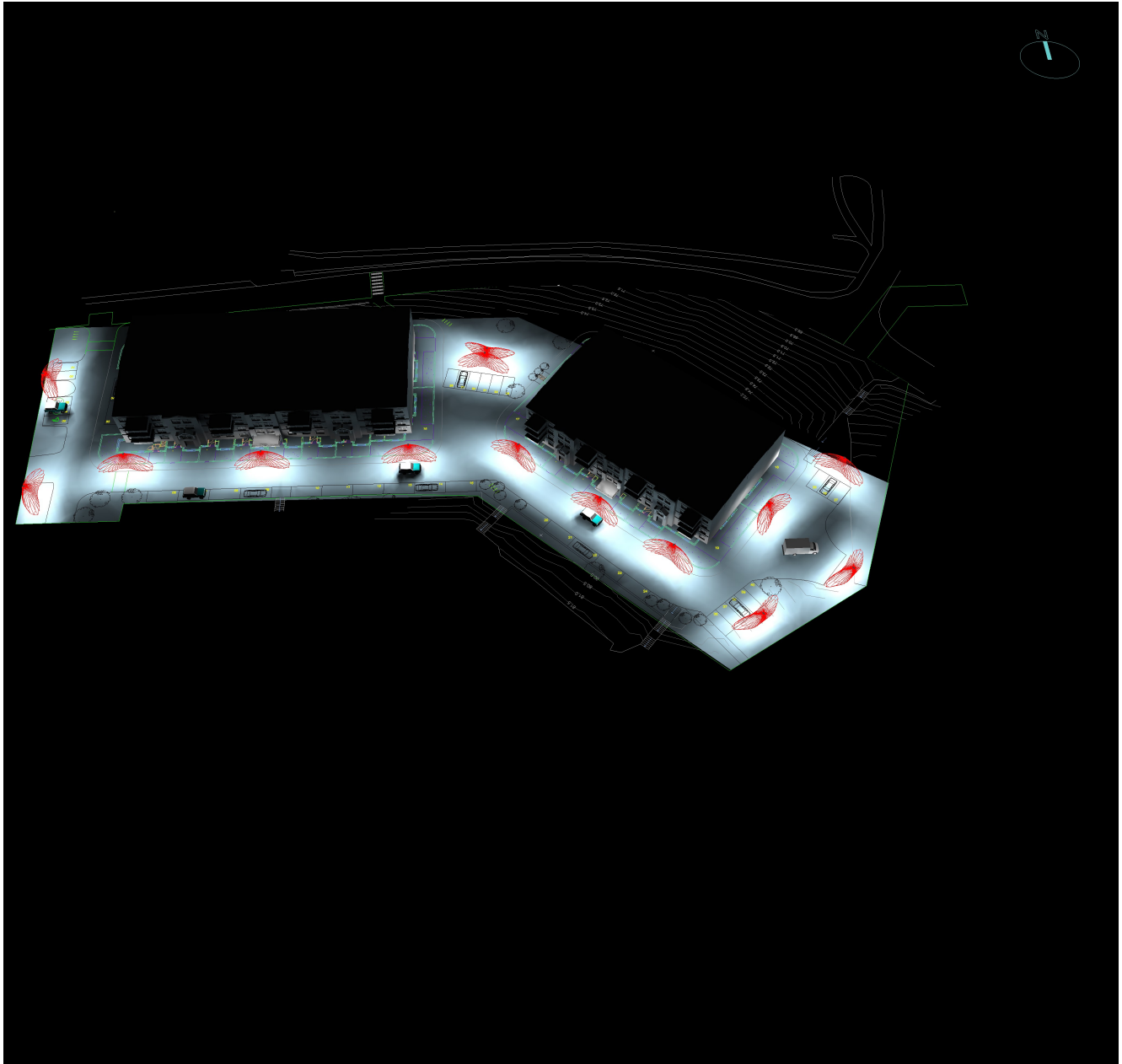
2.3.1 Table, Reference plane 1.1 (E)



Height reference plane : 0.00 m
Average illuminance Em : 5.6 lx
Minimum illuminance Emin : 0 lx
Maximum illuminance Emax : 47.8 lx
Uniformity Uo Emin/Em : ---
Diversity Ud Emin/Emax : ---

2.3 Calculation results, Exterior 1

2.3.2 3D luminance, View 1



2.3 Calculation results, Exterior 1

2.3.3 3D pseudo colours, View 1 (L)

