

External Courtyard Lighting

Installation : Randalls Uxbridge

Project number : R2

Customer : Design MEP

Processed by : Paul Cook @ iGuzzini UK

Date : 09.02.2021

Project description:
R2 09.02.2021

Opportunity 006519-00010

Courtyard
21.3 lux 0.30 Uniformity

Bike Store
26.9 lux 0.22 Uniformity

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 Exterior 1

1.1 Description, Exterior 1

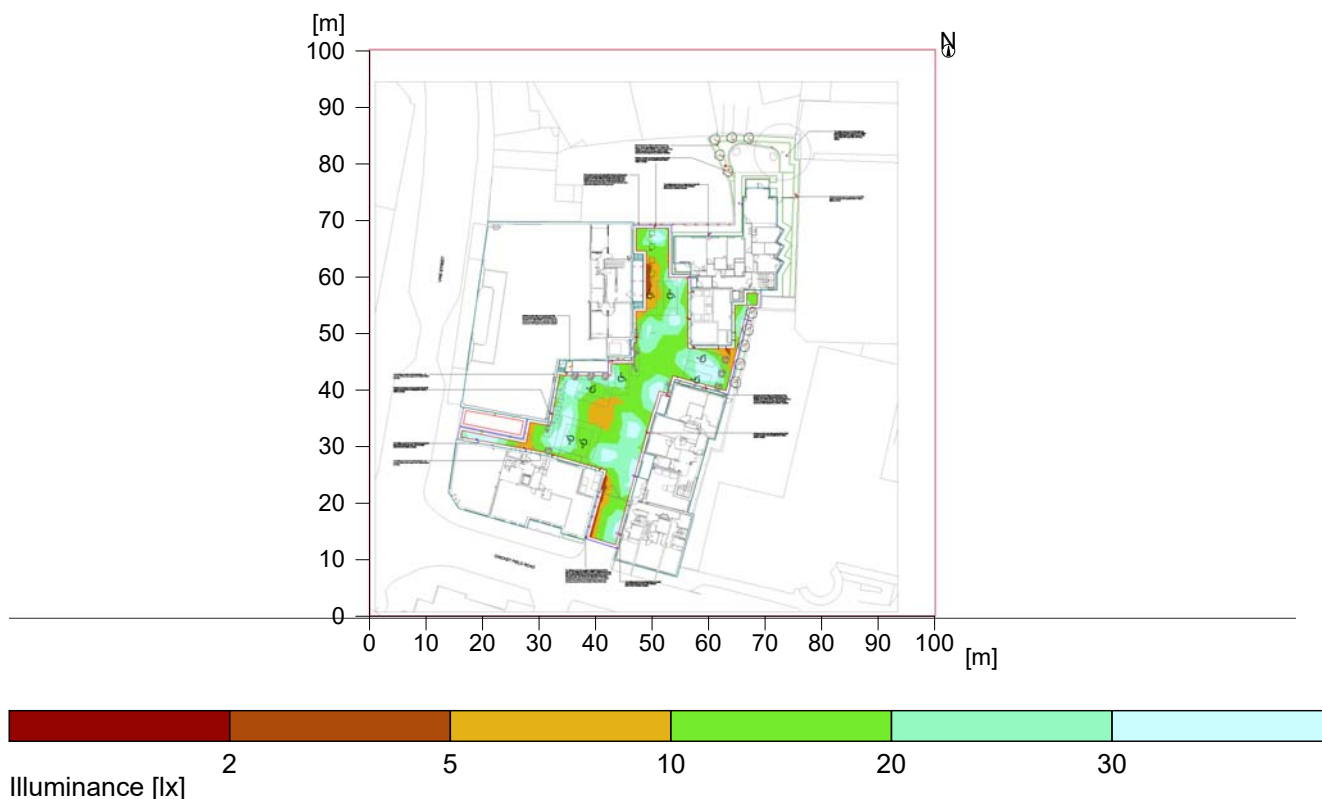
1.1.1 Floor plan



1 Exterior 1

1.2 Summary, Exterior 1

1.2.1 Result overview, Courtyard



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Total luminous flux of all lamps

22280 lm

Total power

268.8 W

Total power per area (757.76 m²)

0.35 W/m² (1.67 W/m²/100lx)

Courtyard

Reference plane 2.1

Horizontal
 Em 21.3 lx
 Emin 6.3 lx
 Emin/Eav (Uo) 0.30
 Emin/Emax (Ud) 0.13
 Position 0.00 m

Type No. \ Make

iGuzzini illuminazione S.p.A/Lab/Ver. 03/18

1	2	Order No.	: IBV23_B56J
		Luminaire name	: iTeka: Pole-mounted floodlight - Warm White - ST1-DALI street optic - 23.8W 24
		Equipment	: 1 x LED / 20W 16.8 W / 1490 lm

2	13	Order No.	: IBV25_B58J
		Luminaire name	: iTeka: Pole-mounted floodlight - Warm White - A45C-DALI asymmetrical, comfort
		Equipment	: 1 x LED / 20W 16.8 W / 1370 lm

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1 Exterior 1

1.2 Summary, Exterior 1

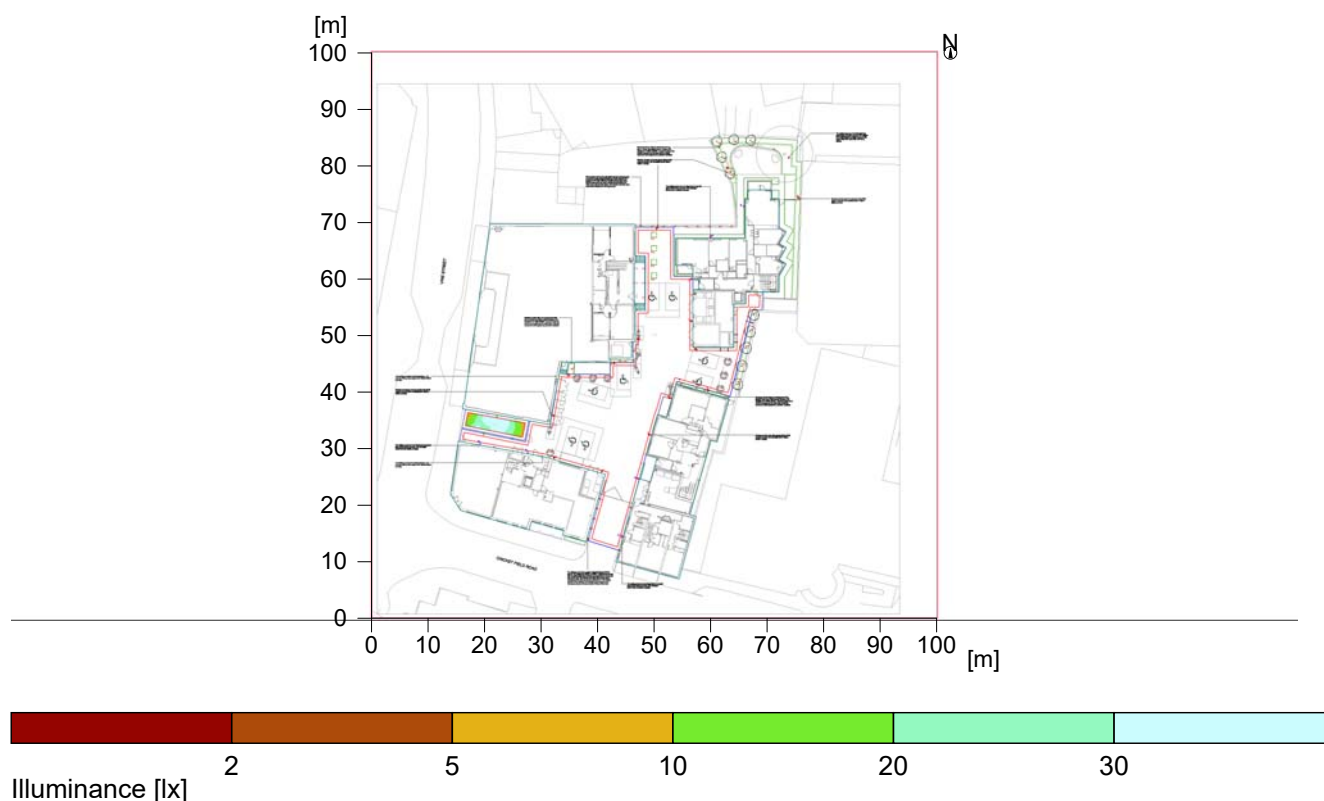
1.2.1 Result overview, Courtyard

3	1	Order No.	: IBV15_B49J
		Luminaire name	: iTeka: Wall-mounted floodlight - ST1C comfort street optic - 23.8W 2280lm - 30
		Equipment	: 1 x LED / 20W 16.8 W / 1490 lm



1.2 Summary, Exterior 1

1.2.2 Result overview, Bike Store



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Total luminous flux of all lamps
 Total power
 Total power per area (39.23 m²)

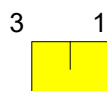
1490 lm
 16.8 W
 0.43 W/m² (1.59 W/m²/100lx)

Bike Store

Reference plane 3.1

Horizontal
 E_m 26.9 lx
 E_{min} 5.9 lx
 E_{min}/E_{av} (U_o) 0.22
 E_{min}/E_{max} (U_d) 0.11
 Position 0.00 m

Type No. \ Make



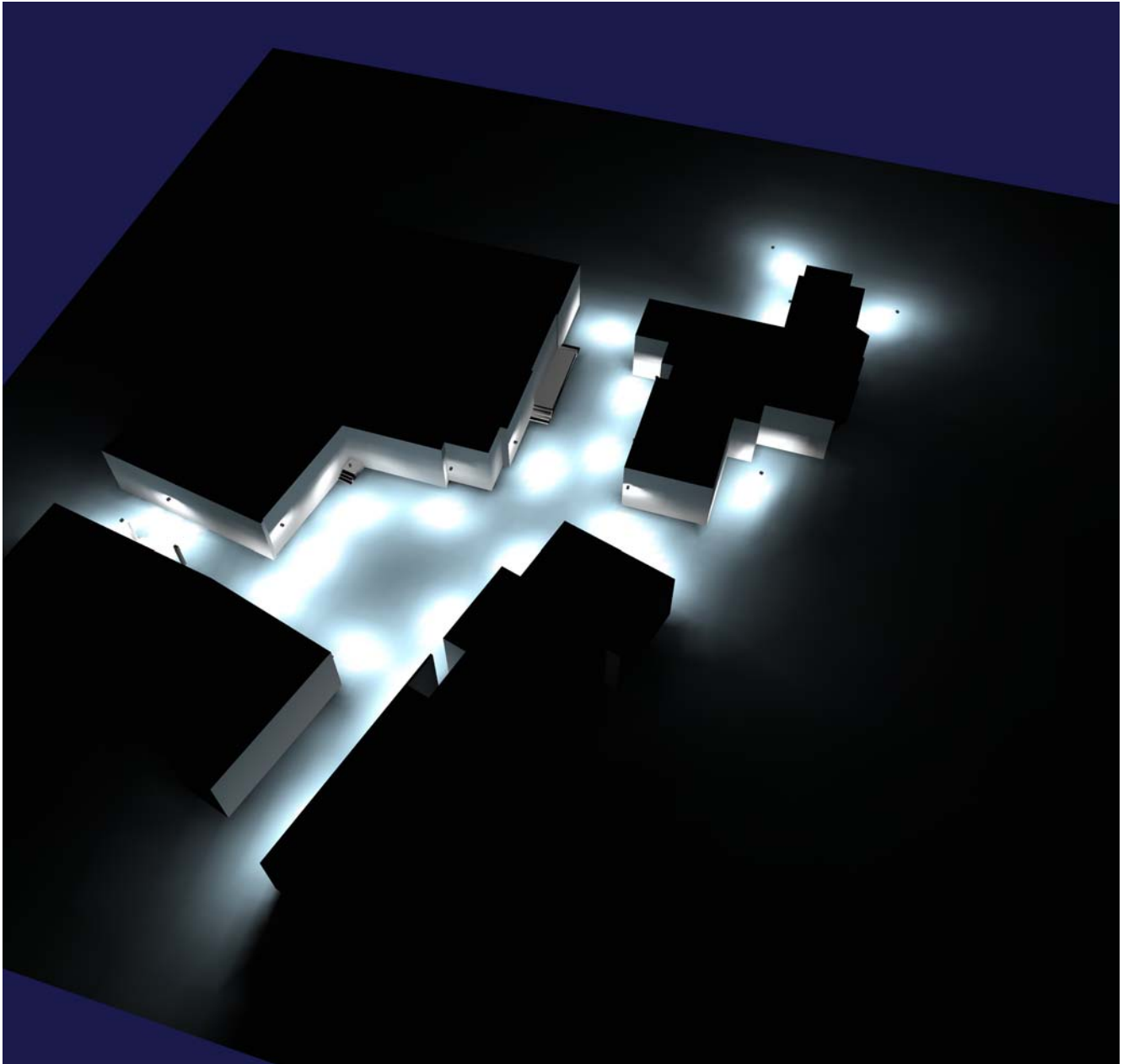
iGuzzini illuminazione S.p.A/Lab/Ver. 03/18

Order No. : IBV15_B49J
 Luminaire name : iTeka: Wall-mounted floodlight - ST1C comfort street optic
 - 23.8W 2280lm - 30
 Equipment : 1 x LED / 20W 16.8 W / 1490 lm

1 Exterior 1

1.3 Calculation results, Exterior 1

1.3.1 3D luminance, View 1



Luminance in the scene

Minimum: : 0 cd/m²
Maximum: : 43.7 cd/m²

1.3 Calculation results, Exterior 1

1.3.2 3D pseudo colours, View 1 (E)

