

DATE: 15 August 2023
DESIGNER: Ronan Meally
PROJECT No: 23K20
PROJECT NAME: 101 & 102 HOLLYVILLE



PUBLIC LIGHTING DESIGNED TO IS EN 13201:2015 CLASS P4

Outdoor Lighting Report

PREPARED BY: Ronan Meally Consulting Engineers
1 Clty Wall
James Street
Kilkenny

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 565074.4m x 572389.6m
Area 75.6m x 51.3m
Sample Spacing 1.48m x 1.47m

Luminaires



Luminaire A Data

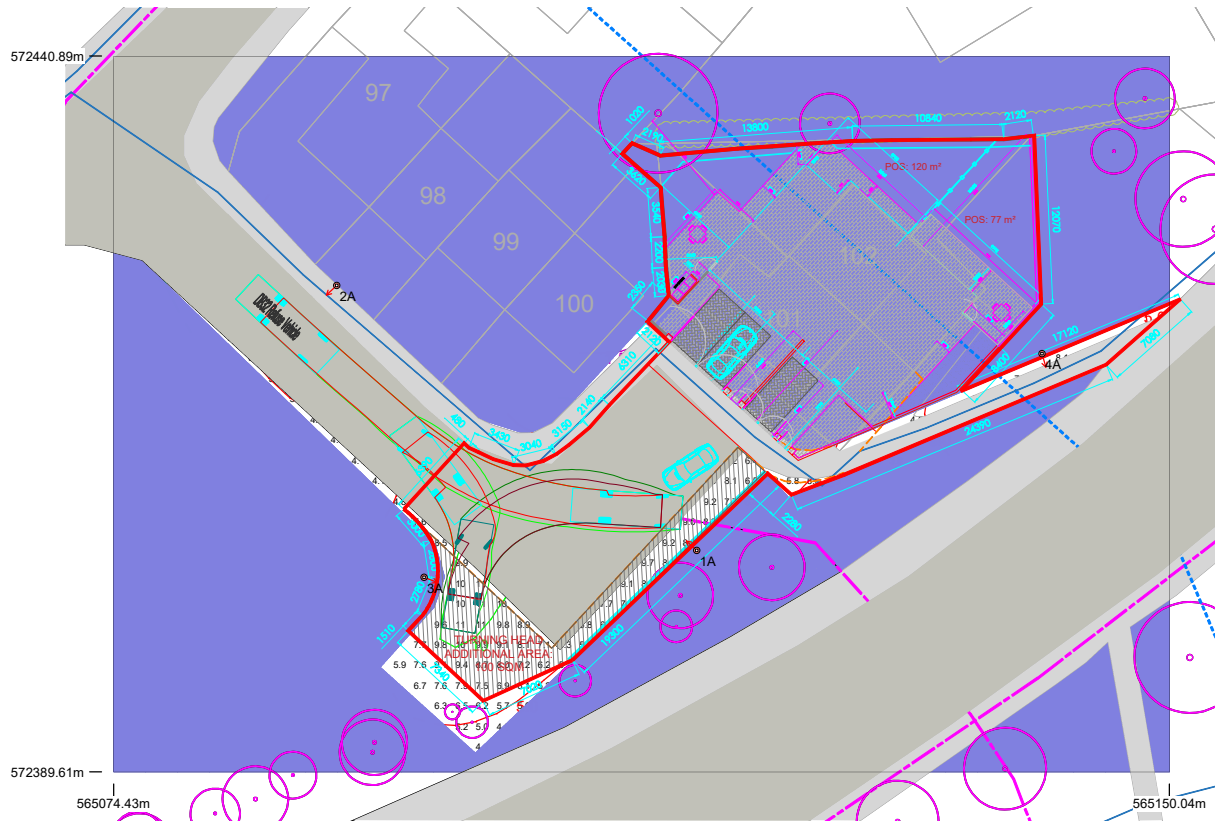
| | |
|----------------------|---|
| Supplier | Philips |
| Type | BGP291 DW50 |
| Lamp(s) | LED-HB 5.2S 730 |
| Lamp Flux (klm) | 4.20 |
| File Name | LumiStreet Gen2 Micro_BGP291_DW50_420 0_20LED_5.2S_CLO_L90_730.ies |
| Maintenance Factor | 0.76 |
| Imax70,80,90(cd/klm) | 609.4, 39.0, 0.0 |
| No. in Project | 4 |

Layout

| ID | Type | X | Y | Height | Angle | Tilt | Cant | Out-reach | Target X | Target Y | Target Z |
|----|------|-----------|-----------|--------|--------|------|------|-----------|----------|----------|----------|
| 1 | A | 565116.18 | 572405.50 | 6.00 | 138.00 | 0.00 | 0.00 | 0.00 | | | |
| 2 | A | 565090.39 | 572424.45 | 6.00 | 223.00 | 0.00 | 0.00 | 0.00 | | | |
| 3 | A | 565096.67 | 572403.56 | 6.00 | 339.00 | 0.00 | 0.00 | 0.00 | | | |
| 4 | A | 565140.89 | 572419.58 | 6.00 | 286.00 | 0.00 | 0.00 | 0.00 | | | |

Horizontal Illuminance (lux)

Grid 1



Results

| | |
|-----------|-------|
| Eav | 6.82 |
| Emin | 1.14 |
| Emax | 11.12 |
| Emin/Emax | 0.10 |
| Emin/Eav | 0.17 |
| | |