

DATE: 21 June 2024
DESIGNER: D.Larkin
PROJECT No: LCC-2024-R2
PROJECT NAME: R204, Tullyheights Rd, Ballinamore



Notes:
5 No. 6m Oct Steel Columns (New 7-11)
5 No. Lum A
1 No. MP/NC4 (Taken off WP-11341)
5 No. Lum B
Upgrade 4 No. PLs on Network Poles (PLs 3 & 6)
2 No. IBs
5 No. 1m Ext Brackets (4 on Network Poles & 1 on PL2)
Ignore Lum E
TM
Cables & Accessories
Civils by Others

Outdoor Lighting Report

The lighting design has achieved the following Lighting Standards:
P3= IS EN13201-2:2015/BS5489-1:2020

“Electric Skyline confirms that this Design complies with relevant Lighting Standards. However as the Design was prepared on a Desktop basis, Electric Skyline assumes no responsibility or liability for any errors or omissions which may occur due to varying conditions on the Project site. This Design is provided on a provisional basis only, with no guarantees of completeness or accuracy until on-site surveys are completed by associated Contractors and all Safety Rules and Codes of Practice have been taken into consideration.”

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Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

| ID | Grid Name | X | Y | X' Length | Y' Length | X' Spacing | Y' Spacing |
|----|-----------|-----------|-----------|-----------|-----------|------------|------------|
| 1 | Grid 1 | 612880.28 | 811107.50 | 104.79 | 160.03 | 1.50 | 1.50 |
| 2 | Grid 2 | 612833.96 | 810947.14 | 104.79 | 160.03 | 1.50 | 1.50 |

Luminaires

Luminaire A Data



| | |
|----------------------|---|
| Supplier | Urbis Schreder |
| Type | AXIA 3 EVO 1 5266 16 OSLO SQUARE GIANT@700mA WW 730 230V 02-53 |
| Lamp(s) | 16 OSLO SQUARE GIANT@700mA WW 730 230V 02-53-573 [CJOIO4STDA] |
| Lamp Flux (klm) | 4.35 |
| File Name | AXIA 3 EVO 1 5266 16 OSLO SQUARE GIANT 700mA WW 730 35.9W 7x4 III-Me... |
| Maintenance Factor | 0.80 |
| Imax70,80,90(cd/klm) | 1081.8, 207.1, 0.0 |
| No. in Project | 5 |

Luminaire B Data



| | |
|----------------------|--|
| Supplier | Urbis Schreder |
| Type | AXIA 3.2 5266 Integrated lenses 32 OSLO N SQUARE GIANT@500mA |
| Lamp(s) | 32 OSLO SQUARE GIANT@500mA WW 730 230V |
| LampFlux(klm)/Colour | 6.71 WW 3000K/70 |
| File Name | AXIA 3.2 5266 32 OSLO SQUARE GIANT T 500mA WW 730 48.5W 430082 Integrat... |
| Maintenance Factor | 0.80 |
| Imax70,80,90(cd/klm) | 1211.8, 139.9, 0.0 |
| No. in Project | 5 |

Luminaire E Data



| | |
|----------------------|--|
| Supplier | Urbis Schreder |
| Type | AXIA 3.1 5266 Integrated lenses 16 OSLO N SQUARE GIANT@700mA |
| Lamp(s) | 16 OSLO SQUARE GIANT@700mA WW 730 230V |
| LampFlux(klm)/Colour | 4.42 WW 3000K/70 |
| File Name | AXIA 3.1 5266 16 OSLO SQUARE GIANT T 700mA WW 730 35.6W 429092 Integrat... |
| Maintenance Factor | 0.80 |
| Imax70,80,90(cd/klm) | 1142.4, 192.6, 0.0 |
| No. in Project | 1 |

Layout

| ID | Type | X | Y | Height | Angle | Tilt | Cant | Out-reach | Target X | Target Y | Target Z |
|--------|------|-----------|-----------|--------|--------|------|------|-----------|----------|----------|----------|
| WP-3 | B | 612959.68 | 811230.40 | 9.00 | 164.00 | 0.00 | 0.00 | 0.35 | | | |
| WP-4 | B | 612944.04 | 811195.79 | 9.00 | 156.00 | 0.00 | 0.00 | 0.35 | | | |
| WP-5 | B | 612923.36 | 811151.99 | 9.00 | 156.00 | 0.00 | 0.00 | 0.35 | | | |
| WP-6 | B | 612908.25 | 811115.26 | 9.00 | 159.00 | 0.00 | 0.00 | 0.35 | | | |
| NEW-7 | A | 612903.05 | 811084.95 | 6.00 | 173.00 | 0.00 | 0.00 | 0.35 | | | |
| NEW-8 | A | 612901.03 | 811052.52 | 6.00 | 175.00 | 0.00 | 0.00 | 0.35 | | | |
| NEW-9 | A | 612899.12 | 811022.02 | 6.00 | 178.00 | 0.00 | 0.00 | 0.35 | | | |
| NEW-10 | A | 612896.58 | 810985.82 | 6.00 | 176.00 | 0.00 | 0.00 | 0.35 | | | |
| NEW-11 | A | 612894.66 | 810951.07 | 6.00 | 179.00 | 0.00 | 0.00 | 0.35 | | | |

Layout Continued

| ID | Type | X | Y | Height | Angle | Tilt | Cant | Out-reach | Target X | Target Y | Target Z |
|----------|------|-----------|-----------|--------|--------|------|------|-----------|----------|----------|----------|
| NN-13336 | E | 612899.04 | 810914.29 | 6.00 | 70.00 | 5.00 | 0.00 | 0.35 | | | |
| NN-2 | B | 612956.07 | 811263.36 | 9.00 | 352.00 | 0.00 | 0.00 | 0.40 | | | |

Horizontal Illuminance (lux)

Grid 1



Results

| | |
|-----------|-------|
| Eav | 9.48 |
| Emin | 2.67 |
| Emax | 24.24 |
| Emin/Emax | 0.11 |
| Emin/Eav | 0.28 |

Horizontal Illuminance (lux)

Grid 2



Results

| | |
|-----------|-------|
| Eav | 9.10 |
| Emin | 2.29 |
| Emax | 33.81 |
| Emin/Emax | 0.07 |
| Emin/Eav | 0.25 |
| | |