



NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTS, STRUCTURAL ENGINEERS, BUILDING SERVICES, SPECIFICATIONS & SCHEDULES.
- ALL DIMENSIONS ARE IN MILLIMETERS.
- THE CONTRACTOR SHALL NOTE THAT THIS DRAWING IS INDICATIVE AND ILLUSTRATES DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DETAILED DESIGN AND COORDINATION WITH OTHER SERVICES.

LEGEND

PUBLIC LIGHTING:

- TYPE A - PUBLIC LIGHTING FITTING CU PHOSCO P82K 3.144m, 27w, 3000K, 8m column
- TYPE B - PUBLIC LIGHTING FITTING CU PHOSCO P82K 2.394m, 20w, 3000K, 6m column
- TYPE C - PUBLIC LIGHTING FITTING CU PHOSCO P863 10.45m, 77w, 4000K, 10m column
- TYPE F - STREET LIGHTING FITTING CREE UNO 1.09km, 10w, 2700K, 5m column
- TYPE G - EXISTING PUBLIC LIGHTING FITTING

Residential Roads

Results - Horizontal Illuminance (lux)
Eav= 5.05
Emin= 1.14
Emax= 18.60
Emin/Emax= 0.06
Emin/Eav= 0.20
Emax/Eav= 3.18

Conflict Zone 2

Results - Horizontal Illuminance (lux)
Eav= 33.25
Emin= 24.69
Emax= 38.18
Emin/Emax= 0.65
Emin/Eav= 0.74
Emax/Eav= 1.15

South Side Pedestrian Route

Results - Horizontal Illuminance (lux)
Eav= 5.42
Emin= 1.18
Emax= 14.22
Emin/Emax= 0.08
Emin/Eav= 0.22
Emax/Eav= 2.82

R149 Road

Results - Horizontal Illuminance (lux)
Eav= 15.02
Emin= 4.19
Emax= 31.68
Emin/Emax= 0.13
Emin/Eav= 0.28
Emax/Eav= 2.11

L1015 Confey Road

Results - Horizontal Illuminance (lux)
Eav= 18.41
Emin= 3.91
Emax= 38.28
Emin/Emax= 0.10
Emin/Eav= 0.21
Emax/Eav= 2.08

Confey Railway Station

Results - Horizontal Illuminance (lux)
Eav= 0.02
Emin= 0.00
Emax= 0.31
Emin/Emax= 0.01
Emin/Eav= 0.12
Emax/Eav= 18.14

Access Road

Results - Horizontal Illuminance (lux)
Eav= 9.00
Emin= 2.84
Emax= 25.32
Emin/Emax= 0.11
Emin/Eav= 0.32
Emax/Eav= 2.81

Conflict Zone 1

Results - Horizontal Illuminance (lux)
Eav= 18.94
Emin= 15.09
Emax= 31.46
Emin/Emax= 0.70
Emin/Eav= 0.80
Emax/Eav= 1.13

PRIVATE LIGHTING:

- TYPE D - BOLLARD TRT LIGHTING VIA ASY 0.41km, 9w, 2700K, 1m
- TYPE E - POST TOP LIGHTING FITTING SCHREDER FLEXIA BRASSO MIDI, 1.52km, 310mA, 2700K, 5m column

Apartments Public Open Space

Results - Horizontal Illuminance (lux)
Eav= 6.55
Emin= 1.57
Emax= 30.76
Emin/Emax= 0.04
Emin/Eav= 0.20
Emax/Eav= 4.42

- Light Shield (to prevent backspill lighting)

The lighting calculation software does not have the capability to accurately model luminaires fitted with light shields. Therefore, the layout lines and calculated lighting levels shown behind the installed shields should be considered as effectively dark, as the shields are intended to prevent backspill into these areas.

Rev	Date	Description	Orig	App
3	15-05-2025	ISSUED FOR PLANNING	AZ	GM
2	05-11-2025	ISSUED FOR PLANNING	AZ	GM
1	25-08-2025	ISSUED FOR PLANNING	AZ	GM
0	11-07-2025	DRAFT	AZ	GM

Client

VANISLAND LIMITED

Project

CONFHEY PHASE 1A LRD

Title

EXTERNAL LIGHTING LAYOUT

Drawing No.

D25007-ZZ-ZZ-DR-EDC-E-70101

RIBA Work Stage

STAGE 2

Status Code

P3

Revision

3

Scale @ A0

1:450

Model Manager

TB

Project Manager

GM

Mechanical & Electrical Consulting Engineers

EDC

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