

General Notes

1. This drawing is to be read in conjunction with all relevant architects drawings, indicative survey drawings and mechanical & electrical specifications & schedules.
2. All dimensions are in millimeters unless otherwise stated.
3. The contractor shall be responsible for informing Axiseng of any discrepancy found to be contained within any Axiseng drawing or specification.
4. The contractor is to be aware that this drawing is intended to be viewed in colour.
5. Exact location of all penetrations are the responsibility of the contractor who shall co-ordinate the pipework & ductwork installations with other trades.
6. The contractor shall note that all pipework and ductwork routes are indicative only.
7. The contractor shall supply all poles and luminaire mounting fixtures.

Notes for Bat Lighting Protection

1. Hours of illumination: Lighting of pedestrian walkways surrounding the warehouse unit shall be controlled via in-built luminaire photocell & PIR motion sensors and remain off during times of no pedestrian traffic. Site lighting should be switched off or at lower light output during inactive site hours; this would benefit the Bats foraging and/or commuting in the locality. Additionally, lighting should be controlled by occupancy / motion sensors so that it will remain off / low if there is no pedestrian traffic nearby.
2. Light levels and type: Site lighting that meets the lowest light levels permitted under health and safety would be preferable for bats in the vicinity. The specification and colour of light treatments, such as single bandwidth lights and no UV light are essential. LED luminaires are ideal and should be used where possible due to their sharp cut-off, lower intensity, and dimming capability. A warm white spectrum (2700K - 3000K) should be used in the lighting components situated along the western and southern border of the site to reduce the blue light component.
3. Column heights of lamp posts: All pole mounted fitting shall be mounted at specified heights.

Symbols Reference:

- EX1 Wall mounted luminaire (mounted @ 10m) - Aktral LED 80w LED, 4K, Asymmetric
- EX2 Wall / Pole mounted luminaire (mounted @ 6/8/10m) - Aktral LED 60w LED, 4K, Asymmetric
- EX3 Wall mounted luminaire (mounted @ 8m) - Aktral LED 80w LED, 3000K, Asymmetric
- EX4 EX4 Pole mounted luminaire (mounted @ 5m on upper carpark & 6m @ ground level) - Twin Metro Streetlight Size 1, 52w 24LED 700mA 3000K Symmetric / 68w LED 3000K Symmetric Optic
- EX5 Pole mounted luminaire (mounted @ 6m) - Metro Streetlight 35w 16LED 3000K 700mA Forward Throw Optic
- EX6 Wall mounted luminaire (mounted @ 5 m) - Metro Streetlight 19W BLEED 700mA 3000K Street Optic R03
- EX7 Recess mounted luminaire - Spico Canopy 32W LED 4K Flood 62"
- EX8 Surface mounted luminaire (mounted @ 3.8m) - Parksave PC-Frost 28W LED 4000K 4ft Basic

WAREHOUSE DEVELOPMENT SITE A UNDER CONSTRUCTION
(AS GRANTED PLANNING UNDER SDC Reg. Ref. SD18A/0265)

EXISTING ESTATE ACCESS ROAD

LANDSCAPING

4no. Type EX3s mounted @ 8m

3no. Type EX4s (52w) twin mounted on poles @ 6m

6no. Type EX2s mounted @ 6m

10no. Type EX1s mounted @ 10m

3no. Type EX2s mounted on poles @ 10m

5no. Type EX2s mounted @ 6m

3no. Type EX5s mounted on poles @ 6m

9no. Type EX6s mounted on poles @ 5m (9m above ground level)

4no. Type EX4s (68w) twin mounted on poles @ 5m (5m above ground level)

WAREHOUSE DEVELOPMENT SITE B UNDER CONSTRUCTION
(AS GRANTED PLANNING UNDER SDC Reg. Ref. SD18A/0265)

EXISTING ESB SUBSTATION

VAN / HGV CIRCULATION / DOCKING AND / OR PARKING

CONCRETE YARD

LANDSCAPING

Calculation Summary

Description	Avg	Max	Min	Min/Avg	Min/Max	Units	PtSpLr	PtSpTb	# Pts
Carpark / Yards	26.07	118	7	0.27	0.06	Lux	3	3	810
Upper Carpark	20.29	56	5	0.25	0.09	Lux	3	3	242
Loading Bays	53.90	68	27	0.50	0.40	Lux	2.5	2.5	81
Under Canopy	106.42	195	57	0.54	0.29	Lux	2	2	52
Patio Dining Area	15.00	40	3	0.20	0.08	Lux	2.5	2.5	14

Upper Carpark Level

P01	02.07.2021	ISSUED FOR PLANNING	SS	CD
REV	DATE	AMENDMENT	DRN	CHK

Issued for Information

axiseng
consulting engineers

47 Mount Street Upper
Dublin 2 Ireland
E: +353 1 491 0044
F: +353 1 491 3155
E: info@axiseng.ie
www.axiseng.ie

Client: Jordanstown Properties Ltd

Architect: Jordanstown Properties Ltd

Project: Uniphar Warehouse Block C - Landlord
Electrical
Site Lighting Layout

Drsg. No: UWBC-AXE-XX-00-DR-ME-60102

Job No: 21025 Status: S2 Revision: P01

Scale: 1:500 @ A1

This drawing is the property of axiseng. Copyright is reserved by axiseng and the drawing shall not be copied, reproduced or otherwise used without the consent of axiseng.