

New Lighting Design

Installation : Oldham Road Rochdale

Project number : 8947251057

Customer : Nathan Varley

Processed by : M Cross

Date : 27.04.2026

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

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1 Luminaire data

1.1 INUI LED, T3 Mercury-T50W-LV 40... (T3 Mercury-T50...)

1.1.1 Data sheet

Manufacturer: INUI LED

T3 Mercury-T50W-LV 4000K

T3 Mercury-T50W-LV 4000K



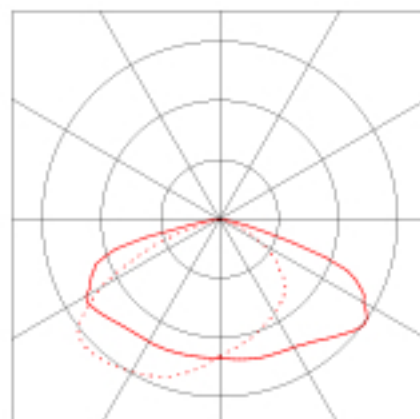
Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 163.5 lm/W
Classification : A30 ↓100.0% ↑0.0%
CIE Flux Codes : 38 76 98 100 100
UGR 4H 8H : 38.8 / 34.9
Power : 50.3 W
Luminous flux : 8224 lm

Equipped with

Quantity : 1
Designation : 3030
Colour :
Luminous flux : 8224 lm

Dimensions : 130 mm x 130 mm x 1 mm



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1 Luminaire data

1.2 INUI LED, 30w Directional Wall P... (30w Directional...)

1.2.1 Data sheet

Manufacturer: INUI LED

30w Directional Wall Pack

30w Directional Wall Pack



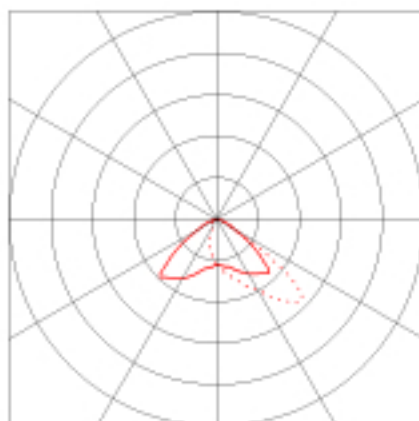
Luminaire data

Luminaire efficiency : 97.2%
Luminaire efficacy : 168.47 lm/W
Classification : A40 ↓100.0% ↑0.0%
CIE Flux Codes : 42 89 99 100 97
UGR 4H 8H : 25.3 / 11.9
Power : 27.4 W
Luminous flux : 4616 lm

Equipped with

Quantity : 1
Designation :
Colour :
Luminous flux : 4749 lm

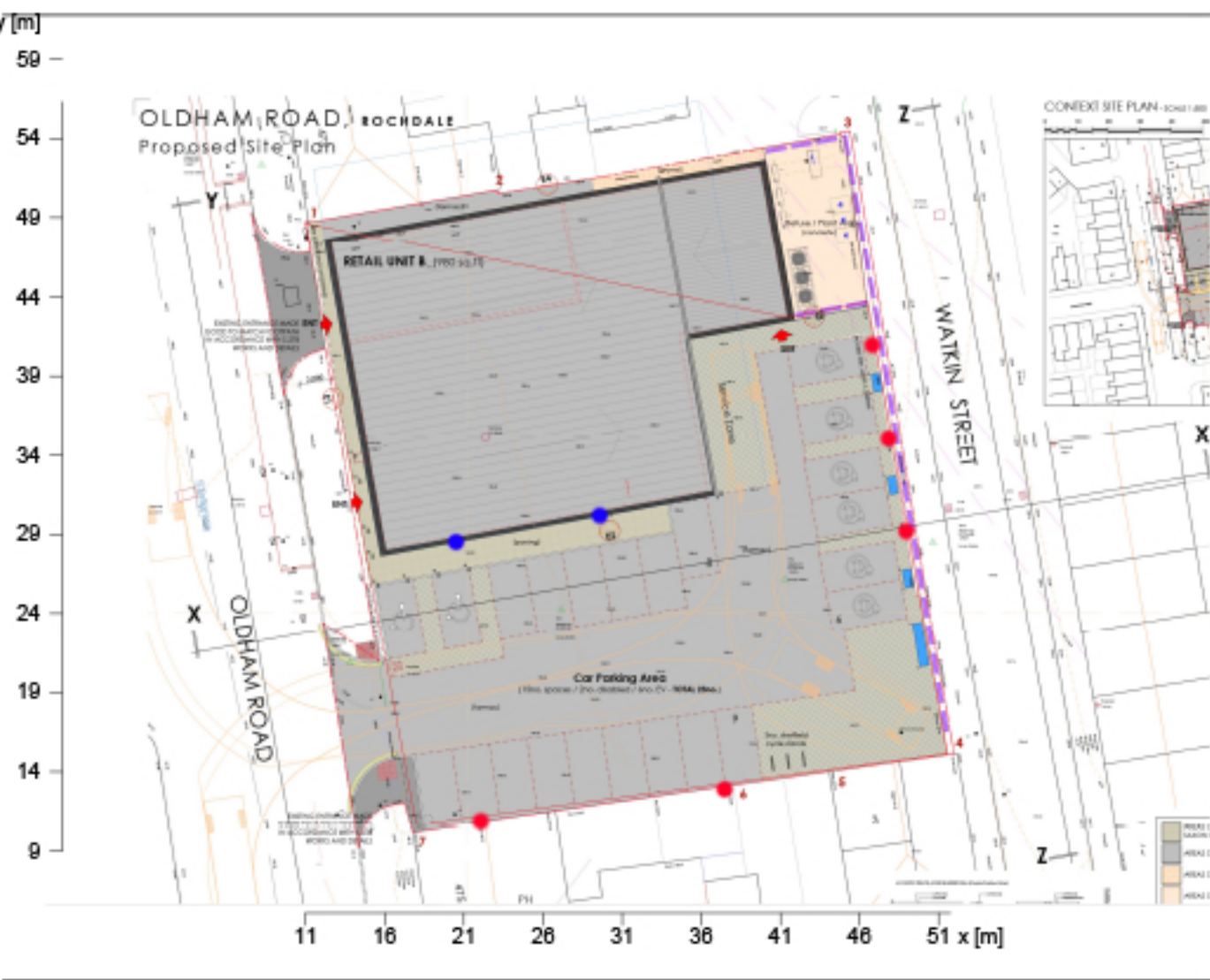
Dimensions : Ø500 mm x 1 mm



2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Floor plan



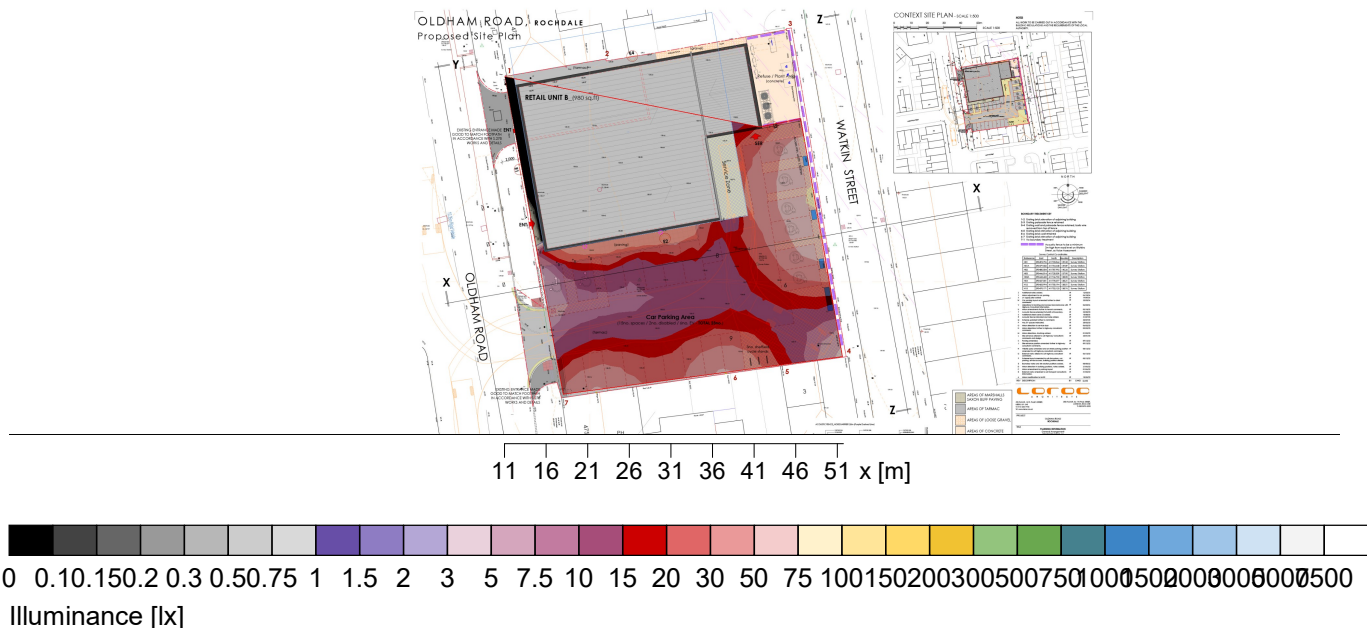
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2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Total lamp luminous flux
 Luminaire luminous flux
 Total power
 Total power per area (1115.38 m²)

34170.00 lm
 33904.05 lm
 205.7 W
 0.18 W/m² (0.77 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

Horizontal
 $\bar{E}_m$ 24 lx
 E_{min} 6 lx
 $E_{min}/\bar{E}_m (U_0)$ 0.25
 $E_{min}/E_{max} (U_d)$ 0.08
 Position 0.00 m

Type No. Make

1 5 x INUI LED
 Order No. : T3 Mercury-T50W-LV 4000K
 Luminaire name : T3 Mercury-T50W-LV 4000K
 Equipment : 1 x 3030 50.3 W / 8224 lm

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2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Evaluation area 1

2	2 x	Order No.	: 30w Directional Wall Pack
		Luminaire name	: 30w Directional Wall Pack
		Equipment	: 1 x 27.4 W / 4749 lm

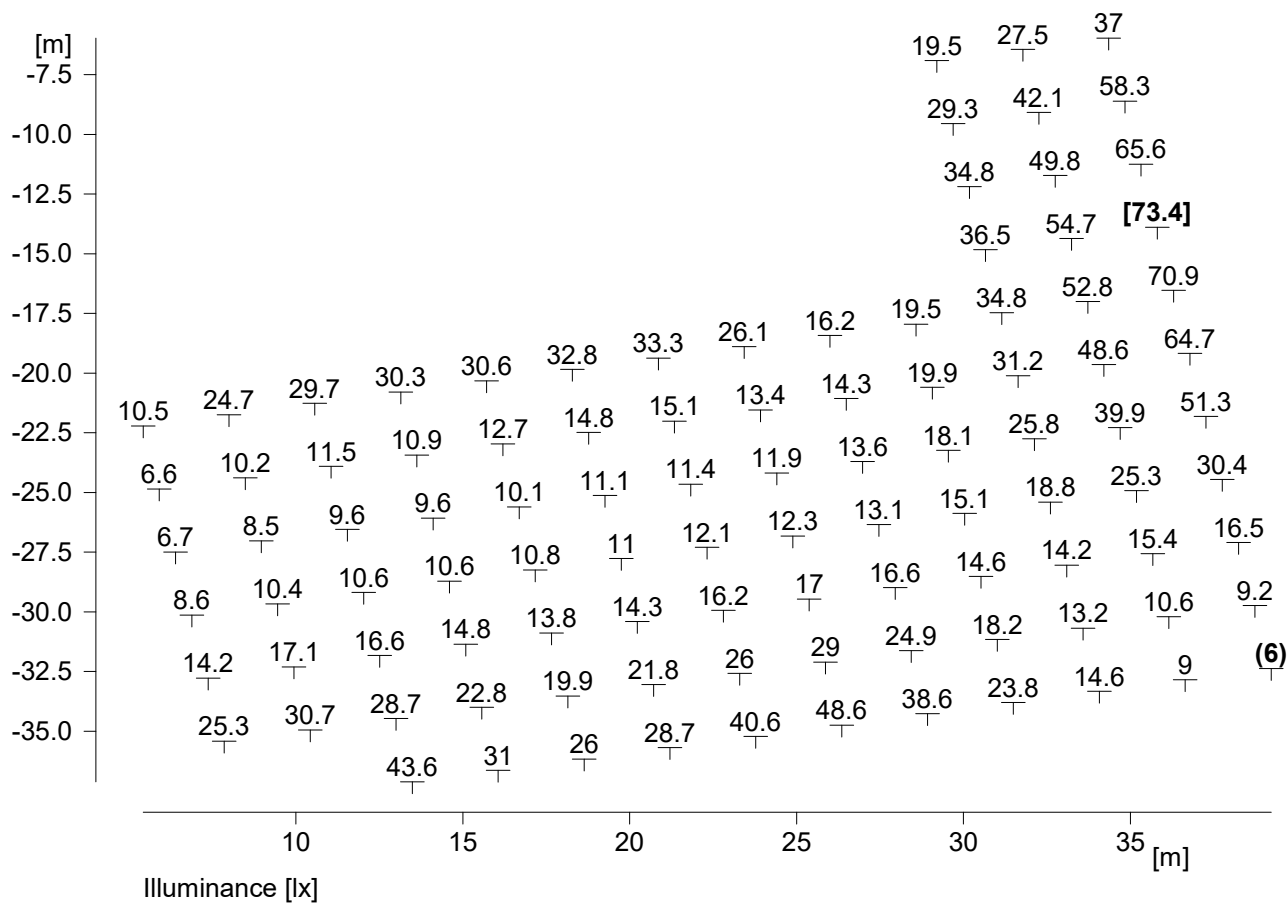
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2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, Reference plane 1.1 (E)



Height reference plane	: 0.00 m
Average illuminance	$\bar{E}_m$: 24 lx
Minimum illuminance	E_{min} : 6 lx
Maximum illuminance	E_{max} : 73.4 lx
Uniformity U_o	$E_{min}/\bar{E}_m$: 1 : 4.01 (0.25)

