![MBA]

PROJECT NAME:
The Railyard Apartments

PROJECT No:
C1301 - Public Lighting R5

SCALE: **1:500**
DATE: **14 June 2024**

CALCULATION:
Horizontal Illuminance (lux)

DESIGNER:
M Buckley CEng MIEI MCIBSE

Grid 1 - Albert Street
Grid 2 - Albert Street & Albert Road Intersection
Grid 3 - Albert Street & Albert Quay Intersection
Grid 4 - Albert Road
Grid 5 - Albert Quay

This report incorporates the current residential development site plan with previously agreed lighting upgrades to the public realm as per planning number: 21/40237 RFI: 8122021

Sheet Size	A1

PREPARED BY:

MBA Engineers
Carey House,
Albert Street,
Cork
mail@mbaengineers.ie
021 4965395

Results Grid 1	
Eav	23.00
Emin	9.18
Emax	43.21
Emin/Emax	0.21
Emin/Eav	0.40

Results Grid 2	
Eav	18.64
Emin	6.54
Emax	33.98
Emin/Emax	0.19
Emin/Eav	0.35

Results Grid 3	
Eav	30.93
Emin	6.73
Emax	62.33
Emin/Emax	0.11
Emin/Eav	0.22

Results Grid 4	
Eav	10.78
Emin	4.28
Emax	21.99
Emin/Emax	0.19
Emin/Eav	0.40

Results Grid 5	
Eav	21.56
Emin	4.24
Emax	41.37
Emin/Emax	0.10
Emin/Eav	0.20

	Luminaire A	Luminaire B	Luminaire C	Luminaire D	Luminaire E	Luminaire F	Luminaire G
Supplier		C U Phosco		D W Windsor	WRTL	Urbis-Schreder	Urbis Schreider Axia 2
Type	DYANA2 LED 72L50 WS 740 BP CL2 MLE	P65520 (1)	NERI ALTAIR 025A21535ST 0°	DO5 - P 150 S - A S (5/35 OLS)	2695 SNN/1E	AXIA 2.2 5166 - 48 NVSL219CT 890mA NW 230V Integrated lens...	AXIA 2.1 5233 Integrated lenses Rear louvers 24 OSLON SQUA...
Lamp(s)	LED_DYNL_11951 111W	400W SON-T	NAV-T150 SUPER	150W SON-T+	1SON-T 150W	48NVSL219CT 890mA_NW	24 OSLON SQUARE GIANT@890mA WW 830 230V 00-36-981
Lamp Flux (klm)	11.95	56.50	17.50	17.50	17.50	16.86	8.39
Maintenance Factor	0.80	0.80	0.80	0.80	0.80	0.80	0.80
No. in Project	12	2	3	2	1	4	4

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