

NOTES

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GRID SUMMARY

Name:	Plot L
Size:	0.0m x 0.0m
Spacing:	10.0m x 10.0m
Height:	0.0m above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL LUX	
Entire Grid	
Scan Average:	49
Maximum:	89
Minimum:	12
Min / Avg:	0.25
Min / Max:	0.14
UG (adjacent pts):	3
CU:	0.89
No. of Points:	442
LUMINAIRE INFORMATION	
Applied Circuits:	A
Design Usage Hours:	100,000
No. of Luminaires:	27
Avg Load:	21.38 kW
Max Load:	23.76 kW

- LEGEND**
- 20 LUX CONTOUR
 - 5 LUX CONTOUR
 - EXTENT OF AREA L
 - RED LINE PLANNING BOUNDARY IN THIS APPLICATION

P02	27/06/24	ME	Issue for Planning	OK
P01	20/06/24	ME	Revised for Planning Issue	OK
Rev	Date	Dim. Chk	Amendment / Issue	App

Lighting System

Pole / Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Avg Load	Max Load	Circuit
HMLL1, P3-P4	30.0	30.0	4	TLC-LED-900	3.17 kW	3.52 kW	A
P1	30.0	30.0	8	TLC-LED-900	6.34 kW	7.04 kW	A
P2	30.0	30.0	7	TLC-LED-900	5.54 kW	6.16 kW	A
5			27		21.38 kW	23.76 kW	

Circuit Summary

Circuit	Description	Avg Load	Max Load	Fixture Qty
A	Plot L	21.38 kW	23.76 kW	27

Fixture Type Summary

Type	Source	Avg Wattage	Max Wattage	Constant Lumens	Application	Quantity
TLC-LED-900	LED 5700K - 75 CRI	792W	880W	88,400	100K	27

Single Luminaire Amperage Draw Chart

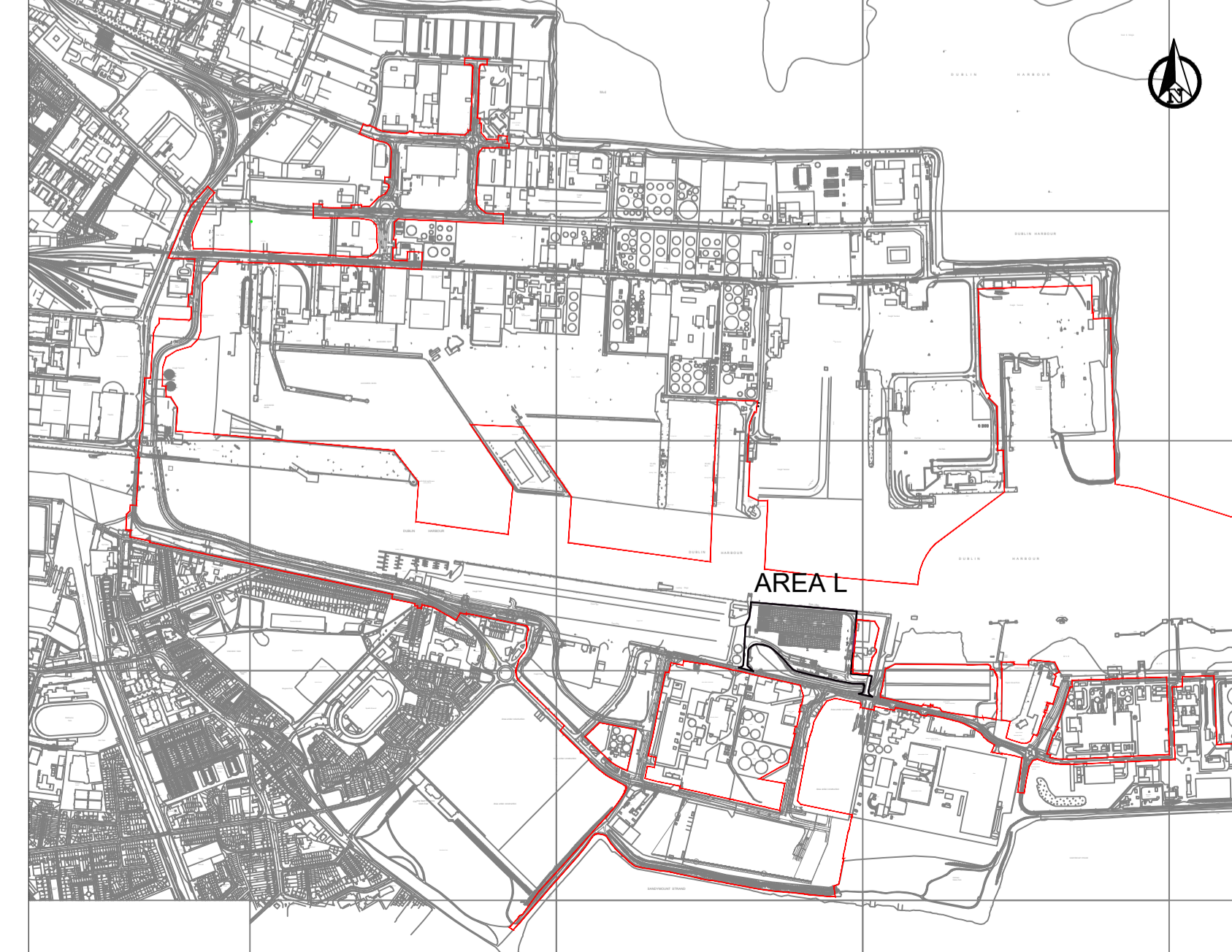
Driver (90 min power factor)	Max Line Amperage Per Luminaire						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3

Light Level Summary

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Min/Max	Min/Ave		
Plot L	Horizontal	49	12	89	0.14	0.24	A	27
Spill	Horizontal	23	0	89	0.00	0.00	A	27

KEY PLAN AREA L



Client

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Project **3FMProject** Bringing Dublin Port To 2040

Title **Lo-Lo Container Yard (Area L) Lighting Calculation Design**

Model File Identifier

File Identifier **CP1901-3FM-RPS-S45-08-DR-E-0831**

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