Proposed lighting installation

Installation : Gramaro Properties Crowland Padel Courts

Project number : 0326007
Customer : AJS Spalding
Processed by : Aimee Tindall
Date : 09.03.2026

Project description:
LIGHTING PROPOSAL
LEW Lighting Solutions design using a wide variety of manufacturers and whilst we take care to research the technical information of each fitting, we do not take any responsibility for any errors arising from the information given to us by luminaire manufacturers.

Symbols have been enlarged for visibility purposes.

Design has been based on dimensions/layout provided and aimed to achieve SLL guidelines.

We have shown Day 1 Horizontal Spillage for your consideration.

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 Lumineux Lighting, Lumineux - 200W Wimbleball Pade... (!431240)

1.1.1 Data sheet

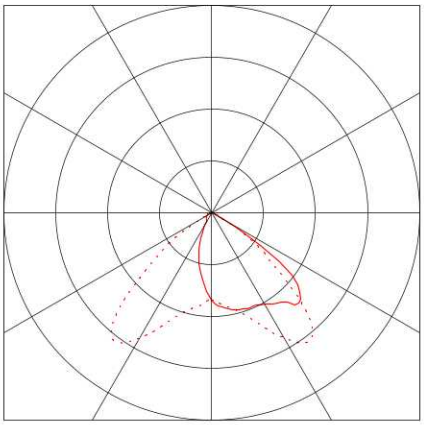
Manufacturer: Lumineux Lighting

EX1 !431240 **Lumineux - 200W Wimbleball Padel Court 840**

Luminaire data		
Luminaire efficiency	:	100%
Luminaire efficacy	:	165 lm/W
Classification	:	A50 ↓100% ↑0%
CIE Flux Codes	:	55 94 99 100 100
UGR 4H 8H	:	32.5 / 31.0
Power	:	199.5 W
Luminous flux	:	32909.2 lm

Equipped with		
Quantity	:	1
Designation	:	LED
Colour	:	4000
Luminous flux	:	32917 lm
Colour reproduction	:	80

Dimensions : 621 mm x 144 mm x 127 mm



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1 Luminaire data

1.2 Ansell, Ansell - Avio 18W Bollard 4000K (!AAVIO/1/BK)

1.2.1 Data sheet

Manufacturer: Ansell

EX2 !AAVIO/1/BK Freestanding uplighter Ansell - Avio 18W Bollard 4000K

- Robust die-cast aluminium bollard with a choice of textured finishes suitable for commercial applications
- CCT selectable between 3000K and 4000K and power selectable; offering a choice of outputs, in one luminaire
- Half-shield lens option to offer single direction output
- Precision-engineered lensed optic delivers exceptional light distribution and performance, ensuring maximum efficiency and visual comfort
- Corrosion resistance up to C4M
- Removable head design allows easy access to the integrated CCT and wattage switches, seamlessly housed within the head for quick adjustments and enhanced convenience during installation or maintenance
- PIR option comes with integrated Photocell that can be switched as required
- Comes complete with a AFIX connector (AFIXIP/1/SC/3C) for quick and Easy IP rated connection
- Supplied c/w base plate, root mounting kit accessory available

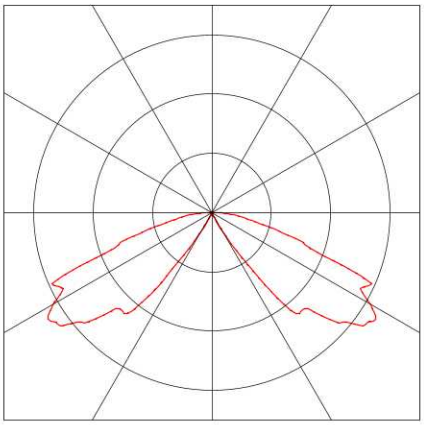
Luminaire data

Absolute Photometry		
Luminaire efficacy	:	75.88 lm/W
Classification	:	A10 ↓98% ↑2%
CIE Flux Codes	:	11 57 92 98 100
UGR 4H 8H	:	28.5 / 28.5
Control gear	:	Electronic ballast
Power	:	18.4 W
Luminous flux	:	1395.9 lm

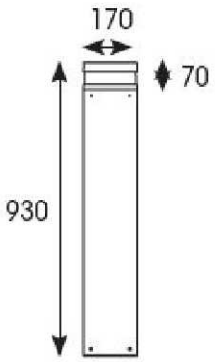
Equipped with

Quantity	:	1
Designation	:	LED
Colour	:	
Socket	:	--

Dimensions : Ø230 mm x 50 mm







aimee.tindall@lewelectrical.co.uk

Object : Proposed lighting installation
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2 Padel Courts

2.1 Description, Padel Courts, Light scene 1(C)

2.1.1 Floor plan



aimee.tindall@lewelectrical.co.uk

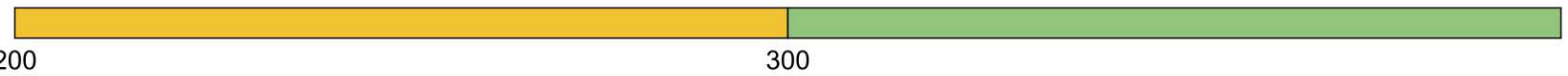
Object	:	Proposed lighting installation
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Date	:	09.03.2026

2 Padel Courts

2.2 Summary, Padel Courts, Light scene 1(C)

2.2.1 Result overview, Doubles Padel Court 1





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot.centre) [m]:	6.94 m
Maintenance factor	0.80
Total luminous flux	395004 lm
Total power	2394 W
Total power per area (1642.48 m²)	1.46 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	313 lx
Minimum illuminance	E_{min}	239 lx
Maximum illuminance	E_{max}	480 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.31 (0.76)
Diversity U_d	E_{min}/E_{max}	1:2.01 (0.5)

Type No.\Make

		Lumineux Lighting
1	12 x	Order No. : !431240
		Luminaire name : Lumineux - 200W Wimbleball Padel Court 840
		Equipment : 1 x LED 199.5 W / 32917 lm
EX1		

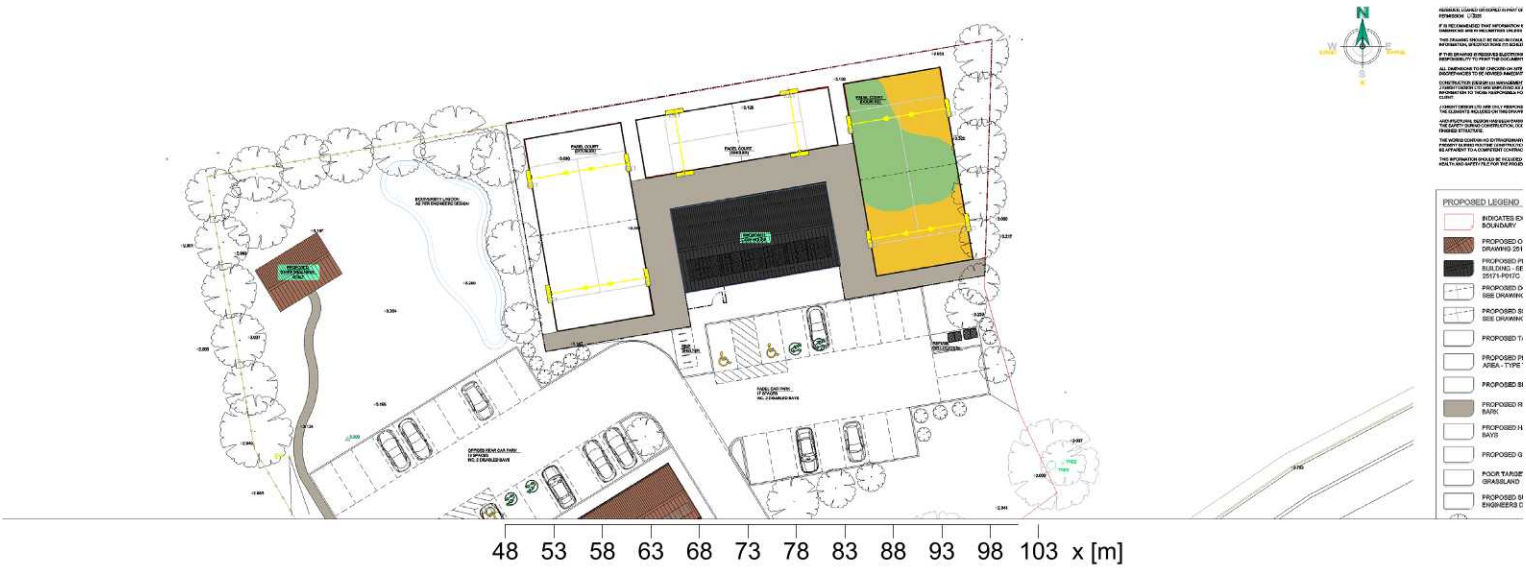
The ULR value has been calculated without obstruction by other objects.

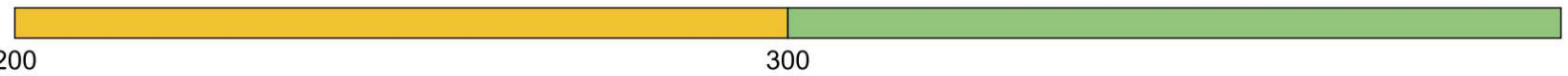
aimee.tindall@lewelectrical.co.uk

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2.2 Summary, Padel Courts, Light scene 1(C)

2.2.2 Result overview, Singles Padel Court





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot.centre) [m]:	6.94 m
Maintenance factor	0.80
Total luminous flux	395004 lm
Total power	2394 W
Total power per area (1642.48 m²)	1.46 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	312 lx
Minimum illuminance	E_{min}	239 lx
Maximum illuminance	E_{max}	475 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.31 (0.77)
Diversity U_d	E_{min}/E_{max}	1:1.99 (0.5)

Type No.\Make

		Lumineux Lighting	
1	12 x	Order No.	: !431240
		Luminaire name	: Lumineux - 200W Wimbleball Padel Court 840
		Equipment	: 1 x LED 199.5 W / 32917 lm
EX1			

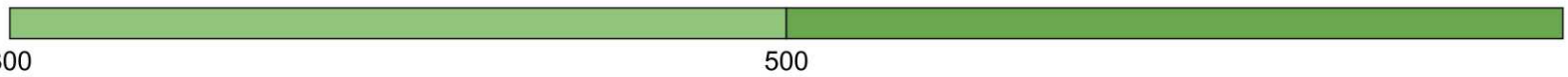
The ULR value has been calculated without obstruction by other objects.

Object	:	Proposed lighting installation
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2.2 Summary, Padel Courts, Light scene 1(C)

2.2.3 Result overview, Doubles Padel Court 2





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot.centre) [m]:	6.94 m
Maintenance factor	0.80
Total luminous flux	395004 lm
Total power	2394 W
Total power per area (1642.48 m²)	1.46 W/m²
Upward light ratio (RUL)	0 %

Illuminance

Average illuminance	$\bar{E}_m$	396 lx
Minimum illuminance	E_{min}	329 lx
Maximum illuminance	E_{max}	527 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.2 (0.83)
Diversity U_d	E_{min}/E_{max}	1:1.6 (0.62)

Type No.\Make

		Lumineux Lighting	
1	12 x	Order No.	: !431240
		Luminaire name	: Lumineux - 200W Wimbleball Padel Court 840
		Equipment	: 1 x LED 199.5 W / 32917 lm
EX1			

The ULR value has been calculated without obstruction by other objects.

Object	:	Proposed lighting installation
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3 Car Park

3.1 Description, Car Park, Light scene 1(C)

3.1.1 Floor plan



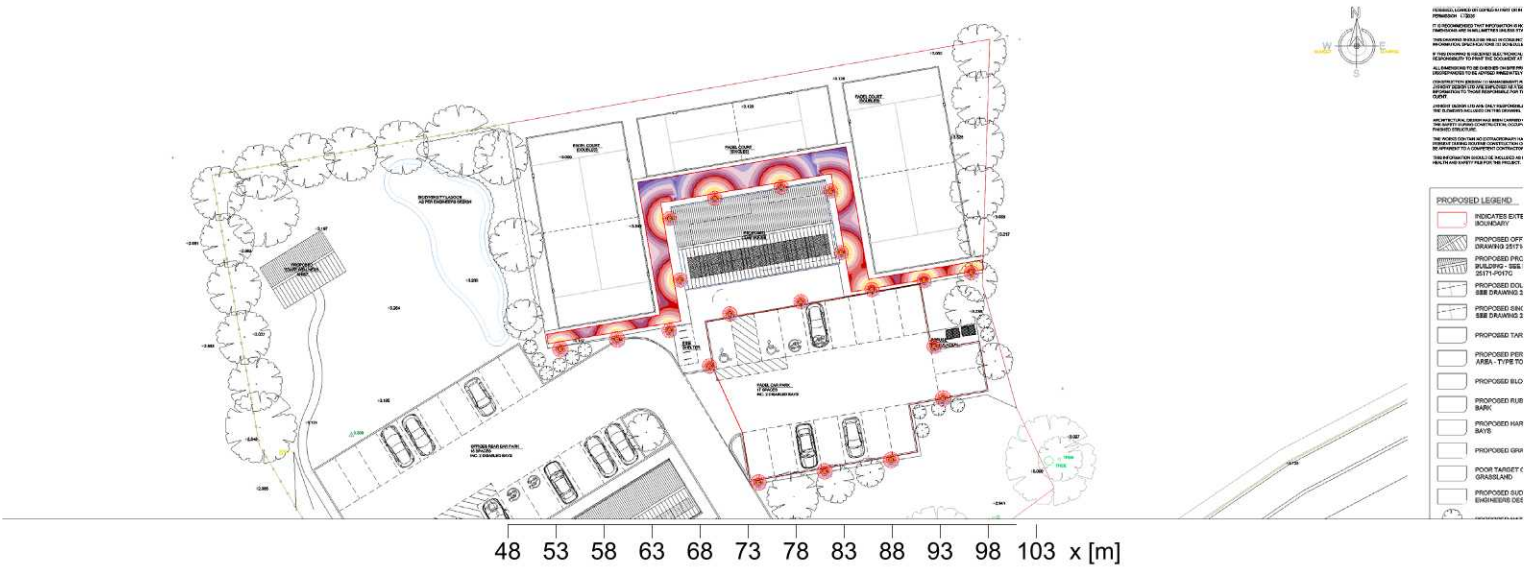
aimee.tindall@lewelectrical.co.uk

Object	:	Proposed lighting installation
Installation	:	Gramaro Properties Crowland Padel Courts
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3 Car Park

3.2 Summary, Car Park, Light scene 1(C)

3.2.1 Result overview, Club House Perimeter





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot.centre) [m]:	0.92 m
Maintenance factor	0.80
Total luminous flux	27786 lm
Total power	368 W
Total power per area (1661.19 m²)	0.22 W/m²
Upward light ratio (RUL)	2 %

Illuminance

Average illuminance	$\bar{E}_m$	31 lx
Minimum illuminance	E_{min}	1 lx
Maximum illuminance	E_{max}	145 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:30.5 (0.03)
Diversity U_d	E_{min}/E_{max}	1:142 (0.01)

Type No.\Make

2 20 x EX2

Ansell

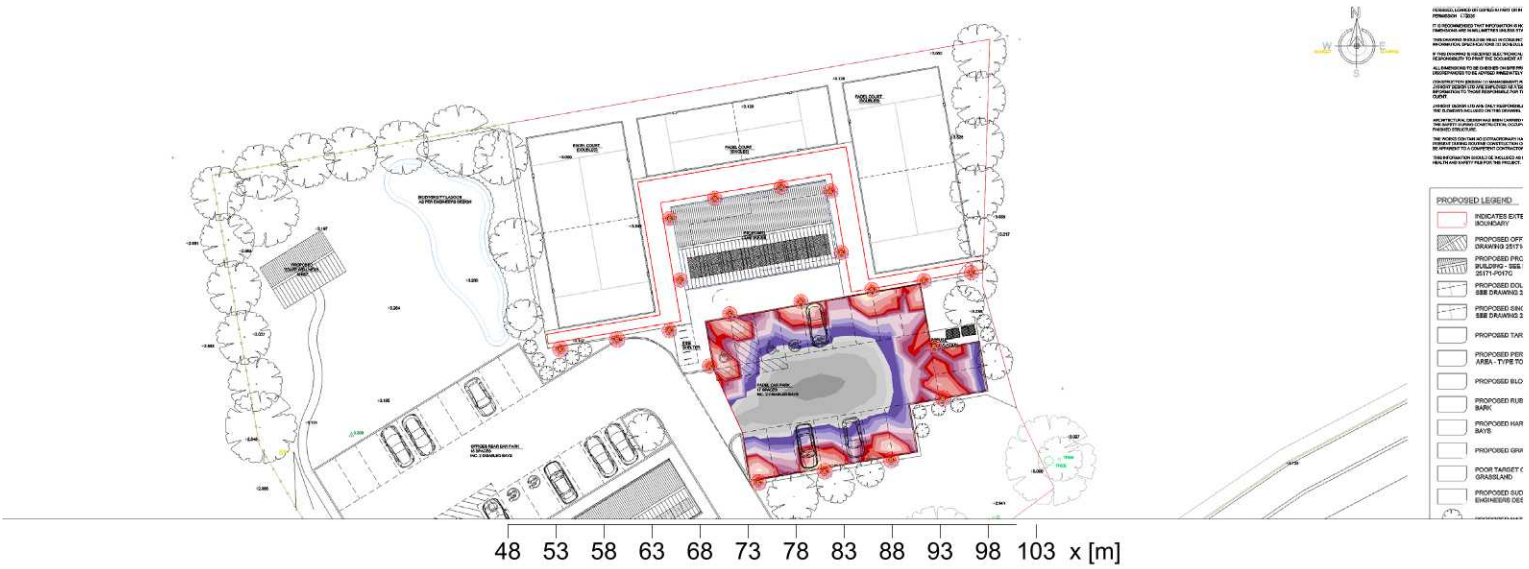
Order No.	: !AAVIO/1/BK
Luminaire name	: Ansell - Avio 18W Bollard 4000K
Equipment	: 1 x LED 18.4 W / 1389.3 lm

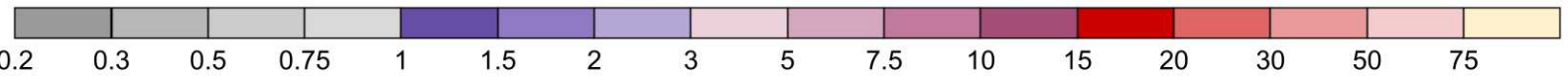
The ULR value has been calculated without obstruction by other objects.

Object	:	Proposed lighting installation
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3.2 Summary, Car Park, Light scene 1(C)

3.2.2 Result overview, Padel Car Park





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot.centre) [m]:	0.92 m
Maintenance factor	0.80
Total luminous flux	27786 lm
Total power	368 W
Total power per area (1661.19 m²)	0.22 W/m²
Upward light ratio (RUL)	2 %

Illuminance

Average illuminance	$\bar{E}_m$	10.5 lx
Minimum illuminance	E_{min}	0.3 lx
Maximum illuminance	E_{max}	88.4 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:40.5 (0.02)
Diversity U_d	E_{min}/E_{max}	1:341 (0)

Type No.\Make

		Ansell	
2	20 x	Order No.	: !AAVIO/1/BK
		Luminaire name	: Ansell - Avio 18W Bollard 4000K
		Equipment	: 1 x LED 18.4 W / 1389.3 lm

EX2

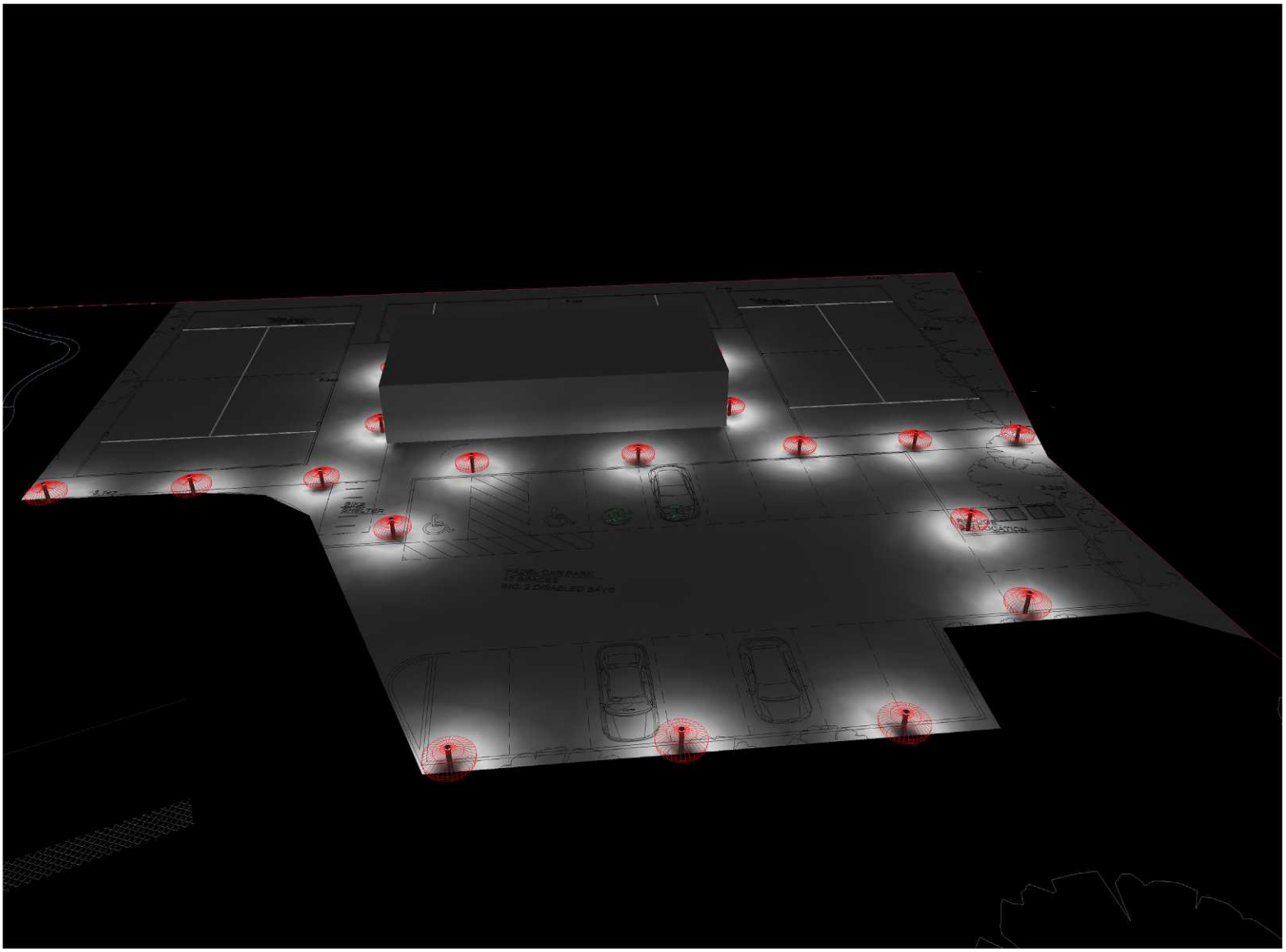
The ULR value has been calculated without obstruction by other objects.

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3 Car Park

3.3 Calculation results, Car Park, Light scene 1(C)

3.3.1 3D luminance, View 1



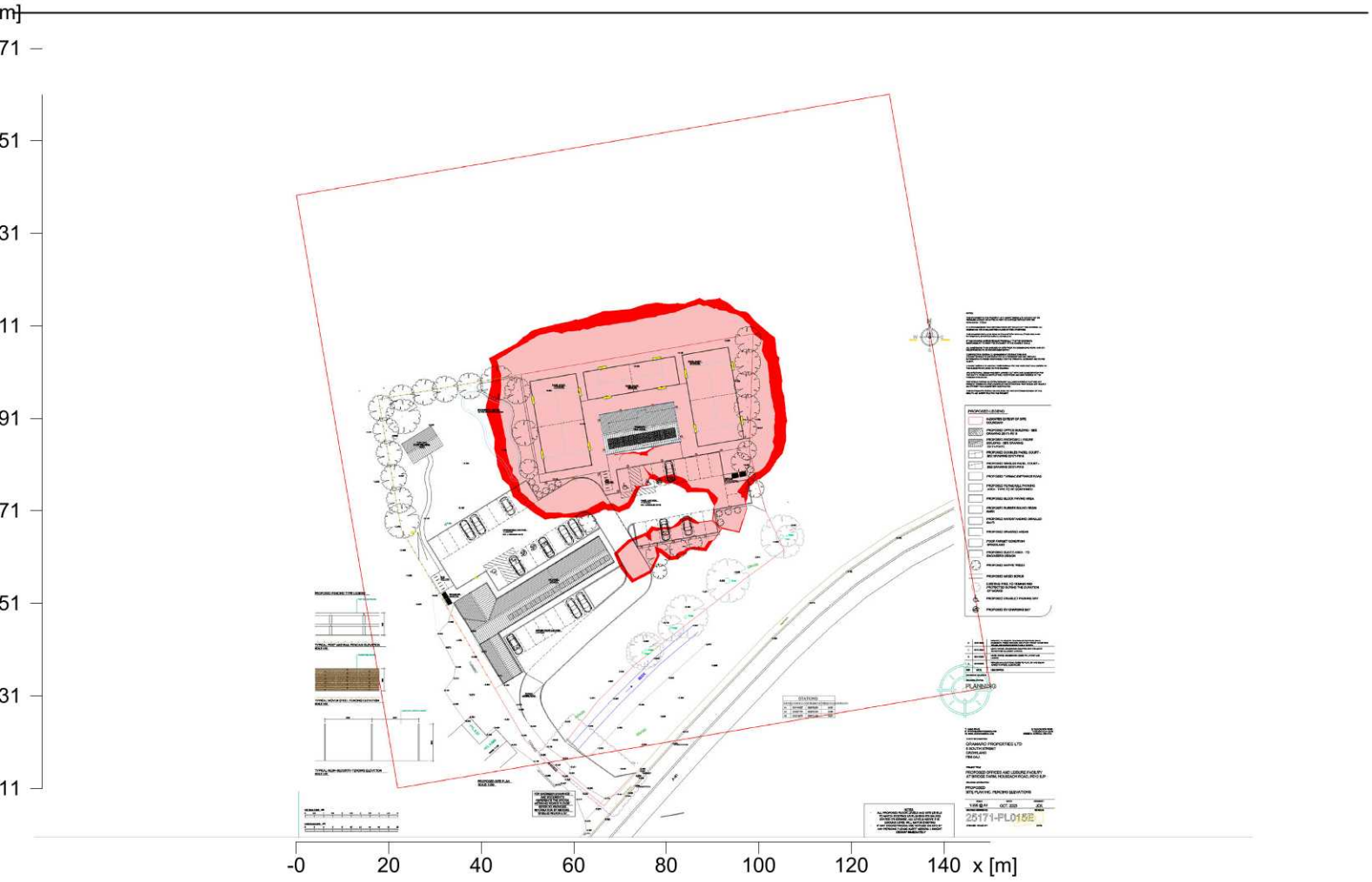
Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 491 cd/m²

Object	:	Proposed lighting installation
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4 Spillage

4.1 Calculation results, Spillage, Light scene 1(C)

4.1.1 Boundary line, Horizontal Spillage (E)





Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 24 lx
Minimum illuminance	E_{min}	: 0.01 lx
Maximum illuminance	E_{max}	: 518 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2930.73 (0.00)