Installation : Proposed New Lighting

Project number :
Customer :
Processed by : Nicholas Gwilliam
Date : 25.06.2026

Project description:
All room/exterior area dimensions to be checked on-site prior to ordering.

Calculation based on standard reflectance values as 70/50/20 and Maintenance Factor 0.8.

It is the responsibility of the customer to ensure any scheme provided by Ansell meets all requirements of the end user.

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.

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

1 Luminaire data

1.1 Ansell, STREETLIGHTS - Helix P... (AHPT/1 (75W - 3...)

1.1.1 Data sheet

Manufacturer: Ansell

AHPT/1 (75W - 3000K) Post Top Lantern STREETLIGHTS - Helix Post Top

- Modern die-cast aluminium post top lantern Ideal for large carparks and large open areas
- CCT selectable between 3000K and 4000K and power selectable; offering a choice of 4 outputs, in one luminaire
- Electrostatic paint finish for enhanced corrosion resistance
- Advanced lens technology providing optimum performance and control.
- Suitable for residential and commercial use
- 76mm spigot bracket

Operating Temp -30°C to 50°C

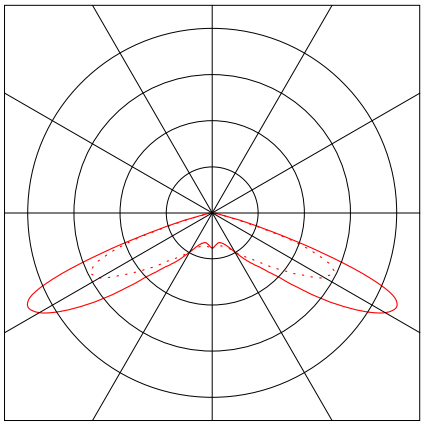
- Suitable for external use only
- 5 Year Product Warranty
- IP66

Luminaire data

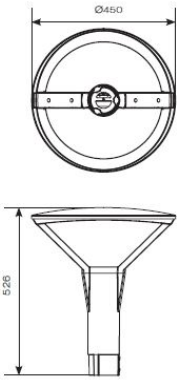
Absolute Photometry		
Luminaire efficacy	:	118.67 lm/W
Classification	:	A20 ↓100% ↑0%
CIE Flux Codes	:	15 52 98 100 99
UGR 4H 8H	:	31.8 / 30.4
Control gear	:	Electronic ballast
Power	:	74.1 W
Luminous flux	:	8793.4 lm
Dimensions	:	Ø450 mm x 35 mm

Equipped with

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







Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

1 Luminaire data

1.2 Ansell, BULKHEADS - Wolf Mini ... (AWOLF/MINI/BLK ...)

1.2.1 Data sheet

Manufacturer: Ansell

AWOLF/MINI/BLK (WW 8W) **Ceiling mounted luminaire** **BULKHEADS - Wolf Mini Black 3000K**
AWOLF/MINI/BLK
FLOODLIGHTING
Wolf Mini Wallpack CCT Black

• Modern, robust die-cast aluminium low glare wall pack suitable for commercial and industrial applications
• Advanced lens technology offers wide distribution for optimum spacing and uniformity; whilst ensuring minimal uplight and light pollution
• Reduced light pollution with less than 1% upward light distribution, helps with compliance with Dark Skies recommendations
• Power selectable; offering a choice of 2 outputs, in one luminaire
• High efficiency up to 125 Lm/W
• Electrostatic paint finish for enhanced corrosion resistance
• Multiple conduit, 20mm East and West side entries and rear BESA mounting
• Dimmable and Smart options available

Operating Temp -20°C to 40°C

• Suitable for external use
• 5 Year Product Warranty
• IP65

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	115.88 lm/W
Classification	:	A30 ↓100% ↑0%
CIE Flux Codes	:	39 77 98 100 100
UGR 4H 8H	:	27.6 / 13.6
Control gear	:	Electronic ballast
Power	:	8 W
Luminous flux	:	926.9 lm
Dimensions	:	210 mm x 210 mm x 0.0 mm

Equipped with

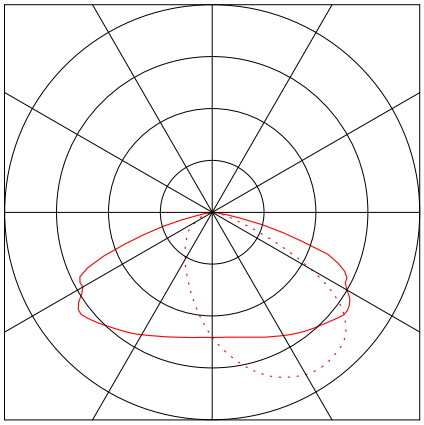
Quantity	:	1
Designation	:	LED single 830
Colour	:	3000K
Socket	:	--
Colour reproduction	:	--

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

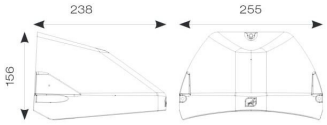
1 Luminaire data

1.2 Ansell, BULKHEADS - Wolf Mini ... (AWOLF/MINI/BLK ...)

1.2.1 Data sheet







Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

1 Luminaire data

1.3 Ansell, BULKHEADS - Vision 3 G... (AVIL/1/GR (18W ...)

1.3.1 Data sheet

Manufacturer: Ansell

AVIL/1/GR (18W 3000K) **Ceiling mounted luminaire** **BULKHEADS - Vision 3 Graphite**
AVIL/1/GR
Vision 3 LED

• IP65 CCT polycarbonate luminaire suitable for healthcare, educational, commercial and industrial applications
• CCT selectable between 3000K and 4000K and power selectable; offering a choice of 2 outputs, in one luminaire
• UV stabilised polycarbonate constructions allows installation into areas exposed to adverse weather conditions
• Top, bottom and side conduit entry covers retain sleek appearance when not in use
• Clip in gear tray ensures quick installation
• Corridor function options available for effective reduction in energy consumption
• Dimmable, Photocell, MWS and Emergency options available
• Powered by Tridonic
• 20W LED lifespanL70 56,000 hours
• Non-dimmable

Options
/SM3 Self Test Emergency
/DM3 Dali Emergency
/MWS Integral Microwave Sensor
/MWS/M3 Integral Microwave Sensor Emergency

Powered by TRIDONIC

• Suitable for external use only
• 5 Year Product Warranty
• IP65

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	111.64 lm/W
Classification	:	A41 ↓97% ↑3%
CIE Flux Codes	:	44 74 92 97 100
UGR 4H 8H	:	20.8 / 20.8
Control gear	:	Electronic ballast
Power	:	18 W
Luminous flux	:	2009.6 lm
Dimensions	:	Ø350 mm x 110 mm

Equipped with

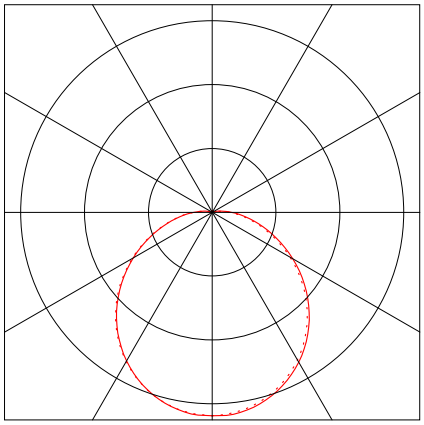
Quantity	:	1
Designation	:	LED single 830
Colour	:	3000K
Socket	:	--
Colour reproduction	:	--

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

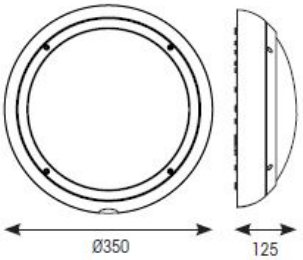
1 Luminaire data

1.3 Ansell, BULKHEADS - Vision 3 G... (AVIL/1/GR (18W ...)

1.3.1 Data sheet







Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

1 Luminaire data

1.4 Ansell, BOLLARDS - Taurus 3000K (ATAUB/1 (10W 3000K))

1.4.1 Data sheet

Manufacturer: Ansell

ATAUB/1 (10W 3000K) **Freestanding uplighter** **BOLLARDS - Taurus 3000K**
ATAUB/1
BOLLARDS
Taurus LED

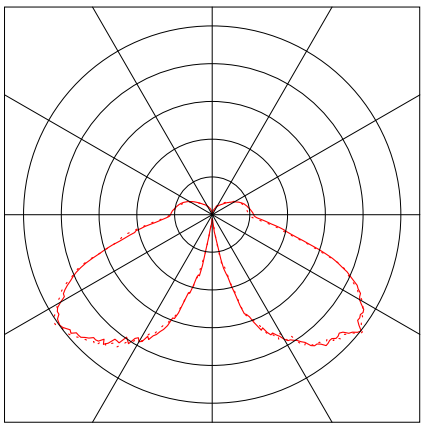
• Robust die-cast aluminium bollard with a textured graphite finish suitable for education, commercial and hospitality outdoor applications
• CCT selectable between 3000K and 4000K and power selectable; offering a choice of 3 outputs, in one luminaire
• High efficiency upto 100lm/w
• Die-cast aluminium head with polycarbonate lens
• Innovative base plate design allows greater installation flexibility
• Supplied c/w root mounting kit
• Integral emergency option
• Integral PIR option

Luminaire data

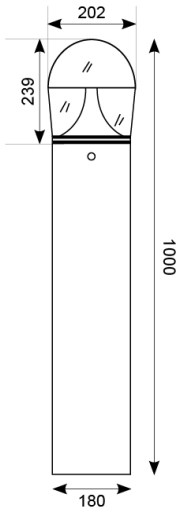
Absolute Photometry		
Luminaire efficacy	:	118.25 lm/W
Classification	:	B21 ↓84% ↑16%
CIE Flux Codes	:	25 61 88 84 100
UGR 4H 8H	:	22.8 / 23.3
Control gear	:	Electronic ballast
Power	:	9.7 W
Luminous flux	:	1147 lm
Dimensions	:	Ø200 mm x 90 mm

Equipped with

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





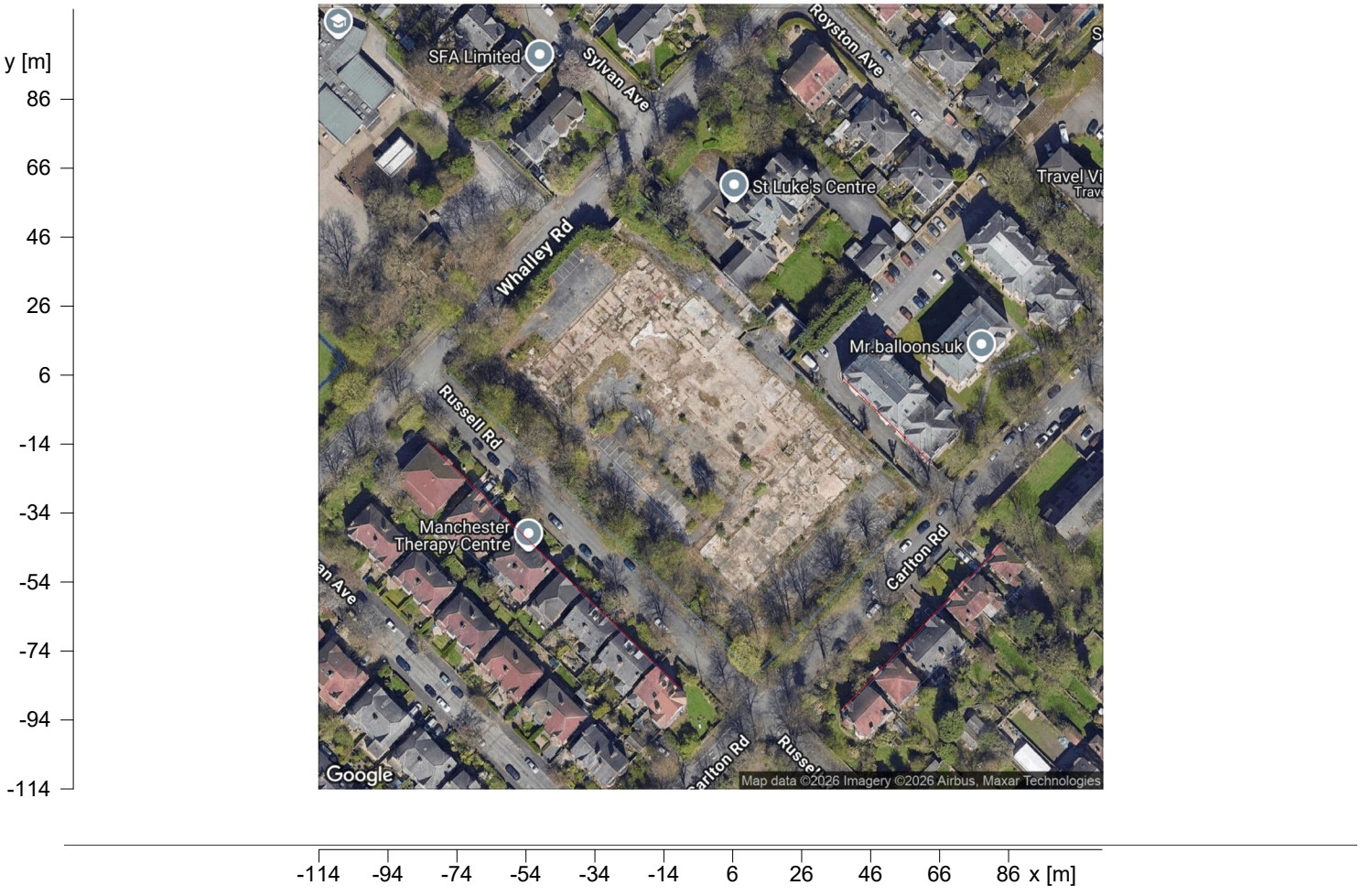


Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

2 Exterior 1

2.1 Description, Exterior 1, Light scene 1(C)

2.1.1 Floor plan



Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

2 Exterior 1

2.2 Summary, Exterior 1, Light scene 1(C)

2.2.1 Result overview, Russell rd



-114 -74 -34 6 26 66 x [m]

0 0.1 0.15 0.2 0.3 0.5 0.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100 150 200 300 500 750 1000 1500 2000 3000 5000 7500
Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	87629.00 lm
Luminaire luminous flux	87617.29 lm
Total power	750.6 W
Total power per area (616.16 m²)	1.22 W/m² (804.49 W/m²/100lx)

Russell rd	**Reference plane 1.1**
	Horizontal
$\bar{E}_m$	0.15 lx
E_{min}	0 lx
$E_{min}/\bar{E}_m$ (U_o)	0.01
E_{min}/E_{max} (U_d)	0.00
Position	0.00 m (rot: 0°/-90°)

Type No.\Make

		Ansell	
2	41 x	Order No.	: AWOLF/MINI/BLK (WW 8W)
		Luminaire name	: BULKHEADS - Wolf Mini Black 3000K
		Equipment	: 1 x LED single 830 8 W / 927 lm

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

2 Exterior 1

2.2 Summary, Exterior 1, Light scene 1(C)

2.2.1 Result overview, Russell rd

3	3 x	Order No.	: AVIL/1/GR (18W 3000K)
		Luminaire name	: BULKHEADS - Vision 3 Graphite
		Equipment	: 1 x LED single 830 18 W / 2012 lm
4	38 x	Order No.	: ATAUB/1 (10W 3000K)
		Luminaire name	: BOLLARDS - Taurus 3000K
		Equipment	: 1 x LED 9.7 W / 1147 lm

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

2.2 Summary, Exterior 1, Light scene 1(C)

2.2.2 Result overview, Carlton rd



-114 -74 -34 6 26 66 x [m]

0 0.1 0.15 0.2 0.3 0.5 0.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100 150 200 300 500 750 1000 1500 2000 3000 5000 7500
Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	77306.00 lm
Luminaire luminous flux	77294.29 lm
Total power	663.3 W
Total power per area (408.95 m²)	1.62 W/m² (4936.77 W/m²/100lx)

Carlton rd	**Carlton rd**
	Horizontal
$\bar{E}_m$	0.03 lx
E_{min}	0 lx
$E_{min}/\bar{E}_m$ (U_o)	---
E_{min}/E_{max} (U_d)	---
Position	0.00 m (rot: 0°/-90°)

Type No.\Make

		Ansell	
2	41 x	Order No.	: AWOLF/MINI/BLK (WW 8W)
		Luminaire name	: BULKHEADS - Wolf Mini Black 3000K
		Equipment	: 1 x LED single 830 8 W / 927 lm

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

2.2 Summary, Exterior 1, Light scene 1(C)

2.2.2 Result overview, Carlton rd

3 3 x Order No. : AVIL/1/GR (18W 3000K)
Luminaire name : BULKHEADS - Vision 3 Graphite
Equipment : 1 x LED single 830 18 W / 2012 lm

4 29 x Order No. : ATAUB/1 (10W 3000K)
Luminaire name : BOLLARDS - Taurus 3000K
Equipment : 1 x LED 9.7 W / 1147 lm

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

2.2 Summary, Exterior 1, Light scene 1(C)

2.2.3 Result overview, Shard holding



-114 -74 -34 6 26 66 x [m]

0 0.1 0.15 0.2 0.3 0.5 0.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100 150 200 300 500 750 1000 1500 2000 3000 5000 7500
Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	33808.10 lm
Luminaire luminous flux	33726.57 lm
Total power	287.7 W
Total power per area (432.95 m²)	0.66 W/m² (1996.55 W/m²/100lx)

Shard holding	**Reference plane 3.1**
	Horizontal
$\bar{E}_m$	0.03 lx
E_{min}	0 lx
$E_{min}/\bar{E}_m$ (U_o)	---
E_{min}/E_{max} (U_d)	---
Position	-0.00 m (rot: 0°/-90°)

Type No.\Make

		Ansell	
1	1 x	Order No.	: AHPT/1 (75W - 3000K)
		Luminaire name	: STREETLIGHTS - Helix Post Top
		Equipment	: 1 x LED 74.1 W / 8873.1 lm

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

2.2 Summary, Exterior 1, Light scene 1(C)

2.2.3 Result overview, Shard holding

2 17 x 
Order No. : AWOLF/MINI/BLK (WW 8W)
Luminaire name : BULKHEADS - Wolf Mini Black 3000K
Equipment : 1 x LED single 830 8 W / 927 lm

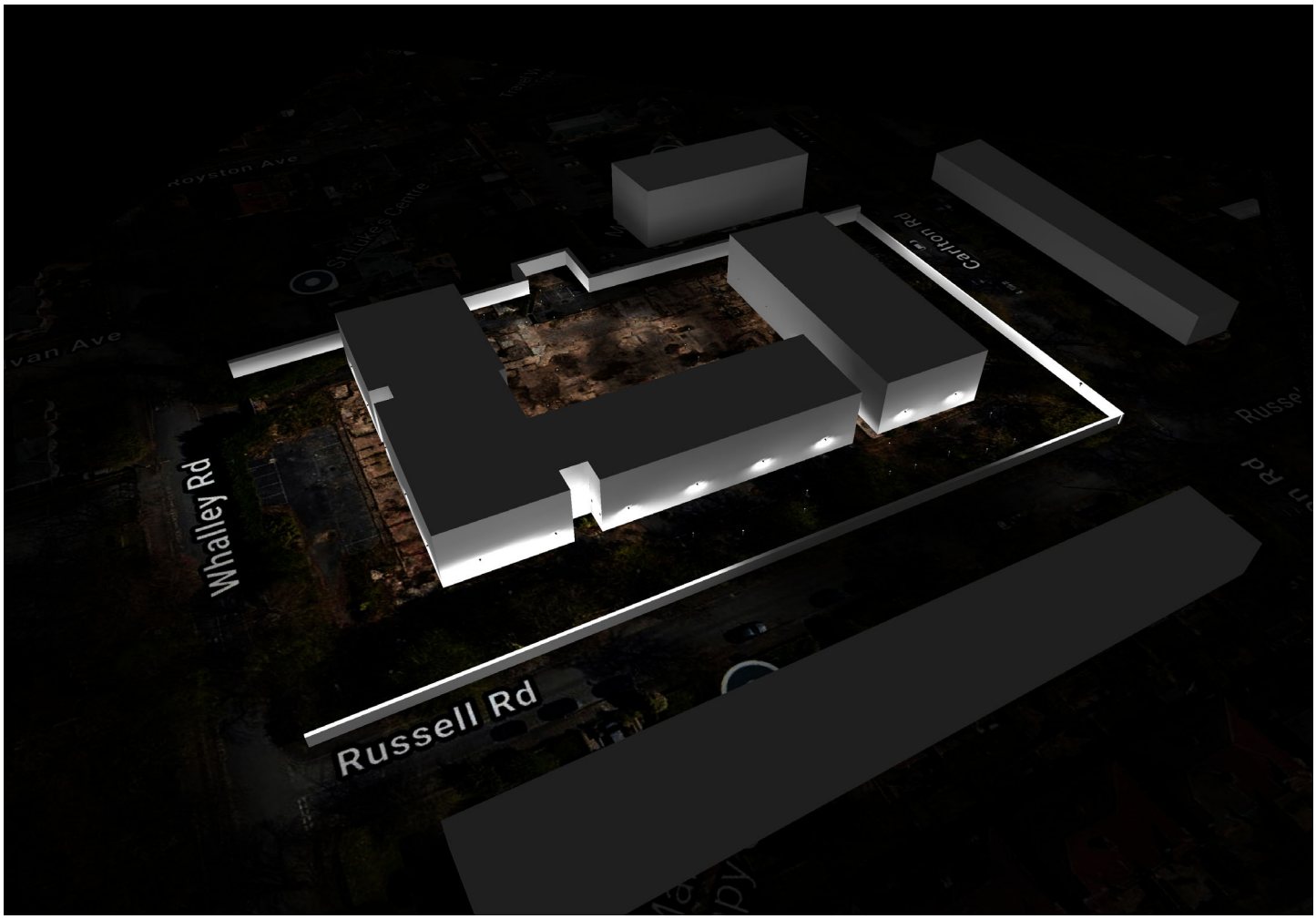
4 8 x 
Order No. : ATAUB/1 (10W 3000K)
Luminaire name : BOLLARDS - Taurus 3000K
Equipment : 1 x LED 9.7 W / 1147 lm

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

2 Exterior 1

2.3 Calculation results, Exterior 1, Light scene 1(C)

2.3.1 3D luminance, View 1

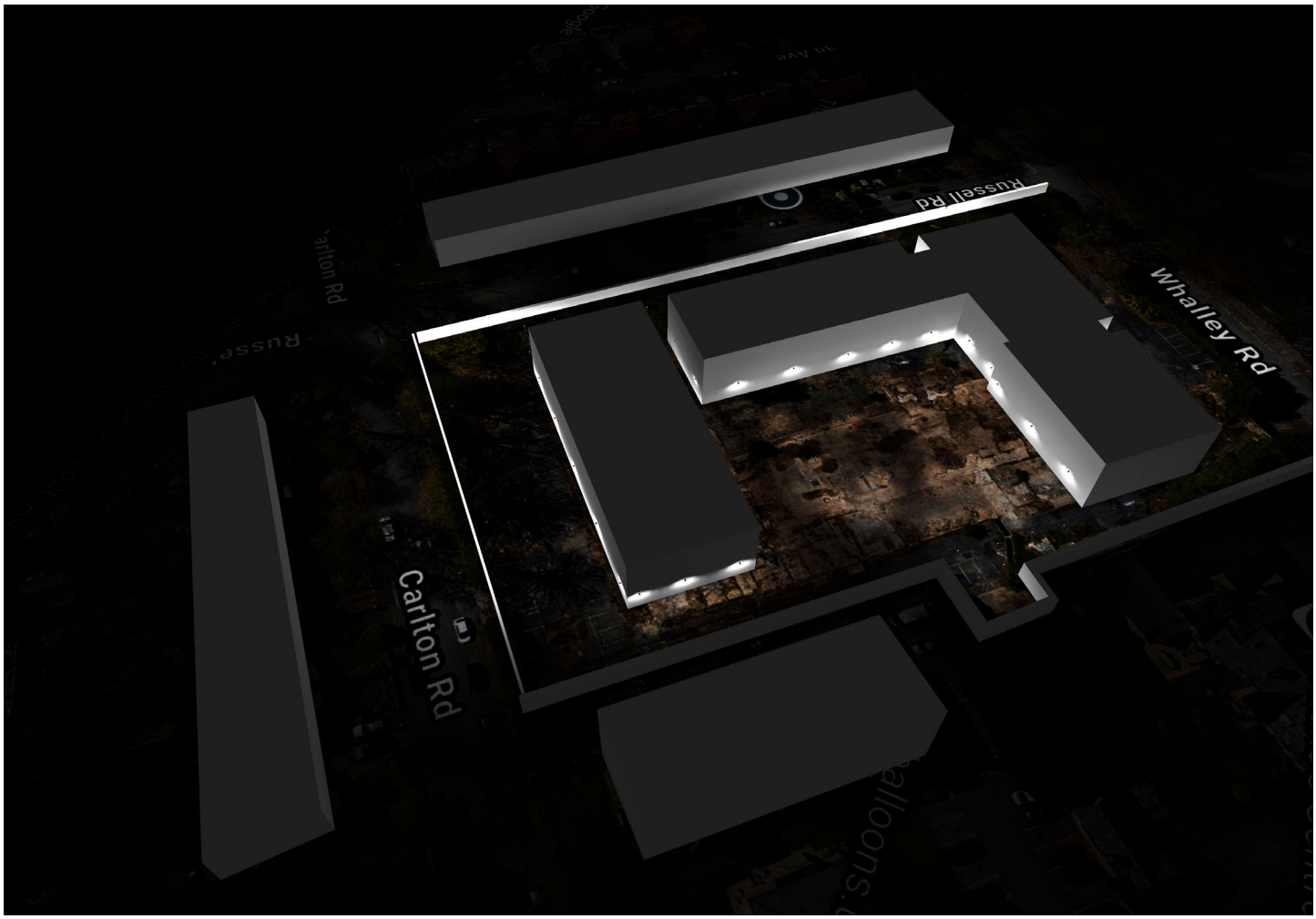


Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 41.6 cd/m²

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

2.3 Calculation results, Exterior 1, Light scene 1(C)

2.3.2 3D luminance, View 2

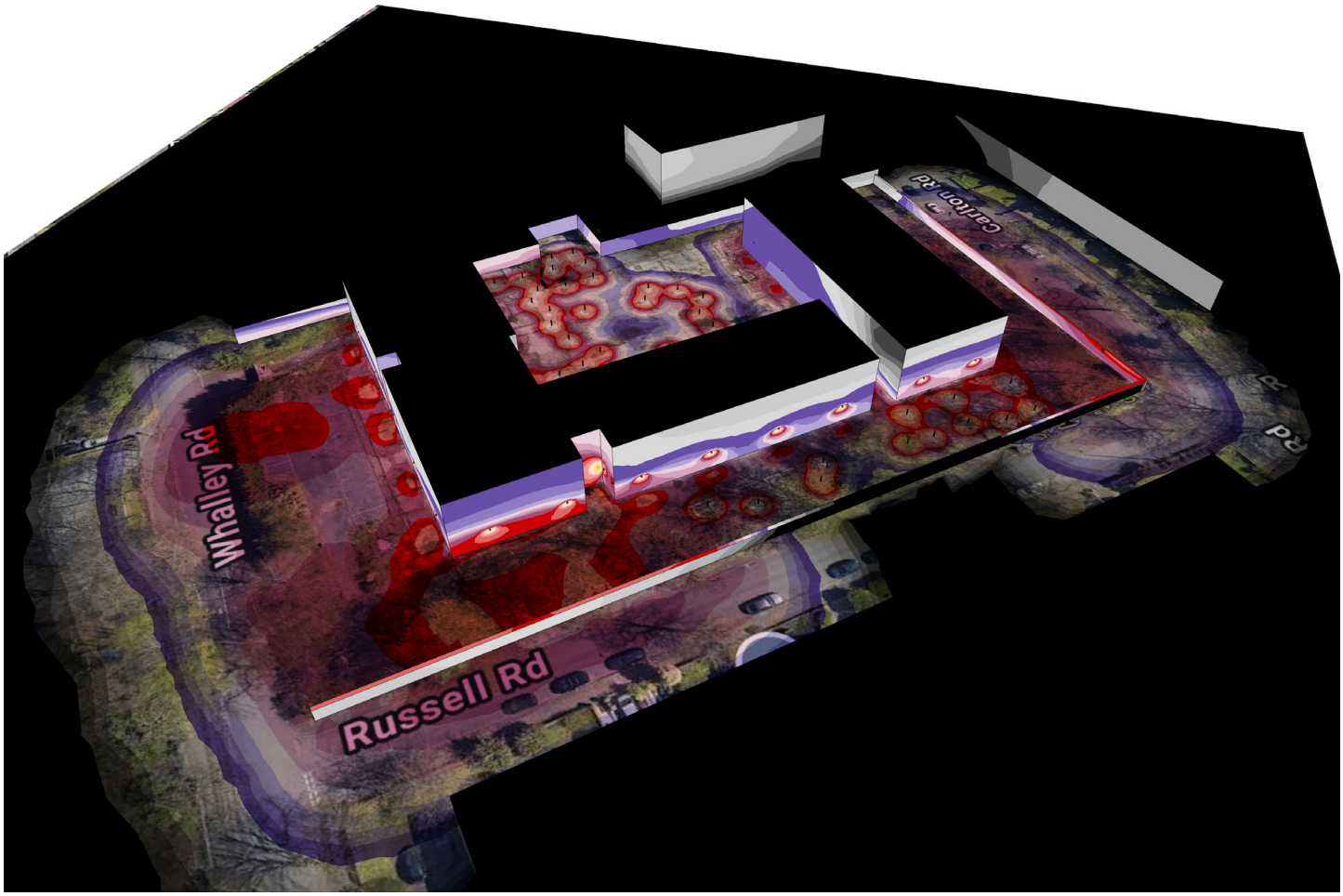


Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 41.6 cd/m²

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

2.3 Calculation results, Exterior 1, Light scene 1(C)

2.3.3 3D pseudo colours, View 1 (E)



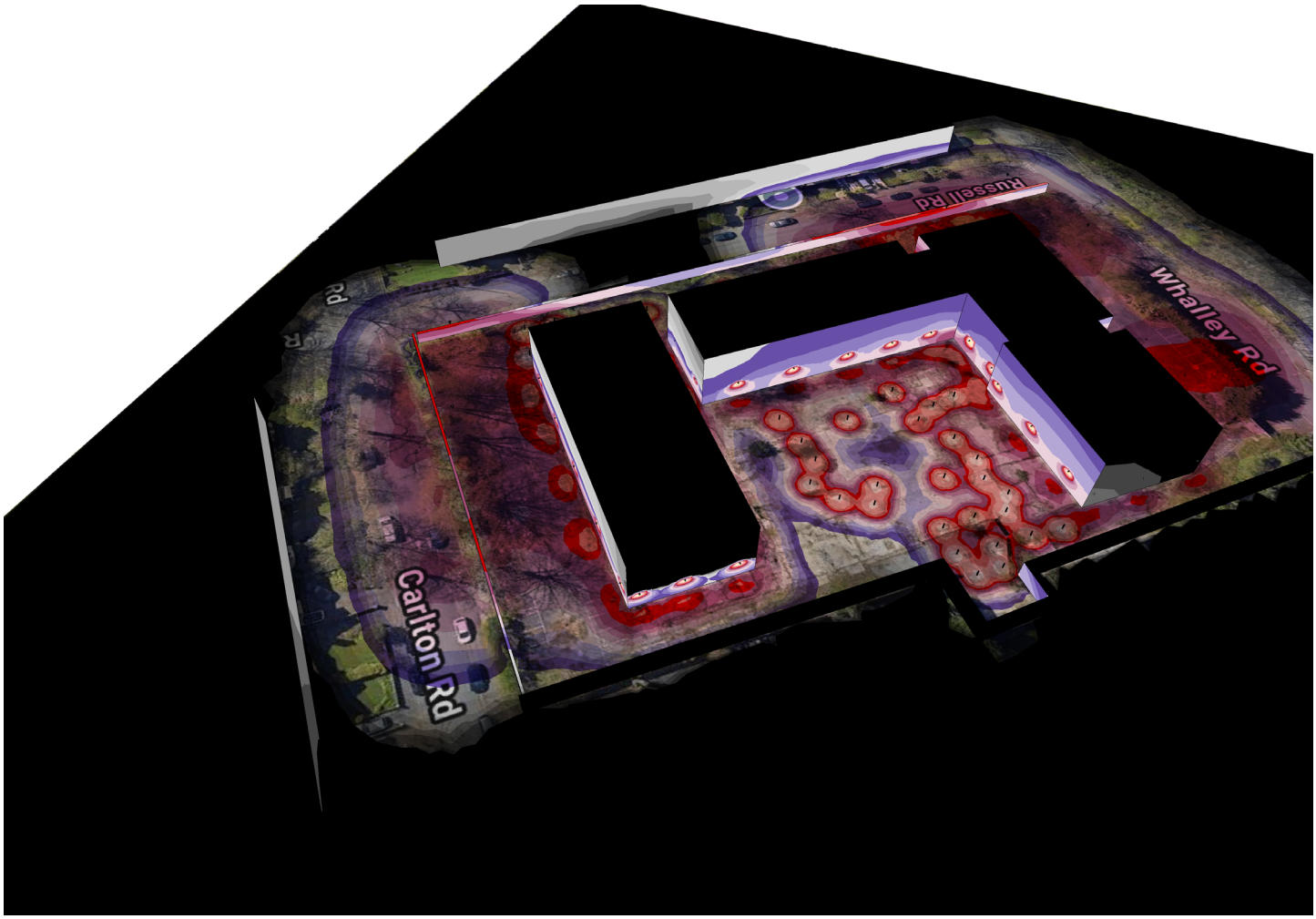


Illuminance [lx]

Object :
Installation : Proposed New Lighting
Project number :
Date : 25.06.2026

2.3 Calculation results, Exterior 1, Light scene 1(C)

2.3.4 3D pseudo colours, View 2 (E)





Illuminance [lx]