AVH Car Park

Installation : Proposed Lighting

Project number :
Customer :
Processed by : DWD
Date : 28.11.2023

Project description:
All designs are reviewed for evaluation purposes based solely on the drawings and information provided by the contractor/client/distributor at the time of submission.
It is the sole responsibility of the contractor/client to ensure that the design and installation complies with all relevant building regulations, including but not limited to, the local fire department, building planning control, British standards and health and safety regulations. It is expected that the contractor/client has carried out all and any necessary on-site risk assessments to ensure high risk or abnormal conditions are met with in the supplied brief.
In the event it is determined that the design does not comply with any such regulations, JCC may consult with the customer to make any necessary adjustments, at the contractors/client's sole cost and expense.
JCC does not warrant and shall not be liable for the accuracy of any designs or information contained within. JCC makes no express warranties, and disclaims all other warranties, whether implied or statutory. JCC shall not be liable for indirect, incidental, special, cover, reliance or consequential damages or lost profits resulting from the lighting designs installation and compliance with all relevant regulations.

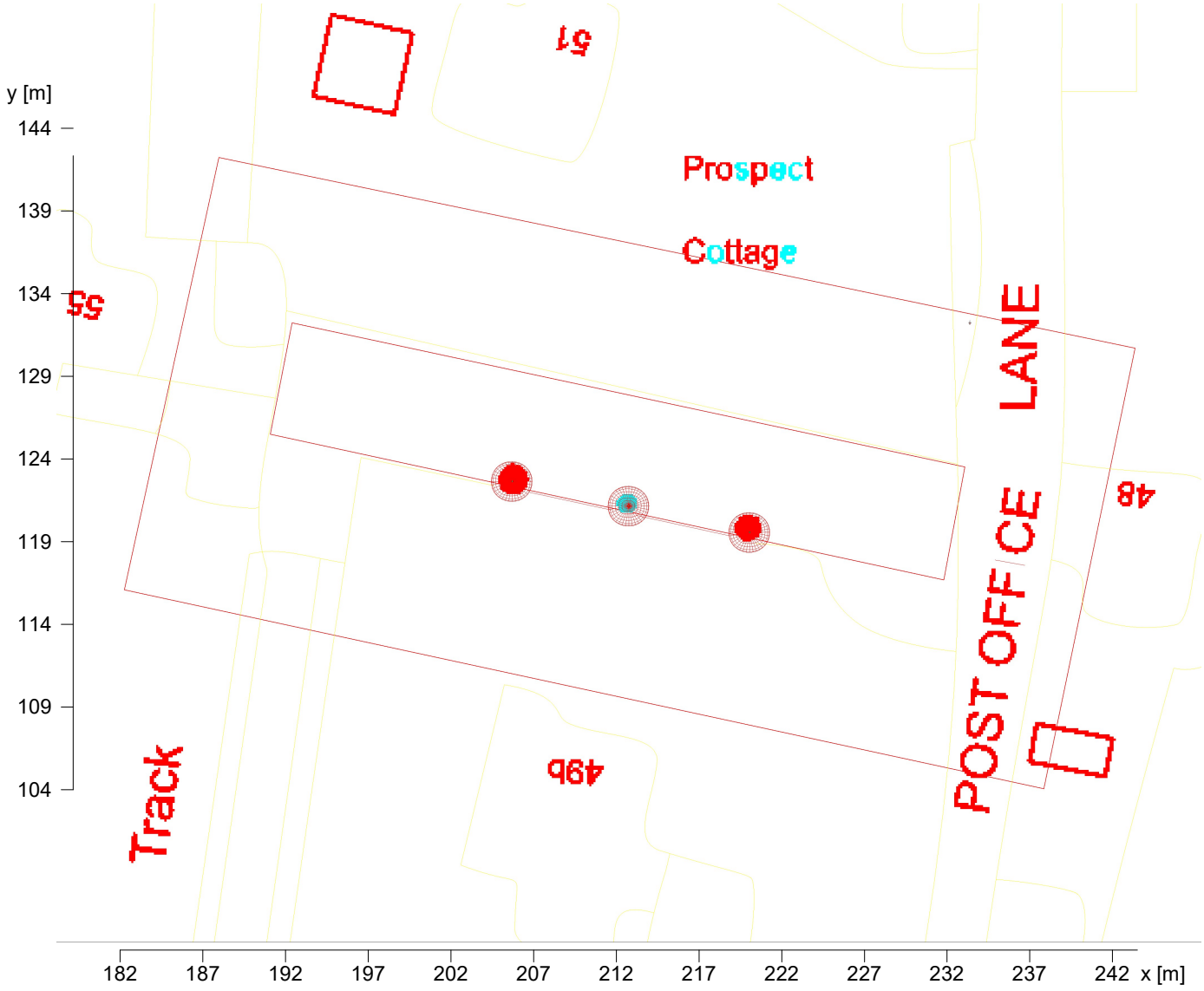
The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

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

1 Exterior 1

1.1 Description, Exterior 1

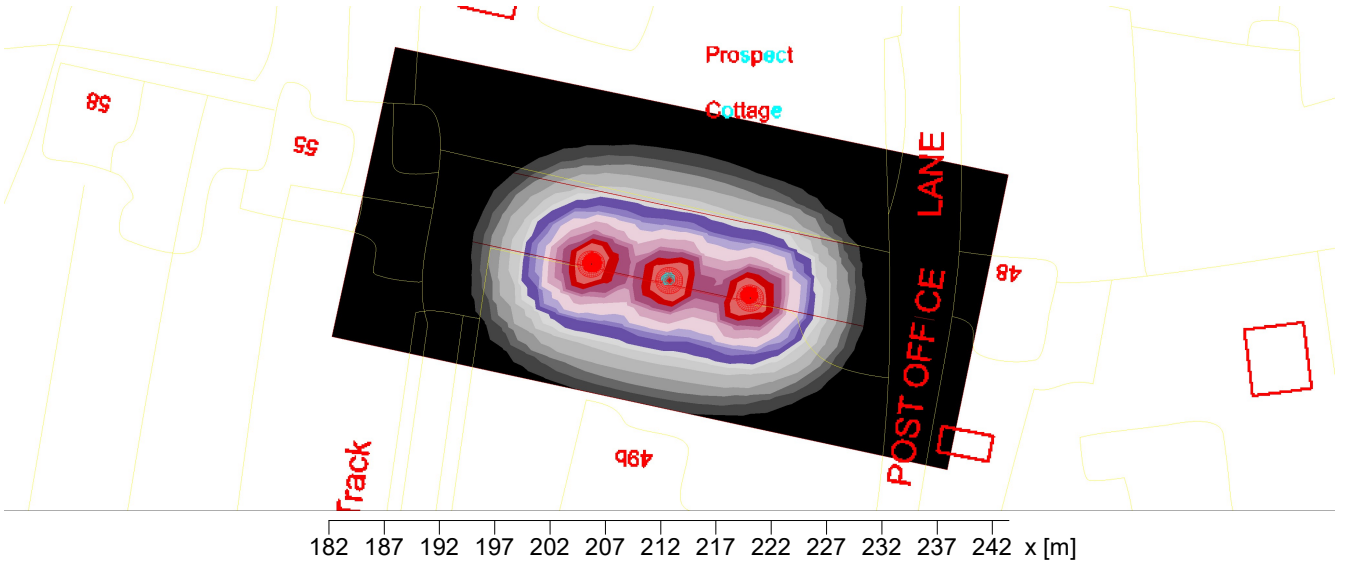
1.1.1 Floor plan

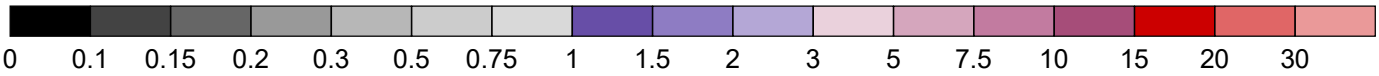


1 Exterior 1

1.2 Summary, Exterior 1

1.2.1 Result overview, Measuring area 1





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot.centre) [m]:	3.00 m
Maintenance factor	0.80
Total luminous flux	3000 lm
Total power	30 W
Total power per area (286.97 m²)	0.10 W/m²

Illuminance

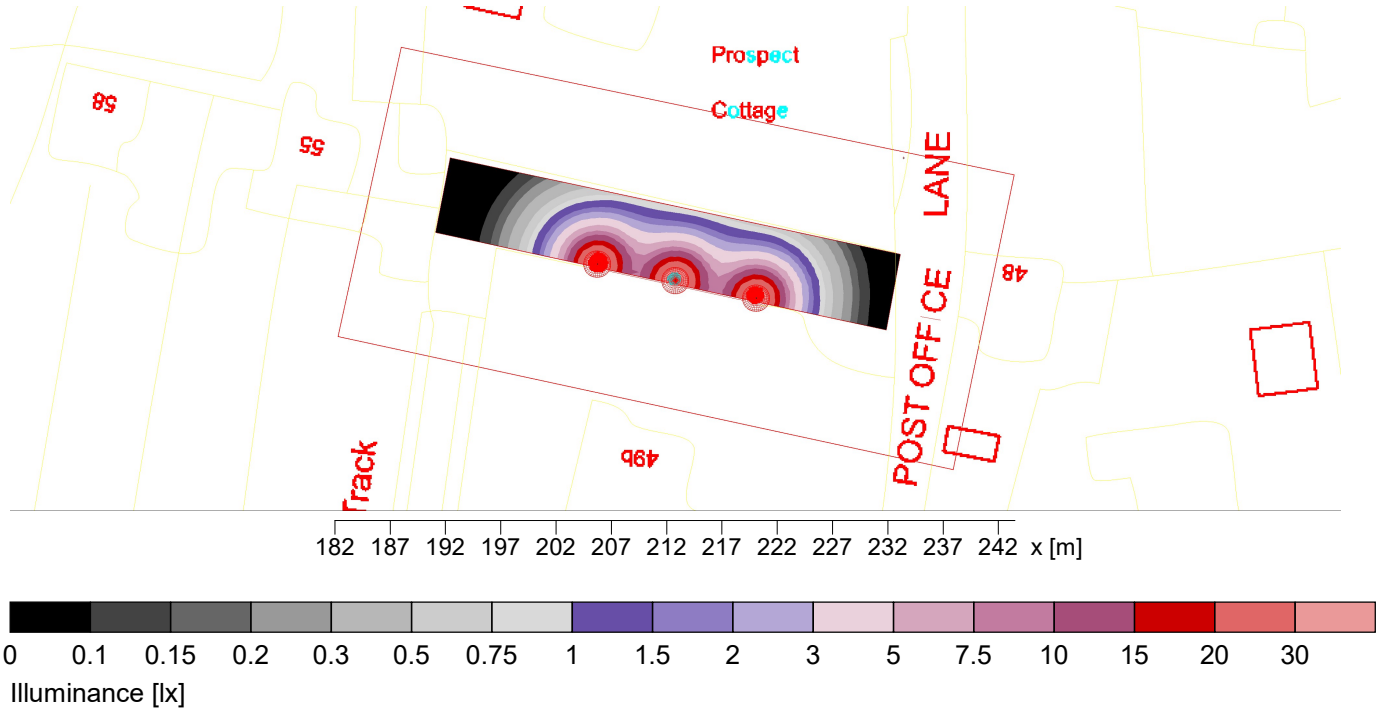
Average illuminance	$\bar{E}_m$	1.5 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	32 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:632 (0)
Diversity U_d	E_{min}/E_{max}	1:13400 (0)

Type No.\Make

		JCC	
1	3 x	Order No.	: JC091001
		Luminaire name	: Niteflood® LED Floodlight 10W IP65 4000K Black
		Equipment	: 1 x LED 10 W / 1000 lm

1.2 Summary, Exterior 1

1.2.2 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height (phot.centre)	3.00 m
Maintenance factor	0.80
Total luminous flux	3000.00 lm
Total power	30.0 W
Total power per area (286.97 m²)	0.10 W/m² (2.33 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**
	Horizontal
$\bar{E}_m$	4.5 lx
E_{min}	0.02 lx
$E_{min}/\bar{E}_m$ (U_o)	0.00
E_{min}/E_{max} (U_d)	0.00
Position	0.00 m

Type No.\Make

		JCC	
1	3 x	Order No.	: JC091001
		Luminaire name	: Niteflood® LED Floodlight 10W IP65 4000K Black
		Equipment	: 1 x LED 10 W / 1000 lm