

DATE: 12 January 2021
DESIGNER: Jade Kirkbride
PROJECT No: 0002151843
PROJECT NAME: Glynneath, Neath Port Talbot



Designed in accordance with BS5489-1:2020 to lighting class P4.

Assumed Environmental Zone - E3/E4 and 6 yearly cleaning regime lead to an MF value of 0.87.

Luminaire A - Proposed 6m mounting height column complete with post top mounted Thorn Isaro Pro S 12L50 ES 740 CLO CL1 2.61klm's. Luminaire's installed at 0° tilt.

Outdoor Lighting Report

This design drawing/information is for a lighting scheme which has been prepared for the client in collaboration with the client and other stakeholders and is based upon the pre-construction information provided. The lighting scheme should only be installed and maintained by competent persons and in accordance with the design drawing/information, applicable installation instructions and all applicable laws. No changes should be made to the design of the lighting scheme without formal written approval in advance from ZG Lighting (UK) limited, to ensure that any risks to health, safety and welfare from any proposed changes can be identified and properly assessed.

PREPARED BY: ZG Lighting (UK) Limited
Durhamgate
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DL16 6HL

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 287724.9m x 206423.7m
Area 135.4m x 251.0m
Sample Spacing 1.49m x 1.49m

Luminaires

Luminaire A Data

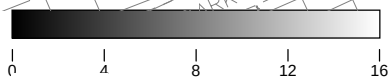
Supplier	
Type	Isaro PRO - 12 x Neutral White 4000K LED 500mA - ES Optic
Lamp(s)	LED
LampFlux(klm)/Colour	2.61 4000/70
File Name	IP12L50ES740G35_DC.LDT
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	573.3, 193.4, 0.0
No. in Project	10

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	287752.03	206653.33	6.00	185.00	0.00	0.00	0.45			
2	A	287739.88	206641.39	6.00	105.00	0.00	0.00	0.45			
3	A	287759.90	206625.51	6.00	198.00	0.00	0.00	0.45			
4	A	287770.41	206595.80	6.00	198.00	0.00	0.00	0.45			
5	A	287781.88	206566.90	6.00	198.00	0.00	0.00	0.45			
6	A	287783.20	206538.94	6.00	27.00	0.00	0.00	0.45			
7	A	287803.45	206513.69	6.00	53.00	0.00	0.00	0.45			
8	A	287815.49	206493.10	6.00	27.00	0.00	0.00	0.45			
9	A	287827.05	206467.42	6.00	25.00	0.00	0.00	0.45			
10	A	287836.88	206443.50	6.00	23.00	0.00	0.00	0.45			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	5.67
Emin	1.48
Emax	15.89
Emin/Emax	0.09
Emin/Eav	0.26