

West Sompting Phase 3

Design Summary

Client:	Persimmon Homes Thames Valley	Issue Date:	09/06/2026
Project Number:	3234	Revision:	A

Document Issue Schedule: NSA 104

Project Name:	West Sompting Phase 3									
Project Number:	3234	Issue Date:	09 June 2026							

	DD	08	09							
	MM	06	06							
	YY	26	26							

Document Schedule		Revision Details								
Doc Ref:	Title									
NSA105	Design Criteria document	*	A							
NSA106	Bill of Quantities	*	A							
NSA107	Project cost estimate									
NSA108	Cable Calculations									
NSA109	Risk Assessment	*	*							
	Local Authority Specification									
	Design consideration notes									
	Lighting Design Calculations	*	A							

Drawing Schedule										
DWG Ref	Title									
3234-NSA-D-01	Proposed Adopted Road Lighting and Illuminance Layout	*	A							
3234-NSA-D-01	Proposed private + qdopted Road Lighting and Illuminance		A							

Issue Schedule		Number of Copies								
Company	Name									
Persimmon Homes Thames Valley	Jaura Jackson	e	e							
Persimmon Homes Thames Valley	Amanda Tinwell	e	e							
Persimmon Homes Thames Valley	David Dawson		e							

emailed copy (AutoCAD format dwg unless detailed
e = otherwise
PDF = Electronic Adobe PDF format
number = number of copies issued
* = Pre revision version

Issued By	Nick Smith	Nick Smith								



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Project file download links

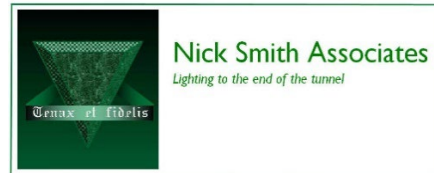
Project Name:	West Sompting Phase 3									
Project Number:	3234			Issue Date:	09 June 2026					

				DD	08	09								
				MM	06	06								
Drawings and Calculations Issue schedule				YY	26	26								
Rev	Link													
-	Taken Down			-										
Rev A	https://ln5.sync.com/dl/223e46960#heper53z-bcehpe2a-5wda85nk-epbxjx9j				A									

IF YOU CAN NOT ACCESS THIS LINK due to IT dept limitation PLEASE RING US 01246 229444 OR DROP AND EMAIL TO mail@nicksmithassociates.com we can send it another way

All links give access to all project specific file, PDF files, drawings and calculations. Links area available for 30 days from the date shown

Design Criteria Form: NSA 105



Avenue South

Project Data

Project Name:	West Sompting Phase 3		
Project Number:	3234	Revision:	A
Local Authority:	Sussex County Council		
Client:	Persimmon Homes Thames Valley		

Design Standard:

BS5489:2020		Class	P6
		Environmental Zone	E2
Luminance		Conflict Area	
Ave Cd/m ²	-	E _{ave}	-
U _o	-	U _o	-
U _L	-		
Illuminance			
E _{ave}	2		
E _{min}	0.4		
E _{Max Ave}	3		

Lantern Data

Lantern Manufacturer	Philips	IP Rating	IP66
Lantern Name	Luma	Optic Setting	DW50
Lantern Code	BGP702 DW50 BL1 2000 20LED 5.2S, CLS L90 727		

Column Data

Mounting Height	6 meters
Lantern Mounting	Post
Bracket fitted	No
Projection	0.4 meters
Inclination	0 degrees

Lamp Data

Wattage	13w
Lamp Type	LED

Maintenance Factor

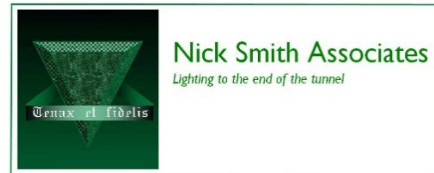
Lantern MF:	0.84
Lamp MF:	0.90
Project MF:	0.76

Column and Sign Supply Data

1. All columns are to be supplied by DNO supply
2. Lighting class has been lowered due to ecology activity

Prepared by:	N Smith	Date:	09/06/2026	Checked by:	N Smith	Date:	09/06/2026
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Design Criteria Form: NSA 105



Side roads

Project Data			
Project Name:		West Sompting Phase 3	
Project Number:		3234	Revision: A
Local Authority:		Sussex County Council	
Client:		Persimmon Homes Thames Valley	

Design Standard:		BS5489:2020	Class	P6	
			Environmental Zone	E2	
Luminance		Illuminance			
Ave Cd/m ²	-	E _{ave}	2	Conflict Area	
U _o	-	E _{min}	0.4	E _{ave}	-
U _L	-	E _{Max Ave}	3	U _o	-

Lantern Data			
Lantern Manufacturer	Philips	IP Rating	IP66
Lantern Name	Luma	Optic Setting	DM10
Lantern Code	BGP702 DW50 BL1 2600 20LED 5.2S, CLS L90 727		

Column Data	
Mounting Height	6 meters
Lantern Mounting	Post
Bracket fitted	No
Projection	0.4 meters
Inclination	0 degrees

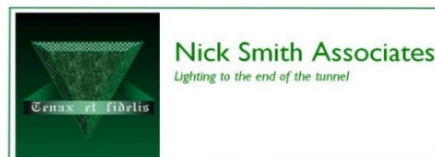
Lamp Data	
Wattage	5w, 7w and 11w
Lamp Type	LED

Maintenance Factor	
Lantern MF:	0.84
Lamp MF:	0.90
Project MF:	0.76

Column and Sign Supply Data	
1. All columns are to be supplied by DNO supply	
2. Lighting class has been lowered due to ecology activity	

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Lighting Class Criteria Form: NSA 116



Project Data			
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Local Authority:		Sussex County Council	
Client:		Persimmon Homes Thames Valley	

Lighting Class Derived from Table A5 (≤ 30 mph)

Traffic flow	Lighting class		
	Ambient luminance		
	Pedestrian and cyclists only	Speed limit $v \leq 30$ mph	Speed limit $v \leq 30$ mph
	E1 to E4	very low (E1) & Low (E2)	moderate (E3) & High (E4)
Busy ^{A)}	P5	P4	P3
Normal ^{B)}	P5	P5	P4
Quiet ^{C)}	P6	P5 (1*)	P4

Notes

1. Lighting class has been lowered to p6 due to ecology activity in the vicinity of the site

Chosen Lighting Levels

Class	Eave	Emin	Eave max
P6	2.00	0.40	3.00

A) Busy traffic flow refers to areas where the traffic usage is high and can be associated with local amenities such as clubs, shopping facilities, public houses, etc.

B) Normal traffic flow refers to areas where the traffic usage is of a level equivalent to a housing estate access road.

C) Quiet traffic flow refers to areas where the traffic usage is of a level equivalent to a residential road and mainly associated with the adjacent properties or properties on other equivalent roads accessed from this road.

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Bill of Quantities (NSA106-1300)

West Sompting Phase 3	Project Number 3234
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Item No	Description	Qty	Unit	Cost	Total
	<u>Series 1300: Road Lighting Columns and Brackets</u>				
13.01	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 BL1 1000 6LED 5.2S CLO L90 727 with white LED, Philips BL1 back shield integral driver 6 pin nema socket and mayflower GPS DALI node	16	no		
13.02	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 BL1 1400 6LED 5.2S CLO L90 727 with white LED, integral driver 6 pin nema socket and mayflower GPS DALI node	2	no		
13.03	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 BL1 1600 6LED 5.2S CLO L90 727 with white LED, Philips BL1 back shield, integral driver 6 pin nema socket and mayflower GPS DALI node	27	no		
13.04	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 1600 6LED 5.2S CLO L90 727 with warm white LED, integral driver 6 pin nema socket and mayflower GPS DALI node	2	no		
13.05	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DW50 BL1 1800 10LED 5.2S CLO L90 727) with warm white LED, Philips BL1 back shield, integral driver 6 pin nema socket and mayflower GPS DALI node	18	no		
				Total	



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Lighting to the end of the tunnel

West Sompting Phase 3	Project Number	3234
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Item No	Description	Qty	Unit	Cost	Total
	<u>Series 1300: Road Lighting Columns and Brackets</u>				
13.06	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (Luma Gen2 Micro_BGP702_DM10 BL1 1600 6LED_ 5.2S CLO L90_727) with white LED, Philips BL1 back shield integral driver 7 pin nema socket and 35 lux photocell and movement sensor fitted to the underside of the lantern	8	no		
13.07	Proposed steel galvanised 6m column with post mounted Philips Luma Micro gen 2 (BGP702_DW50 BL1_2000_10LED_5.2S_CLO_L90_727) with white LED, Philips BL1 back shield integral driver 7 pin nema socket and 35 lux photocell	4	no		
13.08	Proposed steel galvanised 6m column with double arm bracket having a 1m span and 2 no Philips Luma Micro gen 2 (BGP702 DW50 2000 10LED 5.2S CLO L90 727) with white LED integral driver 7 pin nema socket and 35 lux photocell	1	no		
				Total	

Elxon Codes (NSA 119)

West Sompting Phase 3	Project Number	3234
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Item no	Description	Charge Code	Switch Regime	Wattage	Qty	Buring Hours	Notes
13.01	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 BL1 1000 6LED 5.2S CLO L90 727 with white LED, Philips BL1 back shield integral driver 6 pin nema socket and mayflower GPS DALI node	42 0007 0000 100	821	7w	16	4154 hours	Controlled by CMS
13.02	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 BL1 1400 6LED 5.2S CLO L90 727 with white LED, integral driver 6 pin nema socket and mayflower GPS DALI node	42 0008 0000 100	821	9w	2	4154 hours	Controlled by CMS
13.03	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 BL1 1600 6LED 5.2S CLO L90 727 with white LED, Philips BL1 back shield, integral driver 6 pin nema socket and mayflower GPS DALI node	42 0009 0000 100	821	9w	27	4154 hours	Controlled by CMS

Elxon Codes (NSA 119)

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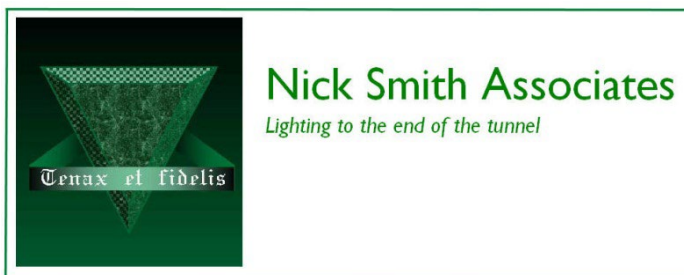
Item no	Description	Charge Code	Switch Regime	Wattage	Qty	Buring Hours	Notes
13.04	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 1600 6LED 5.2S CLO L90 727 with warm white LED, integral driver 6 pin nema socket and mayflower GPS DALI node	42 0009 0000 100	821	9w	2	4154 hours	Controlled by CMS
13.05	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DW50 BL1 1800 10LED 5.2S CLO L90 727) with warm white LED, Philips BL1 back shield, integral driver 6 pin nema socket and mayflower GPS DALI node	42 0011 0000 100	821	11w	18	4154 hours	Controlled by CMS
13.06	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (Luma Gen2 Micro_BGP702_DM10 BL1 1600 6LED_ 5.2S CLO L90_727) with white LED, Philips BL1 back shield integral driver 7 pin nema socket and 35 lux photocell and movement sensor fitted to the underside of the lantern	42 0009 0000 100	808	9w	8	4154 hours	

Elxon Codes (NSA 119)

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Item no	Description	Charge Code	Switch Regime	Wattage	Qty	Buring Hours	Notes
13.07	Proposed steel galvanised 6m column with post mounted Philips Luma Micro gen 2 (BGP702_DW50 BL1_2000_10LED_5.2S_CLO_L90_727) with white LED, Philips BL1 back shield integral driver 7 pin nema socket and 35 lux photocell	42 0013 0000 100	808	13w	6	4154 hours	Controlled by CMS



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