

Littlehampton Phase 6A & 6b

Design Summary

Client:	Persimmon Homes Thames Valley	Issue Date:	15/12/2025
Project Number:	3145	Revision:	Rev A

Document Issue Schedule: NSA 104

Project Name:	Littlehampton Phase 6A & 6b									
Project Number:	3145	Issue Date:	15 December 2025							

	DD	05	08	15						
	MM	12	12	12						
	YY	25	25	25						

Document Schedule										
Doc Ref:	Title	Revision Details								
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	*		*						

Drawing Schedule										
DWG Ref	Title									
3145-D-01	Proposed Road Lighting and Illuminance Layout	*								
3145-D-02	Proposed Road Lighting and Illuminance Layout	*								
3145-D-10	Proposed Private Road Lighting and Illuminance Layout	*	A	A						
3145-D-11	Proposed Private Road Lighting and Illuminance Layout	*	A	A						
3145-D-12	Proposed Private Road Lighting and Illuminance Layout	*	A	A						

Issue Schedule										
Company	Name	Number of Copies								
Persimmon Homes Thames Valley	Laura Jackson	e	e	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	Nick Smith							
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Project file download links

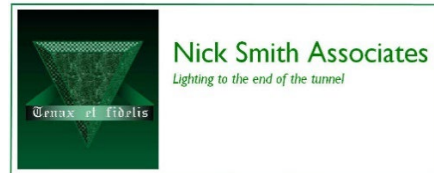
Project Name:	Littlehampton Phase 6A & 6b									
Project Number:	3145	Issue Date:	15 December 2025							

		DD	05	08	15					
		MM	12	12	12					
		YY	25	25	25					
Drawings and Calculations Issue schedule										
Rev	Link									
-	Taken Down	-								
Rev A	https://ln5.sync.com/dl/01405b030#ueythzi2-qfjthfaj-smvt7kfm-fuqqewbk		A	A						

IF YOU CAN NOT ACCESS THIS LINK due to IT dept limitation PLEASE RING US [REDACTED] OR DROP AND EMAIL TO [REDACTED] 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



Adopted road 8.8m & 9.8m

Project Data

Project Name:	Littlehampton Phase 6A & 6b		
Project Number:	3145	Revision:	Rev A
Local Authority:	West Sussex Council		
Client:	Persimmon Homes Thames Valley		

Design Standard:	BS5489:2020	Class	P5
		Environmental Zone	E2
Luminance	Illuminance	Conflict Area	
Ave Cd/m ²	E _{ave}	E _{ave}	-
U _o	E _{min}	U _o	-
U _L	E _{Max Ave}		

Lantern Data

Lantern Manufacturer	Philips	IP Rating	IP66
Lantern Name	Luma Micro	Optic Setting	DM10
Lantern Code	BGP702_DM10_2200_10LED_5.2S_CLO_L90_730		

Column Data

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

Lamp Data

Wattage	14w
Lamp Type	LED

Maintenance Factor

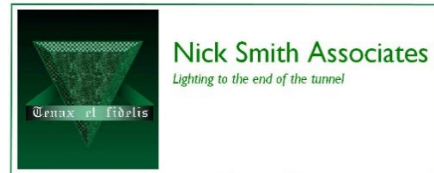
Lantern MF:	0.92
Lamp MF:	0.90
Project MF:	0.83

Column and Sign Supply Data

1. All columns are to be supplied by DNO supply

Prepared by:	N Smith	Date:	15/12/2025	Checked by:	N Smith	Date:	15/12/2025
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Design Criteria Form: NSA 105



Adopted road 10.5m

Project Data

Project Name:	Littlehampton Phase 6A & 6b		
Project Number:	3145	Revision:	Rev A
Local Authority:	West Sussex Council		
Client:	Persimmon Homes Thames Valley		

Design Standard:	BS5489:2020	Class	P5
		Environmental Zone	E2
Luminance	Illuminance	Conflict Area	
Ave Cd/m ²	E _{ave}	E _{ave}	-
U _o	E _{min}	U _o	-
U _L	E _{Max Ave}		

Lantern Data

Lantern Manufacturer	Philips	IP Rating	IP66
Lantern Name	Luma Micro	Optic Setting	DW50
Lantern Code	BGP702_DW50_2400_10LED_5.2S_CLO_L90_730		

Column Data

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

Lamp Data

Wattage	15w
Lamp Type	LED

Maintenance Factor

Lantern MF:	0.92
Lamp MF:	0.90
Project MF:	0.83

Column and Sign Supply Data

1. All columns are to be supplied by DNO supply

Prepared by:	N Smith	Date:	15/12/2025	Checked by:	N Smith	Date:	15/12/2025
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Lighting Class Criteria Form: NSA 116



Nick Smith Associates
Lighting to the end of the tunnel

Project Data

Project Name:	Littlehampton Phase 6A & 6b		
Project Number:	3145	Revision:	Rev A
Local Authority:	West Sussex 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	P4

Notes

Chosen Lighting Levels

Class	Eave	Emin	Eave max
P5	3.00	0.60	4.50

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.

Prepared by:	N Smith	Date:	15/12/2025	Checked by:	N Smith	Date:	15/12/2025
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Bill of Quantities (NSA106-1300)

Littlehampton Phase 6A & 6b	Project Number	3145
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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 DW50 2400 10LED 5.2S CLO L90 730 with warm white LED, integral driver 6 pin nema socket and mayflower GPS DALI node15	15	no		
13.02	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 2000 10LED 5.2S CLO L90 730 with warm white LED, integral driver 6 pin nema socket and mayflower GPS DALI node	34	no		
13.03	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 BL1 2200 10LED 5.2S CLO L90 730 with white LED, Philips BL1 back shield, integral driver 6 pin nema socket and mayflower GPS DALI node	9	no		
13.04	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 BL1 1400 6LED 5.2S CLO L90 730 with white LED, Philips BL1 back shield 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 DM10 BL1 1400 6LED 5.2S CLO L90 730 with white LED, integral driver 6 pin nema socket and mayflower GPS DALI node	10	no		
				Total	

Form No: NSA106

Issue Date: Aug 2004



Nick Smith Associates
Lighting to the end of the tunnel



Nick Smith Associates
Lighting to the end of the tunnel

Littlehampton Phase 6A & 6b	Project Number	3145
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Elxon Codes (NSA 119)

Littlehampton Phase 6A & 6b	Project Number	3145
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Prepared by: N Smith	Date: 15/12/2025	Checked by: N Smith	Date: 15/12/2025	Revision	Rev A
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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 DW50 2400 10LED 5.2S CLO L90 730 with warm white LED, integral driver 6 pin nema socket and mayflower GPS DALI node15	42 0015 0000 100	821	15w	15	4154 hours	
13.02	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 2000 10LED 5.2S CLO L90 730 with warm white LED, integral driver 6 pin nema socket and mayflower GPS DALI node	42 0014 0000 100	821		34	4154 hours	
13.03	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 BL1 2200 10LED 5.2S CLO L90 730 with white LED, Philips BL1 back shield, integral driver 6 pin nema socket and mayflower GPS DALI node	42 0015 0000 100	821		9	4154 hours	

Elxon Codes (NSA 119)

Littlehampton Phase 6A & 6b	Project Number	3145
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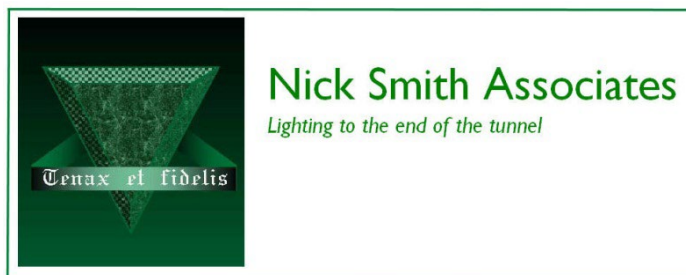
Item no	Description	Charge Code	Switch Regime	Wattage	Qty	Buring Hours	Notes
13.04	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 BL1 1400 6LED 5.2S CLO L90 730 with white LED, Philips BL1 back shield integral driver 6 pin nema socket and mayflower GPS DALI node	42 0010 0000 100	821	10w	2	4154 hours	
13.05	Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 BL1 1400 6LED 5.2S CLO L90 730 with white LED, integral driver 6 pin nema socket and mayflower GPS DALI node	42 0010 0000 100	821	10w	10	4154 hours	
13.06	Private steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DW50 2400 10LED 5.2S CLO L90 730 with warm white LED, integral driver 7 pin nema socket and 35 lux photocell set to switch on at 35 lux	42 0015 0000 100	808	15w	4	4107 hours	

Elxon Codes (NSA 119)

Littlehampton Phase 6A & 6b	Project Number	3145
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Item no	Description	Charge Code	Switch Regime	Wattage	Qty	Buring Hours	Notes
13.07	Private steel galvanised 6m column with post mounted Philips Luma Micro (BGP702 DM10 2200 10LED 5.2S CLO L90 730 with warm white LED, integral driver 7 pin nema socket and 35 lux photocell set to switch on at 35 lux	42 0015 0000 100	808	15w	31	4107 hours	
13.08	Private steel galvanised mid hinged 6m column with post mounted Philips Luma Micro (BGP702 DN10 BL1 1400 6 LED 5.2S CLO L90 730 with warm white LED, integral driver 7 pin nema socket and 35 lux photocell set to switch on at 35 lux	42 0010 0000 100	808	10w	6	4107 hours	



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