

# Denford Road, Ringstead, Kettering, Northamptonshire

## Design Summary

Client:	Paul Newman Homes	Issue Date:	18/10/2023
Project Number:	2985	Revision:	-



**Document Issue Schedule: NSA 104**

<b>Project Name:</b>	Denford Road, Ringstead, Kettering, Northamptonshire		
<b>Project Number:</b>	2985	<b>Issue Date:</b>	18 October 2023

	DD	18											
	MM	10											
	YY	23											

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

Drawing Schedule													
DWG Ref	Title												
2985-D-01	Proposed Road Lighting and Illuminance Layout	*											

Issue Schedule		Number of Copies											
Company	Name												
Paul Newman Homes	Adrian Cattell	e											
Kevin R Twigger & Associates	Kevin Twigger	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												
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**Project file download links**

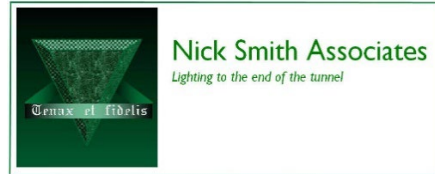
<b>Project Name:</b>	Denford Road, Ringstead, Kettering, Northamptonshire		
<b>Project Number:</b>	2985	<b>Issue Date:</b>	18 October 2023

<b>Drawings and Calculations Issue schedule</b>	DD	18								
	MM	10								
	YY	23								

Rev	Link									
-	<a href="https://ln5.sync.com/dl/41de12a90/wxrecb2n-cb4psz9p-a4sjwbxm-5dki3e45">https://ln5.sync.com/dl/41de12a90/wxrecb2n-cb4psz9p-a4sjwbxm-5dki3e45</a>	-								

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



On site

<b>Project Data</b>			
<b>Project Name:</b>	Denford Road, Ringstead, Kettering, Northamptonshire		
<b>Project Number:</b>	2985	<b>Revision:</b>	-
<b>Local Authority:</b>	Northamptonshire Highways		
<b>Client:</b>	Paul Newman Homes		

<b>Design Standard:</b>	BS5489:2020	<b>Class</b>	P6
		<b>Environmental Zone</b>	E2
<b>Luminance</b>	<b>Illuminance</b>		<b>Conflict Area</b>
Ave Cd/m <sup>2</sup>	-	E <sub>ave</sub>	2
U <sub>o</sub>	-	E <sub>min</sub>	0.4
U <sub>L</sub>	-	E <sub>Max Ave</sub>	3
		E <sub>ave</sub>	-
		U <sub>o</sub>	-

<b>Lantern Data</b>			
<b>Lantern Manufacturer</b>	D W Windsor	<b>IP Rating</b>	IP66
<b>Lantern Name</b>	Windsor	<b>Optic Setting</b>	A1
<b>Lantern Code</b>	Windsor Street -LX3- 16LED-3k-A1 250mA		

<b>Column Data</b>	
<b>Mounting Height</b>	6 meters
<b>Lantern Mounting</b>	Post
<b>Bracket fitted</b>	No
<b>Projection</b>	0 meters
<b>Inclination</b>	0 degrees

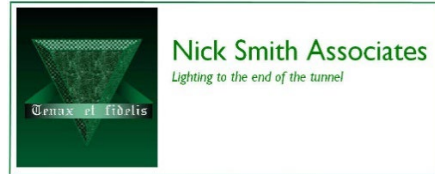
<b>Lamp Data</b>	
<b>Wattage</b>	14w
<b>Lamp Type</b>	LED

<b>Maintenance Factor</b>	
<b>Lantern MF:</b>	0.92
<b>Lamp MF:</b>	0.90
<b>Project MF:</b>	0.83

<b>Column and Sign Supply Data</b>
1. All columns are to be supplied by DNO supply

<b>Prepared by:</b> N Smith	<b>Date:</b> 18/10/2023	<b>Checked by:</b> N Smith	<b>Date:</b> 18/10/2023
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# Design Criteria Form: NSA 105



off site

Project Data			
Project Name:	Denford Road, Ringstead, Kettering, Northamptonshire		
Project Number:	2985	Revision:	-
Local Authority:	Northamptonshire Highways		
Client:	Paul Newman Homes		

Design Standard:		BS5489:2020	Class	P6	
Luminance		Environmental Zone		E2	
Illuminance		Conflict Area			
Ave Cd/m <sup>2</sup>	-	E <sub>ave</sub>	2	E <sub>ave</sub>	-
U <sub>o</sub>	-	E <sub>min</sub>	0.4	U <sub>o</sub>	-
U <sub>L</sub>	-	E <sub>Max Ave</sub>	3		

Lantern Data			
Lantern Manufacturer	D W Windsor	IP Rating	IP66
Lantern Name	Windsor	Optic Setting	D1
Lantern Code	KIRIUM PRO MINI 16LED 3k D1 200mA		

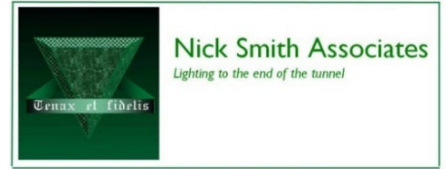
Column Data	
Mounting Height	6 meters
Lantern Mounting	Post
Bracket fitted	No
Projection	0.4 meters
Inclination	0 degrees

Lamp Data	
Wattage	10w
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:	18/10/2023	Checked by:	N Smith	Date:	18/10/2023
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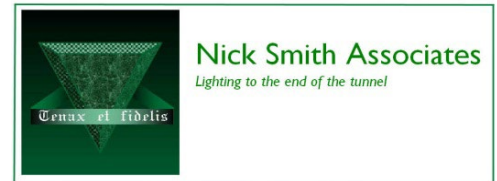
### Bill of Quantities (NSA106-1300)

Denford Road, Ringstead, Kettering, Northamptonshire	Project Number	2985
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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 Cardiff embellishment kit , DW Windsor lantern (Windsor Street -LX3- 16LED-3k-A1 250mA) with warm white LED with 1480 lumen output, DALI Extreme ballast, and Telensa 2 part telecell and twig antenna (see note 8 & 10) All finished RAL9005 Black Finish	8	no		
13.02	Proposed steel galvanised 6m column with DW Windsor Kirium Pro mini (KIRIUM PRO MINI 16LED 3k D1 200mA) with warm white LED with 1310 lumen output, DALI Extreme ballast, 7 pin nema and Telensa 5 pin nema with GPS product code T2E1N G-3,(see note 8 & 10)	4	no		

Total Form No: NSA106  
Issue Date: Aug 2004





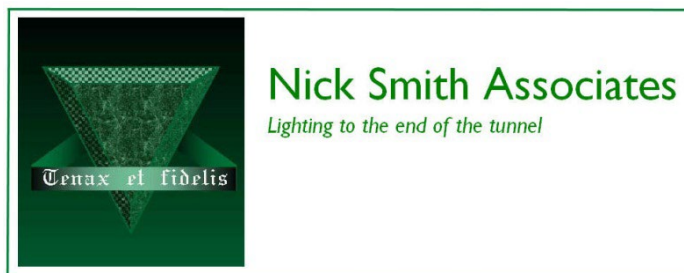
## Elxon Codes (NSA 119)

Denford Road, Ringstead, Kettering, Northamptonshire	Project Number 2985
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Prepared by: N Smith	Date: 18/10/2023	Checked by: N Smith	Date: 18/10/2023	Revision: -
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Item no	Description	Charge Code	Switch Regime	Wattage	Qty	Buring Hours	Notes
13.01	Proposed steel galvanised 6m column with Cardiff embellishment kit , DW Windsor lantern (Windsor Street -LX3- 16LED-3k-A1 250mA) with warm white LED with 1480 lumen output, DALI Extreme ballast, and Telensa 2 part telecell and twig antenna (see note 8 & 10) All finished RAL9005 Black Finish	42 0014 0000 100	821	14w	8	4150	
13.02	Proposed steel galvanised 6m column with DW Windsor Kirium Pro mini (KIRIUM PRO MINI 16LED 3k D1 200mA) with warm white LED with 1310 lumen output, DALI Extreme ballast, 7 pin nema and Telensa 5 pin nema with GPS product code T2E1N G-3,(see note 8 & 10)	42 0010 0000 100	821	10w	4	4150	





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