

**ROAD LIGHTING ELECTRICAL INSTALLATION CERTIFICATE**  
**(Requirements for Electrical Installations – BS7671 (IET Wiring Regulations))**

**(1)** (See notes page 6)

Reference Number					
Details of the Installation	New		Alteration to Existing		Addition to Existing

Project Name		Client	
Address			

**Highway Distribution Unit / Termination Pillar (6)**

HDU Ref No		Control Column Ref No	
Location			

**Section 1: Design**

I/We being the person(s) responsible (as indicated by my/our signatures below) for the design of the electrical installation, particulars of which are described on page 3 of this form, having exercised reasonable skill and care when carrying out the design, CERTIFY that the said work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with current edition of BS7671, amended to ..... (date) except for the departures, if any, detailed as follows:

Details of departures from BS7671 (Regulations 120.3 and 133.5)	
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The extent of liability of the signatory is limited to the work described above as the subject to this Certificate.

**For the DESIGN of the Installation**

Name (Block Letters)		Position	
For and on behalf of			
Address			
Signature		Date(3)	

**Section 2: Construction**

I/We being the person(s) responsible (as indicated by my/our signatures below) for the construction of the electrical installation, particulars of which are described on page 3 of this form, having exercised reasonable skill and care when carrying out the construction, CERTIFY that the said work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with current edition of BS7671, amended to ..... (date) except for the departures, if any, detailed as follows:

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The extent of liability of the signatory is limited to the work described above as the subject to this Certificate.

**For the CONSTRUCTION of the Installation**

Name (Block Letters)		Position	
For and on behalf of			
Address	Ayrshire Roads Alliance Johnnie Walker Bond 15 Strand Street KILMARNOCK KA1 1HU		
Signature		Date(3)	

**Section 3: Inspection & Testing**

I/We being the person(s) responsible (as indicated by my/our signatures below) for the inspection & testing of the electrical installation, particulars of which are described on page 3 of this form, having exercised reasonable skill and care when carrying out the inspection & testing, CERTIFY that the said work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with current edition of BS7671, amended to ..... (date) except for the departures, if any, detailed as follows:

Details of departures from B7671 (Regulations 120.3 and 133.5)	
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The extent of liability of the signatory is limited to the work described above as the subject to this Certificate.

**For the INSPECTION AND TESTING of the Installation**

Name (Block Letters)		Position	
For and on behalf of	<b>AYRSHIRE ROADS ALLIANCE</b>		
Address	<b>JOHNNIE WALKER BOND, 15 STRAND STREET, KILMARNOCK, KA1 1HU</b>		
<i>I recommend that this installation be further inspected after an interval of no more than 6 years.</i>			
Signature (2)		Date(3)	

### Section 4: Supply Characteristics and Earthing Arrangements

Earthing Arrangements (Tick boxes and enter details as appropriate)									
TN-C		TN-S		TN-C-S		TT		IT	
No of Phases									

Nature of Supply Parameters	Ascertained by Enquiry	Ascertained by Measurement	
Nominal voltage $U/U_0$			V
Prospective fault current $I_{pf}$			kA
External loop impedance ( $Z_e$ )			$\Omega$

Supply Protective Device Characteristics	Type		Rated current		A
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#### Particulars of Installation Referred to in the Certificate

(Tick boxes and enter details as appropriate)

Maximum demand (load)	KVA / Amps (Delete as appropriate)	
Details of Installation Earth Electrodes		
Unit Ref	Location	Resistance $\Omega$ (only as required)

Main Protective Conductors	Earthing Conductor	Main Protective bonding Conductors
Material		
CSA <span style="float: right;">mm<sup>2</sup></span>		
Connection verified		

Main Switch of Circuit - Breaker			
BS Type and No. of Poles		Current Rating	A

Rated residual operating current  $I_{\Delta n}$  = ..... mA, and operating time of ..... ms (at  $I_{\Delta n}$ )  
 if an RCD is suitable and is used as a main circuit breaker)

**Comments on Existing Installation (in the case of an addition or alteration see Section 633)**

**Schedules**

The attached schedules are part of this document and this Certificate is valid only when they are attached to it.

..... Schedules of Test Results are attached. (Enter quantity of schedules attached)

# SCHEDULE OF TEST RESULTS FOR ROAD LIGHTING (7)

H.D.U. Ref: \_\_\_\_\_ Supply Col. Ref: \_\_\_\_\_ Street: \_\_\_\_\_ Location: \_\_\_\_\_

Supply Owner	Scottish Power	
	East Ayrshire	
	Other (Please Specify)	

Regime	Live	
	Switched	

Characteristics of the supply at the origin of the installation (313.01)	Supply Voltage	V
	Prospective Fault Current	kA
	External loop impedance ( $Z_e$ )	$\Omega$

Heater Wattage	
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Type of Supply	TN-C	TN-S	TN-C-S	TT

Confirmation of Supply Polarity	
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Instruments	Loop Impedance Meter	
	Insulation Resistance Meter	
	Voltage Meter	

Circuit Description / No	Overcurrent Device Short-circuit Capacity: ..... kA		Wiring Conductors		Continuity		Insulation Resistance		Polarity	Full Load Current	Full Load Power Factor	Remote End				
	Type	Rating $I_n$ A	Live $mm^2$	CPC $mm^2$	( $R_1+R_2$ ) * $\Omega$	$R_2$ * $\Omega$	Live/ Live $M\Omega$	Live/ Earth $M\Omega$				Earth Loop Impedance $Z_s$ $\Omega$	Voltage V	Unit Ref.	Streetname	
	1	2	3	4	5	6	7	9				10	11	12	13	14

\* Complete column 6 or 7

Deviations from BS7671: IET Wiring Regulations and Special Notes:

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Signature : \_\_\_\_\_ Test Date : \_\_\_\_\_ (5) Page \_\_\_\_ of \_\_\_\_

**Explanatory Notes**

- 1 The Electrical Installation Certificate is to be used only for the initial certification of a new installation or for an addition or alteration to an existing installation where new circuits have been introduced. The “original” Certificate is to be given to the client. A duplicate should be retained by the contractor.
  
- 2 The signatures appended are those of the Competent persons authorised by the companies executing the work of design, construction and inspection and testing respectively. A signatory authorised to certify more than one category of work should sign in each of the appropriate places.
  
- 3 Dates to be inserted.
  
- 4 Where particulars of the installation recorded herein constitute a sufficient schedule for the purpose of regulation 514.9.1, further drawings/schedules need not be provided. For other installations the additional drawings/schedules listed below apply.
  
- 5 This Certificate is only valid if accompanied by the Schedule of Inspections and the Schedule(s) of Test Results. The page numbers for each of the Schedules of Test Results should be indicated, together with the total number of sheets involved.
  
- 6 The designer shall prepare Page 3 (Particulars of the Installation) and subsequent pages for each Highway Distribution unit or Termination Pillar.
  
- 7 The person(s) responsible for the inspection & testing of the installation shall complete the Schedule(s) of Test Results.
  
- 8 The maximum prospective fault current recorded should be greater of the short-circuit current or the earth fault current.

**(4) Schedule of Additional Records**

Drawing/Schedule	Description

I/We being the person(s) responsible (as indicated by my/our signatures below) for the inspection & testing of the electrical installation, particulars of which are described on page 3 of this form, having exercised reasonable skill and care when carrying out the inspection & testing, CERTIFY that the said work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with current edition of BS7671, amended to ..... (date) except for the departures, if any, detailed as follows:

Name ..... Position .....

Signature ..... Date .....

**NOTE: FINAL ADOPTION**

If development has been tested within two years. **No further test certificate is required.**

If development has been tested more than two years ago. **A further test certificate is required.**