

Road Lighting Design Certificate: DC2



This form should be completed by the designer and submitted to the Local Roads Authority as part of the Construction Consent application. Multiple forms may be submitted for larger projects..

Project:	
Description of Road:	
Location Details:	

Drawing Reference(s)

--

Lighting Design

Information	Calculation 1	Calculation 2	Calculation 3	Calculation 4
Designed to BS 5489.				
Lighting category.				
Column numbers.	to	to	to	to
Column arrangement.				
Mounting height.	m	m	m	m
Lantern overhang.	m	m	m	m
Effective width.	m	m	m	m
Lantern type.				
Lamp type.				
Lamp wattage.				
Lamp design lumens.	Klm	Klm	Klm	Klm
Maintenance factor.				

Design Results

Information	Calculation 1	Calculation 2	Calculation 3	Calculation 4
Software used.				
Calculated Eav/ Lav.				
Calculated Emin.	lux	lux	lux	lux
Calculated OU.				
Calculated UL.				
Calculated TI.				
Surround Ration.				

Circuit Design

Information	Calculation 1	Calculation 2	Calculation 3	Calculation 4
Column numbers.				
Cable type.				
Cable size.				
Over-current (protective device).	A	A	A	A
Total load (steady state).	A	A	A	A
Total load (in rush).	A	A	A	A
Volt drop at end of circuit.	V	V	V	V
Disconnection time.	Secs	Secs	Secs	Secs
PSCC at end of circuit.	A	A	A	A
ELI at end of circuit.	W	W	W	W

Supply Details					
Total Power.	Kw	Overall Protective Device.		Rating.	A
Main Isolator BS.		Isolator Type.		Isolator Rating.	A
Contactor / Relay Type.		Contactor rating.	A	Number of Poles.	
PEC.	Lux	PEC Type.		Ratio (on/off).	to
Power Supply.		Number of Phases.		Method of Earthing.	

I, being the person responsible (as indicated by my signature below) for the design of the Lighting Electrical Installation, certify that the said work for which I have been responsible is to the best of my knowledge and belief in accordance with the current Code of Practice for Street Lighting BS 5489, the Local Roads Authority specification for the installation of street lighting, and the Regulations for Electrical Installation 16th Edition as published by the Institute of Electrical Engineers except for departures, if any, stated in this certificate.

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

Name of Designer:		Position:	
Company:			
Address:			
On behalf of (client):			
Signed:		Date:	