



Lighting Units Design Risk Assessment.

Applies to: Design, Installation, maintenance and de-commissioning of Lighting Units.

DFL Designers have, in accordance with CDM regulations, identified site-specific hazards/risks that are not normally associated with these types of works, endeavoured to eliminate or reduce these hazards/risks for construction, maintenance, and decommissioning of the Lighting Units, as far as reasonably practicable. All works should be carried out by qualified and competent persons in accordance with, but not limited to, G39 Working in the Vicinity of DNO Equipment, Working at height regulations, electricity at work regulations, safe digging practices hsg47 Avoiding danger from underground services and Code of Practice for Electrical Safety in Highway Electrical Operations.

DRA01

CLIENT	Marwood Electrical	SCHEME	4428-DFL-HLG-XX-RA-EO-13002-S3-P01	Assessed By	CG	Date	13.04.2026
				Checked By	AE	Date	13.04.2026
				Approved By	AE	Date	13.04.2026

Legend - Major Site specific, Safety, Health and Environmental Hazards –

Will any of the following hazards affect Main Contractor/Sub Contractor, client's staff, general public or affect the environment?

Use "Risk Rating"(RR) matrix to assess each hazard and indicate level of risk i.e.;

L = 1- 4, M = 5 – 10, H = 15 - 30 or VH = 50, in space next to each hazard.

Risk Rating (RR) Matrix - Indicate L, M, H, or VH in box.

L = Likelihood, Multiply by S = Severity, for Risk Rating (RR).

1 Unlikely to be affected.	1 Minor First Aid Injury Only.
2 May be affected.	2 Hospital Treatment & Off Work.
3 Occasionally affected.	5 Some Disability - Long absence.
5 Likely to be affected.	10 Permanent Disability/Death.

Hazards/Risk Identified. <small>(Safety, Health & Environmental).</small>	At Risk			Assessment of risk before Design.			Actions taken at the Design Stage, to identify site-specific Hazards/Risks, eliminate or reduce these Hazards/Risks for Construction, Maintenance, and Decommissioning of the Lighting Units, as far as reasonably practicable.	Assessment of risk after design.			Addendum sheet required?	
	Main Contractor / Sub C	Users	Environ /ment.	L	S	R		L	S	R	NO	YES <small>(See addendum sheet).</small>
HAZ 08 Underground Intermediate Pressure Gas Mains in the vicinity.	☐			3	10	H	Lighting Units have been designed away from the Underground Low Pressure Gas Mains. The presence of Underground Low Pressure Gas main has been noted on this scheme's drawing.	1	10	M		(See gas network maps).
HAZ 13 Passive Safe Equipment.	☐			3	10	H	Passive Safety Flowchart Technical Report 30 (TR30) has been used within the design stage. However due to the road characteristics and following the guidance from TR30, Passive Safe Equipment would be non-beneficial due to slow road speeds, presence of buildings and pedestrians.	1	10	M	☐	



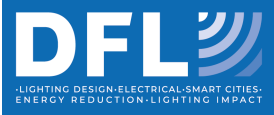
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HAZ 23 Risk of vehicle striking Lighting Units.	☐			2	10	H	Lighting Units have been setback with adequate clearance to avoid being struck by vehicles, in accordance with BS5489-1, where reasonably practicable. Due to car park characteristics, it is not reasonably practicable to setback Lighting Units LC02 and LC06 with adequate clearance and therefore there is a risk of vehicles striking Lighting Units. Additional protection has been advised and has been noted on this scheme's drawing.	1	10	M	☐	
HAZ 26 Visual impact / light pollution / intrusion.	☐		☐	1	2	L	Wherever reasonably practicable Lighting Units have been designed to be in keeping with the road characteristics, reduce light pollution, glare and light intrusion.	1	1	L	☐	

DFLP-405 Design Risk Assessment 29/12/25 **Uncontrolled if printed.** Created by: DFL. Authorised by: A Longman

<p>Legend - Major Site specific, Safety, Health and Environmental Hazards –</p> <p>Will any of the following hazards affect Main Contractor/Sub Contractor, client's staff, general public or affect the environment?</p> <p style="text-align: center;">Use "Risk Rating"(RR) matrix to assess each hazard and indicate level of risk i.e.;</p> <p style="text-align: center;">L = 1- 4, M = 5 – 10, H = 15 - 30 or VH = 50, in space next to each hazard.</p>	<p>Risk Rating (RR) Matrix - Indicate L, M, H, or VH in box.</p> <p>L = Likelihood, Multiply by S = Severity, for Risk Rating (RR).</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">1 Unlikely to be affected.</td> <td style="width: 50%;">1 Minor First Aid Injury Only.</td> </tr> <tr> <td>2 May be affected.</td> <td>2 Hospital Treatment & Off Work.</td> </tr> <tr> <td>3 Occasionally affected.</td> <td>5 Some Disability - Long absence.</td> </tr> <tr> <td>5 Likely to be affected.</td> <td>10 Permanent Disability/Death.</td> </tr> </table>	1 Unlikely to be affected.	1 Minor First Aid Injury Only.	2 May be affected.	2 Hospital Treatment & Off Work.	3 Occasionally affected.	5 Some Disability - Long absence.	5 Likely to be affected.	10 Permanent Disability/Death.
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	<small>Main Contractor / Sub C</small>	<small>Users</small>	<small>Environ /ment.</small>	<small>L</small>	<small>S</small>	<small>R</small>	<small>L</small>	<small>S</small>	<small>R</small>	<small>NO</small>	<small>YES (See addendum sheet).</small>				

Declaration: I the undersigned have read and understood the hazards / risks identified in this Scheme's Design Risk Assessment.

Construction Manager (sign): **(Print):** **Date:** / /