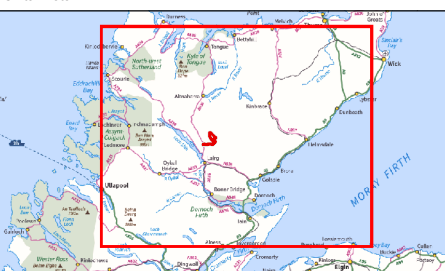


- Legend:**
- Site Boundary
 - Proposed Turbine
 - Proposed Turbine with Nacelle Lighting
 - 5 km Intervals from Outer Turbines
 - 45 km LVIA Study Area
 - Viewpoint
 - Night Time Assessment Viewpoint
- 1: Right of Way near Dalnessie
 - 2: A836 Rhian Bridge
 - 3: Saval, Lairg
 - 4: Dalchork Bird Hide
 - 5: The Ord above Ferrycroft Visitors Centre
 - 6: A836 south of Lairg (Torroble)
 - 7: Rhilochan
 - 8: Ben Klibreck, Meall nan Con
 - 9: Ben Armine
 - 10: Reay - Cassley WLA Ben Sgeireach
 - 11: Ben Hee
 - 12: Ben More Assynt
- WLA Dusk VP1: Ben Klibreck WLA track to Loch Choire
WLA Dusk VP2: Track to Loch Sgeireach
WLA Dusk VP3: Cnoc Allt an Ulbhaidh

Notes:
This map contains data from the following sources:
ESB, RSK, LUC

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter



Notes:
The ZTV is calculated to turbine hub height (118.5 m) on turbines with lighting T1, T6, T11, T16 (118.5 m) and T14 (98.5m) from a viewing height of 2 m above ground level.

The terrain model assumes bare ground and is derived from OS Terrain 5 height data (obtained in September 2021).

Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1.

Vertical angle of lighting from nacelle (102.5m)	Maximum luminous intensity (Candela/cd)	10% Maximum luminous intensity (Candela/cd)
3° to 0°	1800cd +	180cd +
0° to -1°	750cd to 1800cd	75cd to 180cd
-1° to -2°	80cd to 750cd	8cd to 75cd
-2° to -3°	40cd to 80cd	4cd to 8cd
-3° to -4°	10cd to 40cd	1cd to 4cd
Below -4°	Below 10cd	Below 1cd

Rev	Date	Description	Drm	Chk	App
00	18/01/2022	First Draft	JN	NE	NE

Chleansaid Wind Farm



TITLE:
Figure 6A2.1.1:
Aviation Lighting Zone of Theoretical Visibility - Lighting Intensity

