

Wind Zones EN40

Wind Loading Categories.

The rationalised wind loading factor, Rwf, are all stated at 10m above ground level and for a mean return period of 25 years.

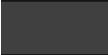
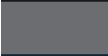



Valmont Standard Lighting Columns are based on:

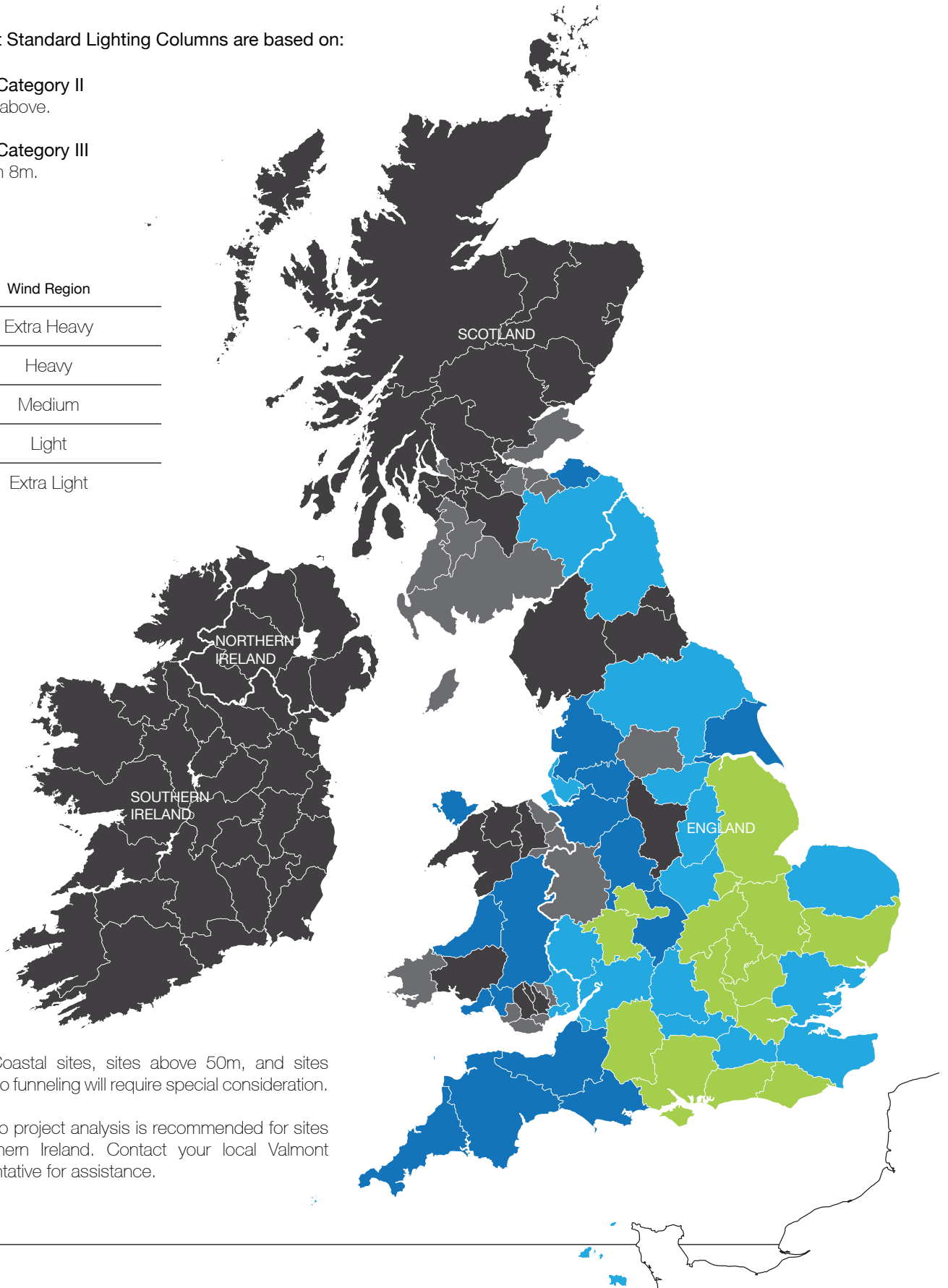
Terrain Category II

8m and above.

Terrain Category III

less than 8m.

Wind Region	
	Extra Heavy
	Heavy
	Medium
	Light
	Extra Light



Note: Coastal sites, sites above 50m, and sites subject to funneling will require special consideration.

Project to project analysis is recommended for sites in Southern Ireland. Contact your local Valmont representative for assistance.

County	10 Min Mean Wind Speed (m/s)	Max Elevation	Alt. Adjusted Wind Speed (m/s)	Wind Region
Aberdeen	26	229	31,95	Extra Heavy
Aberdeenshire	27	184	31,97	Extra Heavy
Angus	26	229	31,95	Extra Heavy
Antrim	26	229	31,95	Extra Heavy
Argyll & Bute	28	141	31,95	Extra Heavy
Armagh	26	229	31,95	Extra Heavy
Bath & North East Somerset	22,5	226	27,59	Medium
Bedfordshire	22	132	24,90	Extra Light
Blackburn with Darwen	23,5	174	27,59	Medium
Blackpool	24	38	24,91	Extra Light
Blaenau Gwent	23	250	28,75	Heavy
Bournemouth	22	132	24,90	Extra Light
Bracknell Fost	21,5	159	24,92	Extra Light
Bridgend	23,5	223	28,74	Heavy
Brighton & Hove	22	132	24,90	Extra Light
Bristol	22,5	178	26,51	Light
Buckinghamshire	21,5	159	24,92	Extra Light
Caerphilly	23	250	28,75	Extra Heavy
Cambridgeshire	22	132	24,90	Extra Light
Cardiff	23	250	28,75	Heavy
Carmarthenshire	24,5	250	30,63	Extra Heavy
Ceredigion	24,5	126	27,59	Medium
Channel Islands	24	104	26,50	Light
Cheshire	23,5	174	27,59	Medium
Clackmannanshire	25,5	250	31,88	Extra Heavy
Conwy	24,5	250	30,63	Extra Heavy
Cornwall	25	103	27,58	Medium
Cumbria	24,5	250	30,63	Extra Heavy
Darlington	23,5	60	24,91	Extra Light
Denbighshire	24	250	30,00	Extra Heavy
Derby	22	132	24,90	Extra Light
Derbyshire	22,5	178	26,51	Light
Devon	24	149	27,58	Medium
Dorset	23	199	27,58	Medium
Down	26	229	31,95	Extra Heavy
Dumfries & Galloway	26	106	28,76	Heavy
Dundee	25	250	31,25	Extra Heavy
Durham	24	250	30,00	Extra Heavy
East Dunbartonshire	25,5	250	31,88	Extra Heavy
East Lothian	24,5	126	27,59	Medium
East Renfrewshire	25,5	250	31,88	Extra Heavy
East Riding of Yorkshire	23	199	27,58	Medium
East Sussex	22	132	24,90	Extra Light
Edinburgh	24,5	173	28,74	Heavy
Essex	22,5	178	26,51	Light
Falkirk	25,5	250	31,88	Extra Heavy
Fermanagh	26	229	31,95	Extra Heavy
Fife	25	150	28,75	Heavy
Flintshire	24	198	28,75	Heavy
Glasgow	25,5	250	31,88	Extra Heavy
Gloucestershire	22,5	178	26,51	Light
Greater London	22	132	24,90	Extra Light
Greater Manchester	23,5	174	27,59	Medium
Gwynedd	25	250	31,25	Extra Heavy
Halton	23	83	24,91	Extra Light
Hampshire	22	132	24,90	Extra Light
Hartlepool	23,5	60	24,91	Extra Light
Herefordshire	23	152	26,50	Light
Hertfordshire	22	132	24,90	Extra Light
Highland	29,5	83	31,95	Extra Heavy
Inverclyde	26	229	31,95	Extra Heavy
Isle of Anglesey	25,5	82	27,59	Medium
Isle of Man	26	106	28,76	Heavy
Isle of Wight	22	132	24,90	Extra Light
Isles of Scilly	25	60	26,50	Light
Kent	22,5	178	26,51	Light
Kingston upon Hull	22,5	107	24,91	Extra Light
Lancashire	24	149	27,58	Medium
Leeds City	23	250	28,75	Heavy
Leicester	22	132	24,90	Extra Light
Leicestershire	22	204	26,49	Light
Lincolnshire	22,5	107	24,91	Extra Light
Londonderry	26,5	206	31,96	Extra Heavy
Luton	21,5	159	24,92	Extra Light

County	10 Min Mean Wind Speed (m/s)	Max Elevation	Alt. Adjusted Wind Speed (m/s)	Wind Region
Medway	22	132	24,90	Extra Light
Merseyside	23,5	128	26,51	Light
Merthyr Tydfil	23,5	250	29,38	Extra Heavy
Mid Lothian	24,5	173	28,74	Heavy
Middlesbrough	23,5	128	26,51	Light
Milton Keynes	22	132	24,90	Extra Light
Monmouthshire & Newport	23	152	26,50	Light
Moray	27	184	31,97	Extra Heavy
Neath Port Talbot	23,5	174	27,59	Medium
Norfolk	23	152	26,50	Light
North Ayrshire	26,5	206	31,96	Extra Heavy
North East Lincolnshire	22,5	107	24,91	Extra Light
North Lanarkshire	25,5	250	31,88	Extra Heavy
North Lincolnshire	22,5	107	24,91	Extra Light
North West Somerset	22,5	178	26,51	Light
North Yorkshire	23,5	128	26,51	Light
Northamptonshire	22	132	24,90	Extra Light
Northumberland	24,5	82	26,51	Light
Nottingham	22	132	24,90	Extra Light
Nottinghamshire	22,5	178	26,51	Light
Orkney	29,5	83	31,95	Extra Heavy
Oxfordshire	21,5	232	26,49	Light
Pembrokeshire	25	150	28,75	Heavy
Perth & Kinross	26,5	206	31,96	Extra Heavy
Peterborough	22	132	24,90	Extra Light
Plymouth	24	149	27,58	Medium
Poole	22	132	24,90	Extra Light
Portsmouth	22	132	24,90	Extra Light
Powys	23,5	174	27,59	Medium
Reading	21,5	159	24,92	Extra Light
Redcar & Cleveland	23,5	60	24,91	Extra Light
Renfrewshire	26	229	31,95	Extra Heavy
Rhondda Cynon Taff	23,5	250	29,38	Extra Heavy
Rutland	22	132	24,90	Extra Light
Scottish Borders	24,5	82	26,51	Light
Shropshire	23	250	28,75	Heavy
Slough	21,5	159	24,92	Extra Light
Somerset	23,5	174	27,59	Medium
South & East Ayrshire	26	106	28,76	Heavy
South Gloucester	22,5	178	26,51	Light
South Lanarkshire	25,5	250	31,88	Extra Heavy
South Yorkshire	22,5	178	26,51	Light
Southampton	22	132	24,90	Extra Light
Southend	22	132	24,90	Extra Light
Staffordshire	22,5	226	27,59	Medium
Stirling	26,5	206	31,96	Extra Heavy
Stockton-on-Tees	23,5	128	26,51	Light
Stoke-on-Trent	22,5	226	27,59	Medium
Suffolk	23	83	24,91	Extra Light
Surrey	21,5	232	26,49	Light
Swansea	24	149	27,58	Medium
Swindon	21,5	159	24,92	Extra Light
Telford & Wrekin	22,5	226	27,59	Medium
Thurrock	22	132	24,90	Extra Light
Torbay	23,5	128	26,51	Light
Torfaen	23	250	28,75	Heavy
Tyne & Wear	24	250	30,00	Extra Heavy
Tyrone	26,5	206	31,96	Extra Heavy
Vale of Glamorgan	23,5	223	28,74	Heavy
Warrington	23	83	24,91	Extra Light
Warwickshire & Coventry	22	250	27,50	Medium
West Berkshire & Newbury	21,5	232	26,49	Light
West Dunbartonshire	26	106	28,76	Heavy
West Lothian	25	150	28,75	Heavy
West Midlands	22	132	24,90	Extra Light
West Sussex	22	132	24,90	Extra Light
West Yorkshire	23	250	28,75	Heavy
Western Isles	31	31	31,96	Extra Heavy
Wiltshire	22	132	24,90	Extra Light
Windsor & Maidenhead	21,5	159	24,92	Extra Light
Worcestershire	22,5	107	24,91	Extra Light
Workingham	21,5	159	24,92	Extra Light
Wrexham	23,5	223	28,74	Heavy
York	23	83	24,91	Extra Light