EN40 miniguide

Holophane Europe Limited
Bond Avenue, Bletchley, Milton Keynes MK1 1JG
United Kingdom

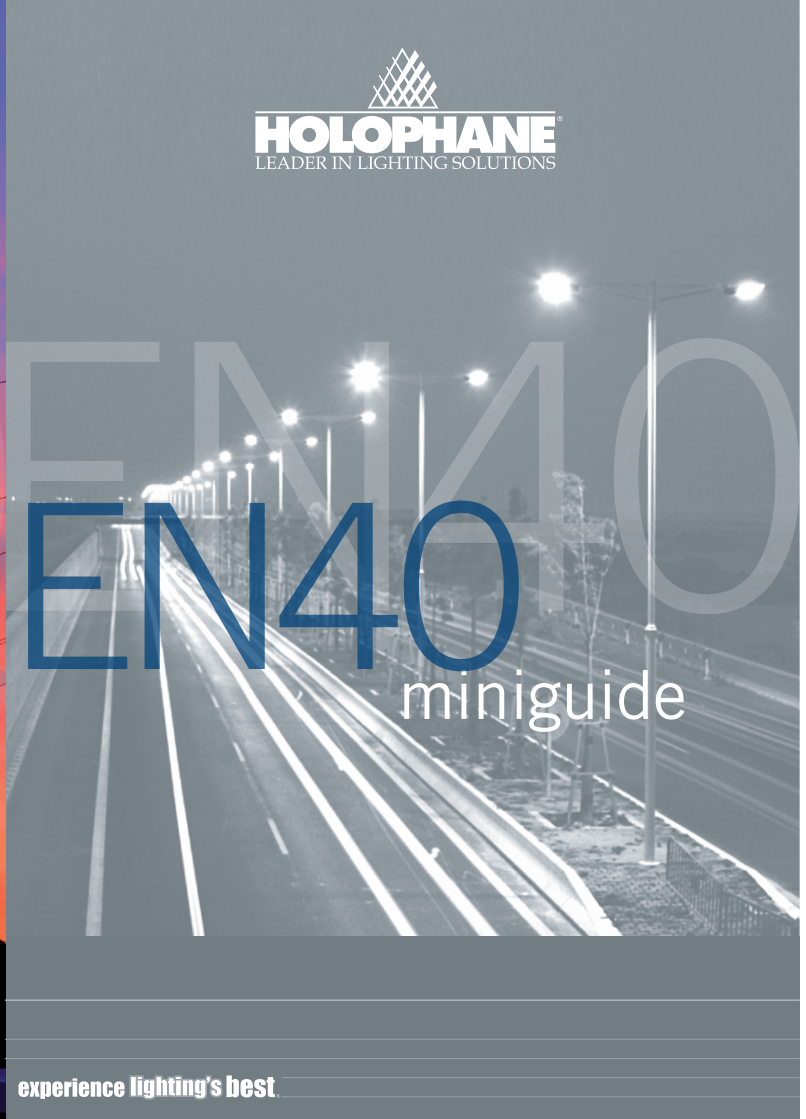
Telephone: +44 (0) 1908 649292
UK Fax: +44 (0) 1908 367618
International Fax: +44 (0) 1908 272029
E-mail: info@holophane.co.uk

www.holophane.co.uk

experience lighting's best.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

Publication No. EN40 0408 UK



HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

EN40 miniguide

experience lighting's best.

Products affected by EN40

- Straight columns for lanterns up to 20 metres. Post top mounted.
- Columns for side entry luminaires up to 18 metres.

Under the condition of EN40 all of the above must be labeled CE.

Administrative Zones

The administrative zone approach is designed to ease the burden of calculating complex calculations for every situation and configuration of luminaire and bracket.

The region wind zone and maximum height related to a zone are assigned to cover the main inhabited areas and main roads within the zone.

Specific guidance should be sought for the following situations:

1. Site altitudes above those specified in PD6547
2. Elevated sites eg. bridges, car park top decks.
3. Within 5km of the coast.
4. Known wind funnelling sites.

The Sites

Terrain Category I
Sea sides. At the edge of a lake with a length exposed to the wind of at least 5km. Flat even land without obstacles.

Terrain Category II
Fences off cultivated land, some small agricultural buildings, houses or trees.

Terrain Category III
Industrial or sub-urban zones and forests.

Terrain Category IV
Urban perimeters with at least 15% of the surface built on and/or on which the average of buildings exceed 15m.

Critical Points Related to Structural Strength

1. The point at which the column is fixed.
2. The lower edge of the door opening.
3. For tapered lighting columns the top of the door opening.
4. The point at which the bracket begins or the point at which the bracket is attached if bracket is detachable.
5. Transition from one diameter to another when column is stepped.
6. Any critical position (change of material thickness).

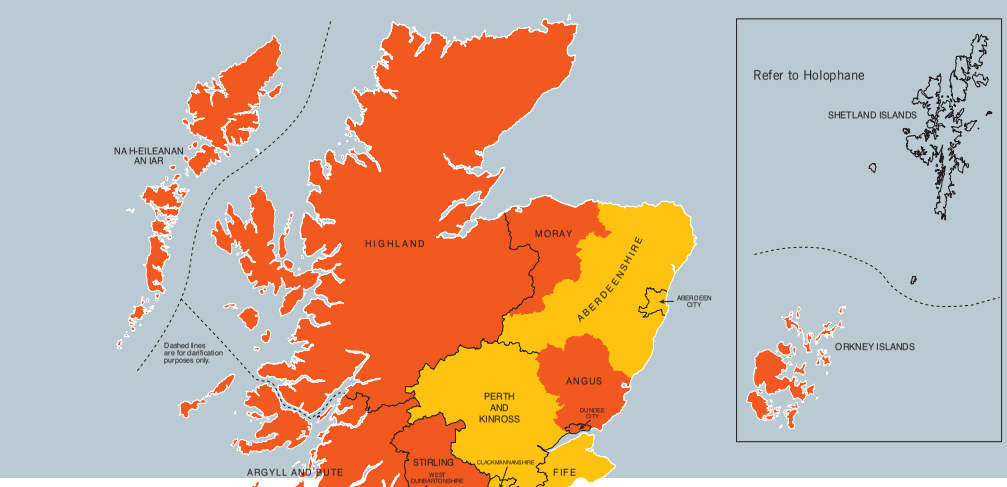
For simplicity, Holophane have grouped lighting columns for administrative areas designated in PD 6547 table A.1, for Light Wind Zones and Medium Wind Zones under one reference, LMZ. For Heavy Wind Zones the reference is HVZ and for Extra Heavy Wind Zones the reference is HEZ.

EN40

miniguidezonemap

Holophane & EN40

All of Holophane's columns and brackets have been certified in conformity with the EN40 standard.

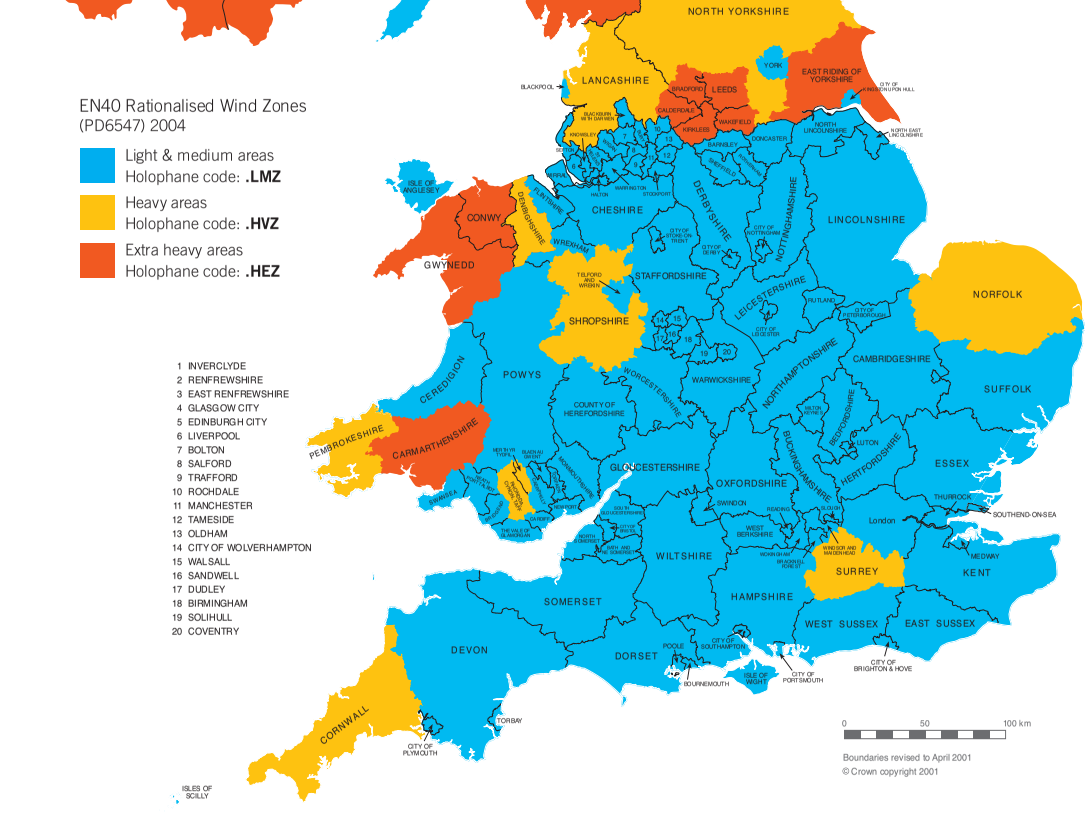
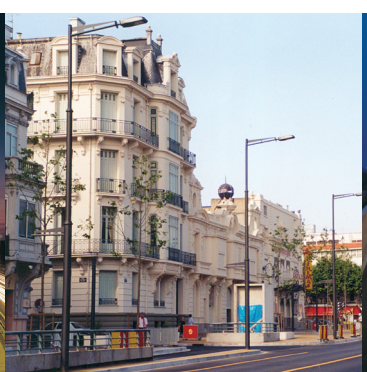


For simplicity, Holophane have grouped lighting columns for administrative areas designated in PD 6547 table A.1, for Light Wind Zones and Medium Wind Zones under one reference, LMZ. For Heavy Wind Zones the reference is HVZ and for Extra Heavy Wind Zones the reference is HEZ.

EN40 Rationalised Wind Zones (PD6547) 2004

- Light & medium areas Holophane code: **.LMZ**
- Heavy areas Holophane code: **.HVZ**
- Extra heavy areas Holophane code: **.HEZ**

1 INVERCLYDE
2 RENFREWSHIRE
3 EAST RENFREWSHIRE
4 GLASGOW CITY
5 EDINBURGH CITY
6 LIVERPOOL
7 BOLTON
8 SALFORD
9 TRAFFORD
10 ROCHDALE
11 MANCHESTER
12 TAMESIDE
13 OLDHAM
14 CITY OF WOLVERHAMPTON
15 WALSALL
16 SANDWELL
17 DUDLEY
18 BIRMINGHAM
19 SOLIHULL
20 COVENTRY



Boundaries revised to April 2001
© Crown copyright 2001