

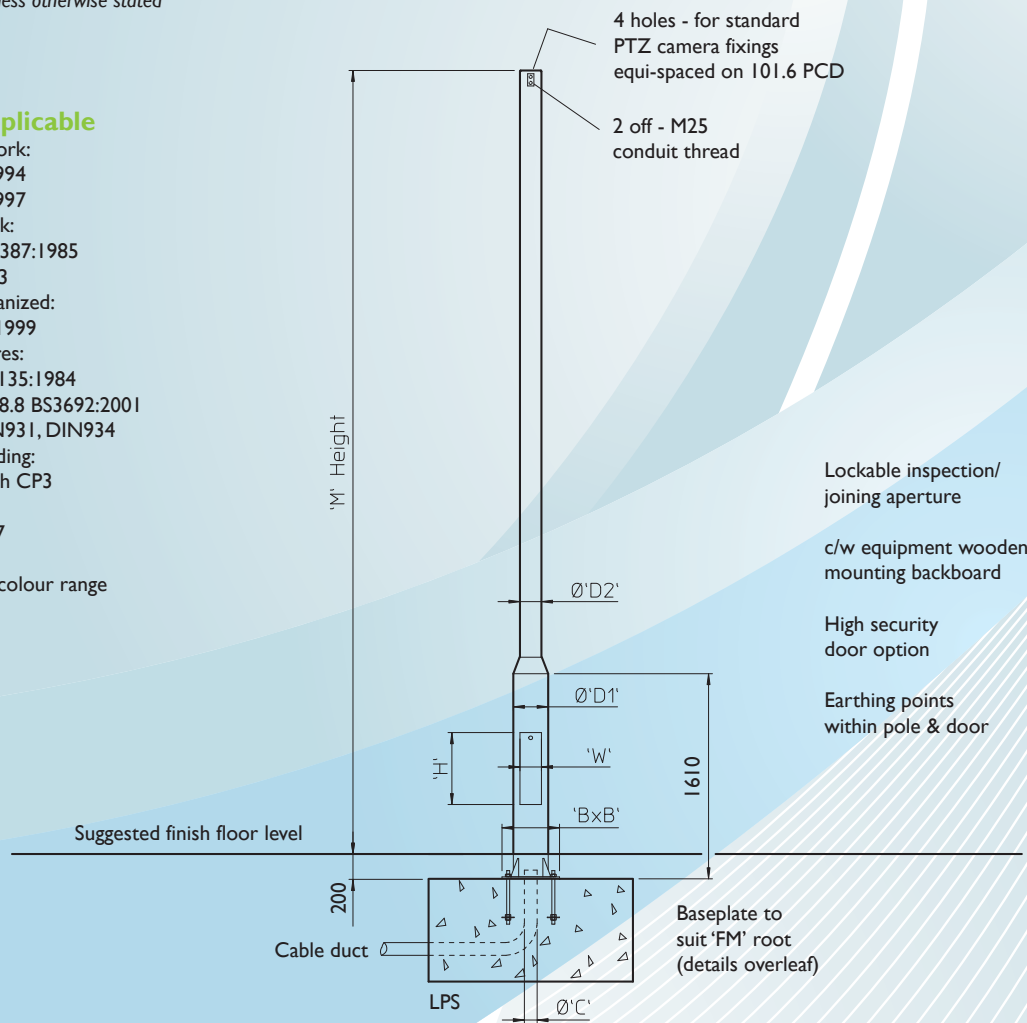
Technical Specification

Model Ref.	'M' Height	Duty rating	Baseplate size 'BxB'	Tube dia. 'D1'	Tube dia. 'D2'	Maximum equip cap'ty	Cable access hole Ø'C'	Door aperture 'H' x 'W'	Weight Kgs.
LPS3	3 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	140Kgs.
LPS4	4 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	160Kgs.
LPS5	5 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	185Kgs.
LPS6	6 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	210Kgs.
LPS6HD		Heavy duty	450x450	Ø323	Ø219	25Kg.	Ø250	460 x 118	230Kgs.
LPS8	8 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	245Kgs.
LPS8HD		Heavy duty	450x450	Ø323	Ø219	25Kg.	Ø250	460 x 118	330Kgs.
LPS10	10 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	285Kgs.
LPS10HD		Heavy duty	450x450	Ø323	Ø219	25Kg.	Ø250	460 x 118	375Kgs.

All dimensions in mm unless otherwise stated

Standards Applicable

- Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997
- General Steelwork:
BS1449:1991, BS1387:1985
BS EN 10025:1993
- Hot Dipped Galvanized:
BS EN ISO 1461:1999
- Welding Procedures:
Comply with BS5135:1984
- Fasteners: Grade 8.8 BS3692:2001
BS4190:2001, DIN931, DIN934
- Design Wind Loading:
In accordance with CP3
chapter V Pt 2 &
BS 6399 Pt 2:1997
- Paint Finishes:
BS4800 and RAL colour range

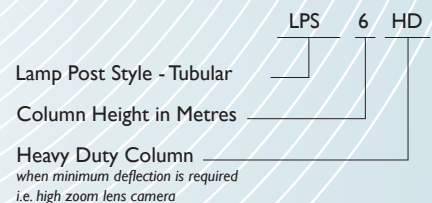


Accessories & Adaptors

- LPS/ACB Anti-Climb Bracket
- LPS/Paint Paint to BS4800 & RAL Colours
- LPS/SDA Swept Dome Adaptor
- LPS/SDA2 Swept Dome Adaptor Dual
- LPS/PT1-S2 1 Pan & Tilt c/w 2 Static Adaptors
- LPS/TPTA Twin Pan & Tilt Adaptor
- LPS/3SA Triple Static Adaptor
- LPS/2SA Twin Static Adaptor
- LPS/ISA Pan & Tilt - Single Fixed

- LPS/CS150-300 Column Spacers 150mm-300mm
- LPS/TBC Telemetry Clamp Bracket
- LPS/HSD-F High Security Door Option
- LPS/DB Decorative Banding

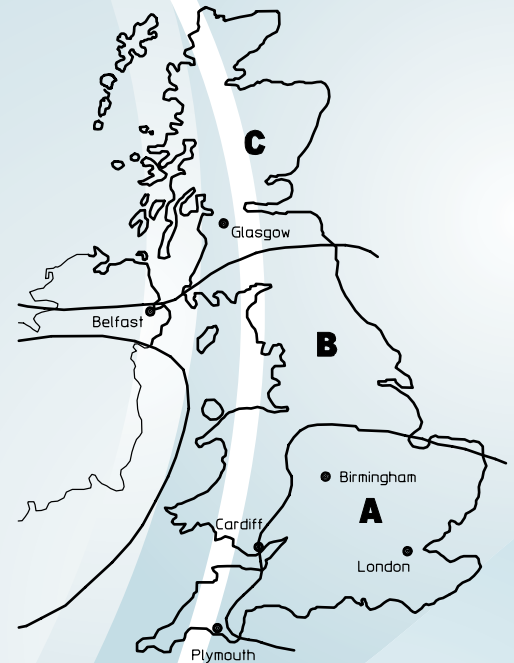
Product Ref & Ordering Information



Base and Windload Specification

Concrete Foundation Table X x Y x Z							
Model Ref	Height	Area of Country			Area of Town		
		A	B	C	A	B	C
LPS3	3m	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.
LPS4	4m	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.9x0.9x 0.45m Dp.
LPS5	5m	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	1.0x1.0x 0.5m Dp.
LPS6	6m	1.1x1.1x 0.55m Dp.	1.1x1.1x 0.55m Dp.	1.2x1.2x 0.6m Dp.	1.0x1.0x 0.5m Dp.	1.1x1.1x 0.55m Dp.	1.1x1.1x 0.55m Dp.
LPS8	8m	1.3x1.3x 0.65m Dp.	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.2x1.2x 0.6m Dp.	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.
LPS10	10m	1.5x1.5x 0.75m Dp.	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.4x1.4x 0.7m Dp.	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.

A minimum soil bearing pressure of 75 KN/m² is assumed



Installation Method

1. From the map, select location of installation
2. Excavate as per recommended area and depth
3. Assemble root base as shown in fig. 1
4. Insert root base into the hole ensuring that it is level and that the four studs protrude 60-70mm above the concrete foundation
5. Fit the cable duct if routing via the interior of the column. A plastic pipe of approximately 100mm outside diameter is recommended for this. Ensure this protrudes through the template by 50mm minimum.
6. Pour concrete ensuring that it is a mix of C35 to table 6 BS 8110 and then tamp down well
7. Fit the setting template over the four protruding studs, double-checking that they are level and that clear access can be gained to the cable duct if it is being used
8. Leave the concrete to cure for a minimum of 72 hours prior to attempting to erect the column
9. When fitting the column, ensure that the concrete base is in complete contact with the underside of the column and grout accordingly.
10. When the column has been fitted, protect the studs with a suitable protective coating. Denzo tape or similar is recommended for this

Foundation sizes are determined for three sets of wind speeds, which will cover most of the British Isles.

Area A = 44m/s (98mph)
Area B = 48m/s (107mph)
Area C = 52m/s (116mph)

Maximum gust speed is likely to be exceeded on average once every 50 years at 10m above the ground in open level country.

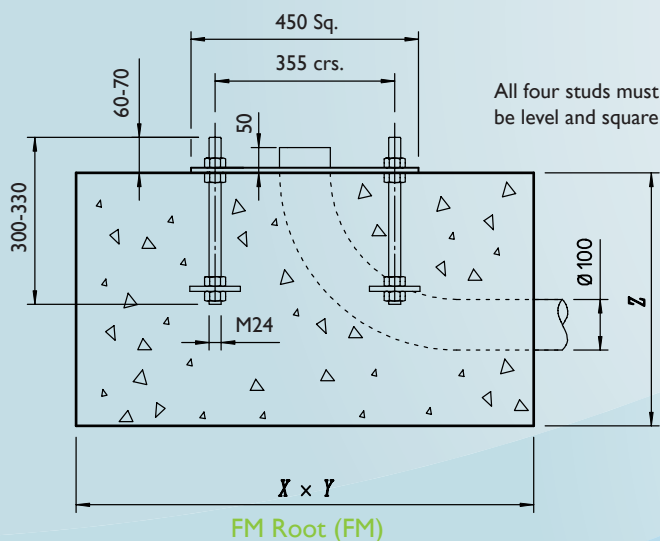


fig. 1

FM Root Assembly

