Technical Data : Ocyte Streetlight Columns

Oclyte Streetlight Columns Technical data

Standard Dimensions
The standard section is 3.6 metres in overall length with the net length varying with the lap.

Section No.	Across Flats at Base of Element (mm)	Approx Mass (kg) After Galvanising	
		2mm Steel	3mm Steel
0	89	9.7	-
1	157	23.7	35.2
2	222	36.6	54.5
3	283	49.1	73.0
4	343	61.1	90.8
5	400	72.8	108.2
6	456	83.9	124.7
8	511	-	140.9

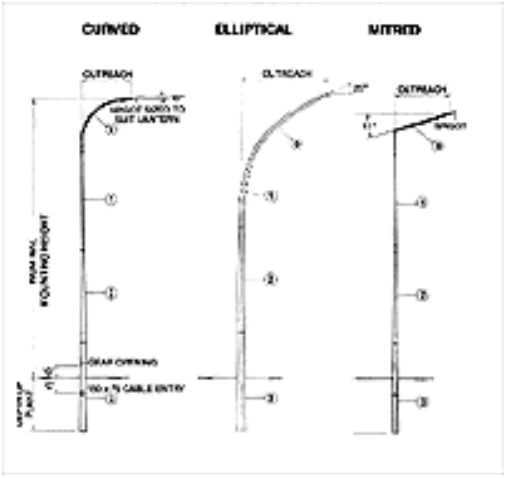
Gear Opening Sizes
Standard sizes for gear openings are:
Section 0 - 2 150 x 75
Section 2 - 7 300 x 150

Spigot Sizes
Spigot sizes are generally 34 or 42mm OD x 150mm long for streetlight fittings and 76mm OD x 110mm for post top fittings. It is necessary to specify size and length when ordering.

Foundations
Columns are either ground planted or flange mounted.

Ground Planted :
Columns are planted to depths shown in the tables assuming 'Good Ground' in terms of NZS3604:1999.

Standard Ground Planted Columns



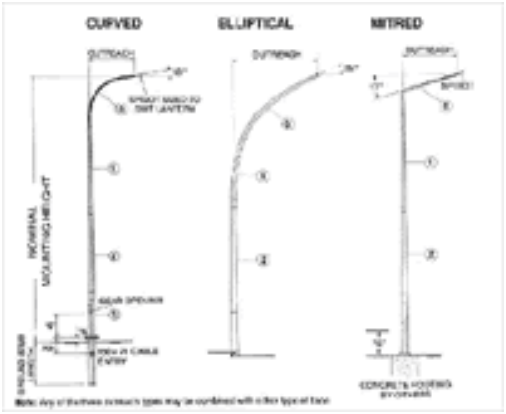
Column Details: Ground Planted

Nominal Mounting Height (m)					
Curved and Mitred Outreaches	Elliptical Outreach	Sections Utilised	Gear Opening Height "G" (mm)	Cable Entry Depth "C" (mm)	Planted Depths (m)
5.5	-	0 - ½2	950	650	1.2
7.0	7.5	0 - 2	450	650	1.5
8.0	9.0	0 - ½3	300	650	1.7
10.0	10.5	0 - 3	400	750	2.0
11.0	11.5	0 - ½4	1150	650	2.2
12.0	13.0	0 - 4	1450	500	2.5
13.5	14.0	0 - ½5	850	650	2.8

Shear or Flange base :
Concrete footings are designed by others to suit column loadings as supplied by CSP Pacific.

Standard holding down bolt assemblies are available. Care should be taken to ensure correct orientation of holding down bolts during footing construction and if necessary a template can be used to ensure correct spacing of bolts (template available on request).

Standard Shear or Flange Base Columns



Note: Standard holding down bolt assemblies or special ground stubs available for flange mounted columns.

Column Details: Flange Base

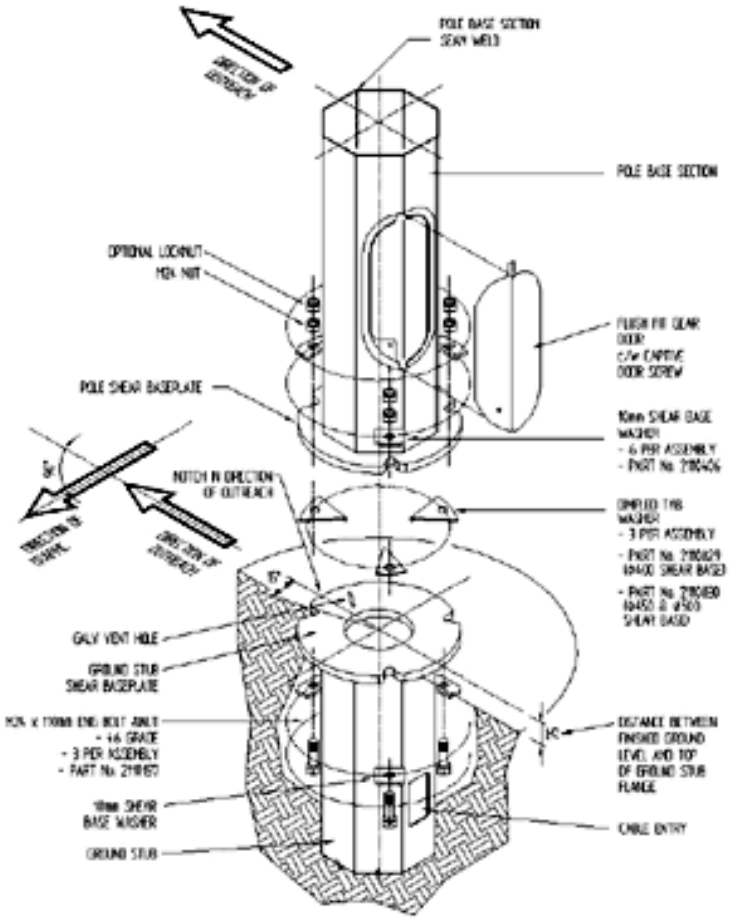
Nominal Mounting Height (m)					
Curved and Mitred	Elliptical	Elements Utilised	Ground Stub	Flange Base Gear	Shear Base Gear

Outreaches	Outreach		Length (m)	Opening Height "G" (mm)	Opening Height "G" (mm)
5.5	-	0 - 1	1.2	600	150
7.0	-	0 - ½2	1.5	600	150
8.5	9.3	0 - 2	1.5	600	150
9.5	10.2	*	1.8	1500	150
10.0	10.8	0 - ⅓3	1.8	600	150
10.5	11.4	*	2.4	750	150
12.0	12.6	0 - 3	2.4	800	150
12.5	13.4	*	2.4	1500	150
13.0	14.0	0 - ¼4	2.4	600	150
15.0	15.8	0 - 4	3.0	850	150

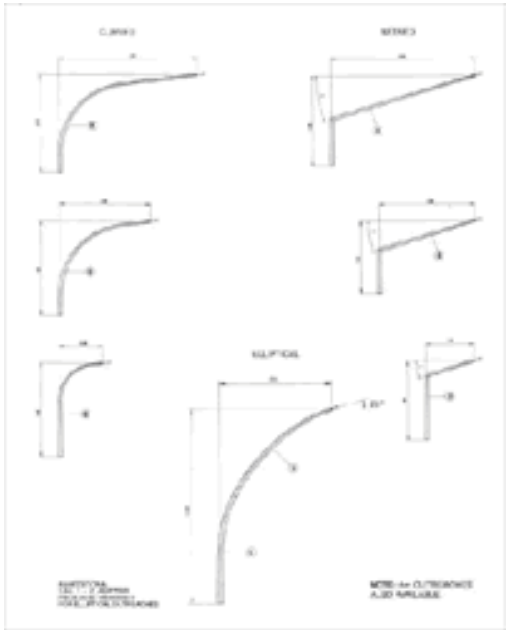
* Non standard sections used

Shear Base Details

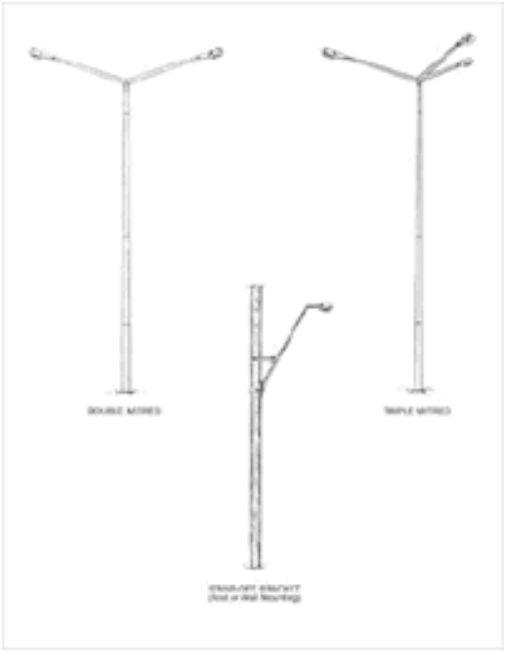
In areas with high traffic speed the use of a shear base column is recommended. The column, when struck by a vehicle, detaches at the flange and passes safely over the vehicle, minimising both personal and property damage. Shear bases are approved by Transit NZ. Only damaged elements need replacement and the refurbished column can then be repositioned on the intact ground stub. The ground stub is set in concrete with the underside of the flange set 75mm above ground level.



Standard Outreaches



Alternative Outreaches



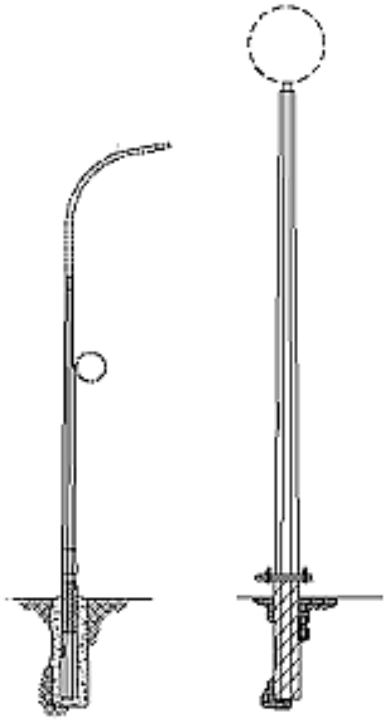
Pedestrian Crossing Pole

CSP Pacific also manufactures the **Oclyte™** Pedestrian Crossing Pole which offers the following benefits:

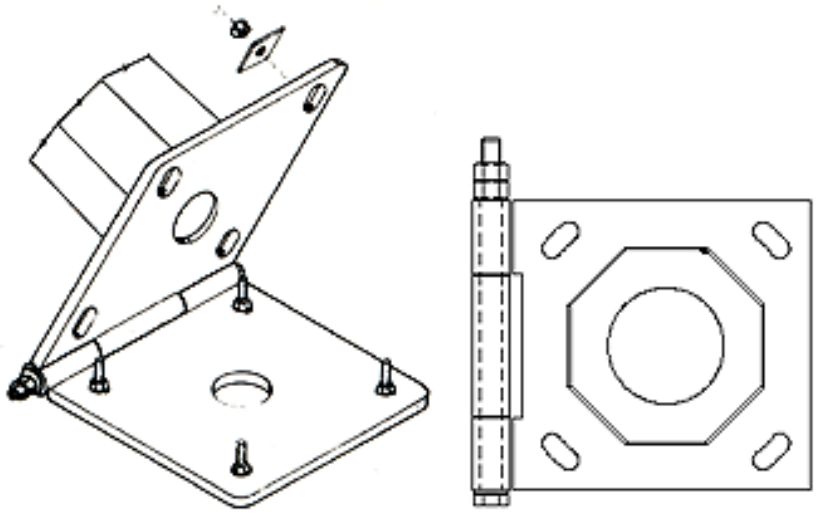
Modular : The pole consists of three sections which simply friction-fit together. Assembly, transportation and storage costs are thus minimised, and only damaged sections need be replaced when necessary.

Versatility : Due to modular construction, gear opening position, direction of spigot for Belisha beacon and outreach direction can be varied to suit the installation as required. Hinged based column also available (see detail below).

Safe Design : Lightweight galvanised steel construction minimises both personal injury and property damage if stck by vehicles.



Hinge Base Details



The hinge base is ideal for lowering poles for overwidth loads.

Subdivision Column

CSP Pacific has designed the **Oclyte™** Subdivision Column as an answer to the increasing costs of land subdivision and to meet modern road safety and aesthetic requirements.

Lightweight : Because the **Oclyte™** subdivision column is less than 50 kg in weight, installation costs can be greatly reduced. Columns can be lifted and erected by two men without special lifting gear.

Technical Data : Ocyte Streetlight Columns

Modular : The pole consists of sections which simply friction-fit together. Assembly, transportation and storage costs are thus minimised.

Uses : Residential subdivisions, retirement villages, hospitals, military camps.

Column Details: Sub Division

Mounting Height	Outreach	Elements Utilised	Plant Depth (m)
6.0	1.0*	0 - 1	1.0
7.3	1.0*	0 - ½2	1.3

* 1.5m outreach available to special order