

HINGED COLUMNS

Hinged Lighting Columns
up to 18 metres.



BASE-HINGED STEEL COLUMNS

A low cost floodlighting system designed for easy installation and maintenance. Erection by 3 man team without craneage.

16 metres (max) to light source. Octagonal section - telescopic jointed.

Designed to meet the wind loading requirements of BS 5649.

LOADING SPECIFICATION: (K=1.8)

	Part Number	Max Loading (K = 1.8)	
		Area	Weight *
16m	5104004	0.75m ²	37Kg
14m	5104014	0.86m ²	43Kg
12m	5104012	1.0m ²	51Kg
10m	5104010	1.2m ²	63Kg
Tool	1915005		
Template	5403005		
Bolts	5406003	4 x M27 x 850	
Anchor Plate			

* Weight includes 6kg headframe.

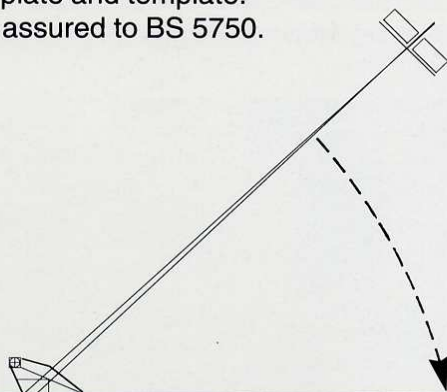
Steel to BS EN 10025. Welding to BS 5135 and Hot Dip Galvanised to BS 729.

External manually operated Raising and Lowering Tool.

Headframe to accommodate up to six floodlights (400w).

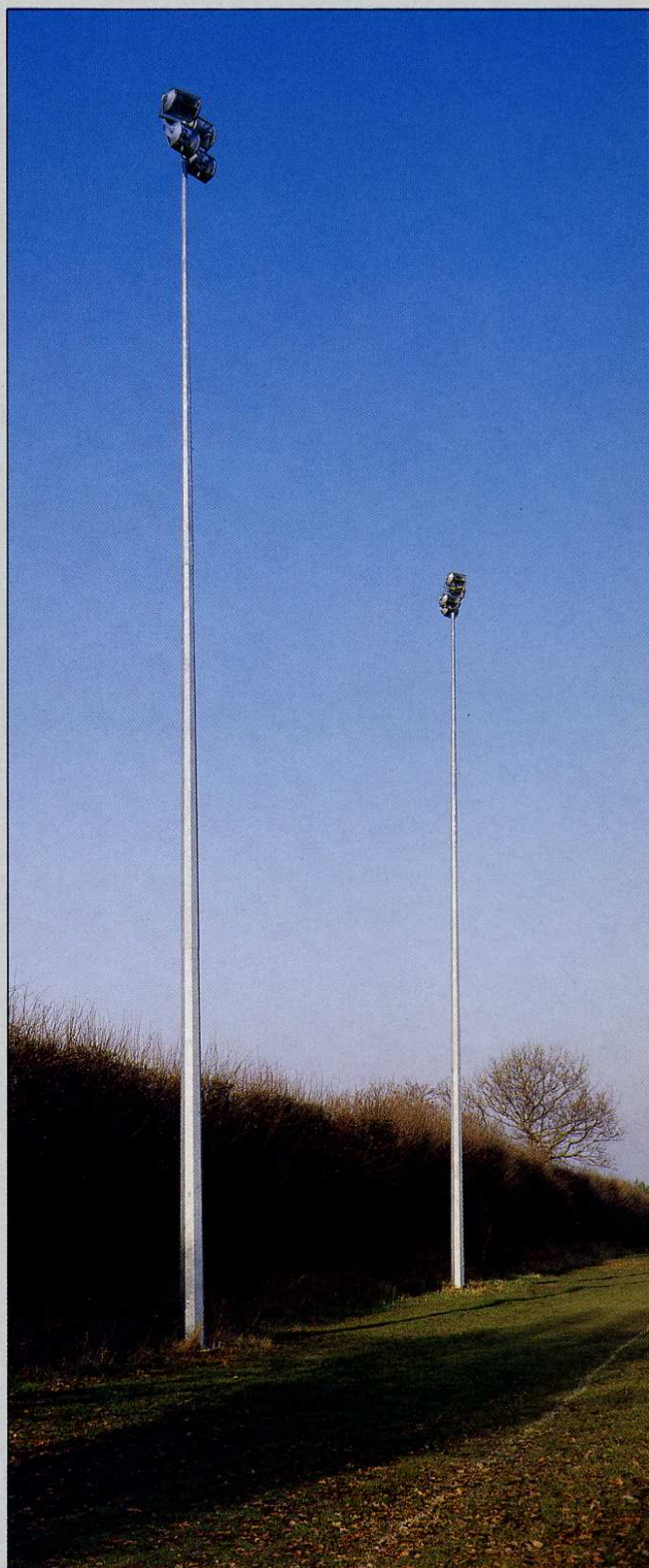
Guaranteed performance high tensile holding down bolts are supplied complete with anchor plate and template.

Quality assured to BS 5750.



CU Lighting, Charles House, Great Amwell, Ware, Herts SG12 9TA Tel: 0920 462272 Fax: 0920 461370 Tlx: 81398

The right is reserved to change specifications without prior notification or public announcement.



INSTALLATION AND OPERATION OF BASE-HINGED



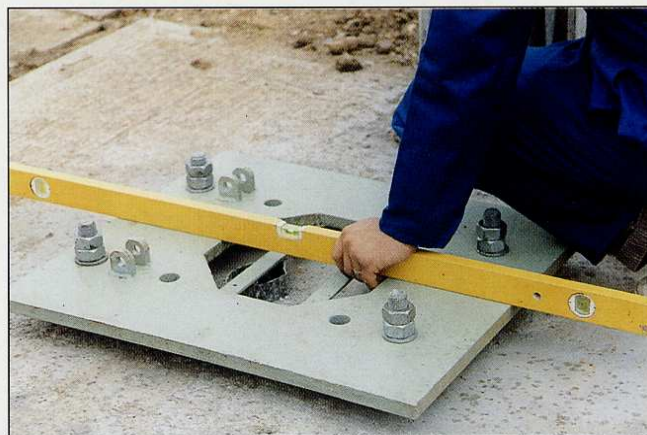
The kit of parts.

1



The foundations are set.

2



The baseplate in position.

3



The heaviest section (189Kg) is lifted in

4



and fixed to the base plate.

5

COLUMN BY 3 MAN TEAM WITHOUT CRANEAGE.



Fitting the next section

6



and the headframe.

7



Control gear is accommodated in the base.

8



The Raising and Lowering Tool is offered up to the column

9

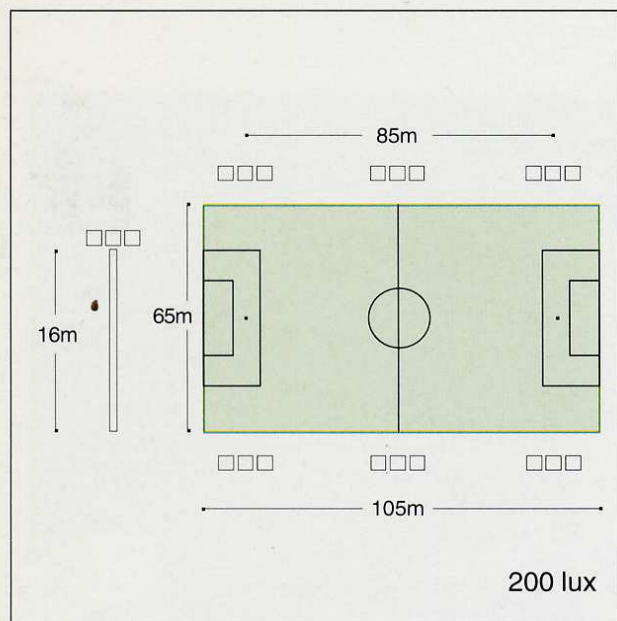


and the column raised.

10

TYPICAL FLOODLIGHTS FOR USE ON 16M BASE-HINGED COLUMN

Phosco
LIGHTING



FL444

A cast aluminium floodlight for double ended 2kW HPI lamps. Control gear in the base of the column. IP65.

MAXIMUM: 3 per 16m column.

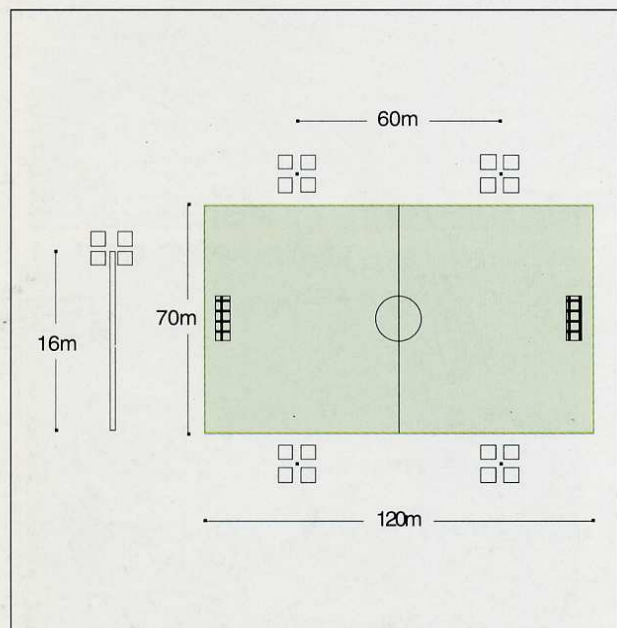
EXAMPLE:

Soccer Pitch

275 lux - 8-16m columns

200 lux - 6-16m columns

FA minimum criteria for 3rd and 4th Divisions of the Football League is 250 lux average (125 Lux min).



FL310

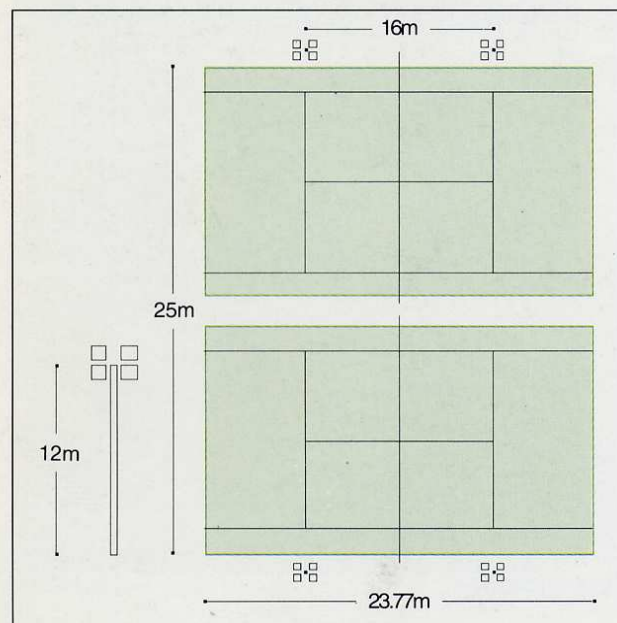
A cast aluminium floodlight for 1kW SON/T or HPI/T lamps. Control gear in the base of the column. IP54.

MAXIMUM: 4 per 16m column.

EXAMPLE:

Multi-purpose Play Area to 100 Lux average.

4 - FL310/1 with 1kW SON/T on each column.



FL300

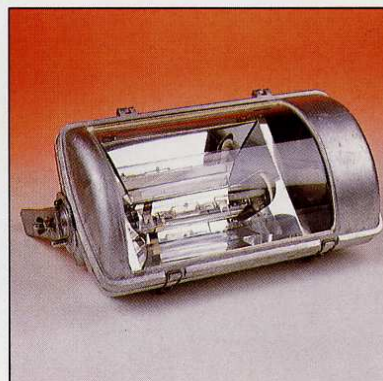
A cast aluminium floodlight for 150w to 400w SON/T and HPI/T lamps. Control gear in the base of the column. IP54.

MAXIMUM: 6 per 12m column.

EXAMPLE:

Twin Tennis Courts to 500 Lux average.

4 - FL300/2 with 400w HPI/T on each column.



Centre-hinged Column

MOUNTING HEIGHT

Class 'A' Mid-Hinged columns are available in 8, 10, 12, 14, 16 and 18 metre mounting heights as standard. Other heights between 8 and 20 metres by special request.

Each column has an octagonal outline with a specially designed hinge at the mid-way point of the column.

The tail is locked to the base by a simple lock or a special patented safety lock. Only a pull down rope (supplied) is required to lower the column.

Mediumweight and heavyweight designs are available.

The column is designed to meet the loading requirements of BS5649.

Rooted or baseplated versions are available.

FINISH

Hot Dip Galvanised to BS729.

BASE COMPARTMENT

The standard base compartment is 900 x 120 mm.



Concrete Utilities Limited reserve the right to amend the design and/or specification without prior notice.

A C.U. 14-metre Hinged Column with 2 Phosco FL310 Floodlights.
Photograph by kind permission of Hackney Borough Council.

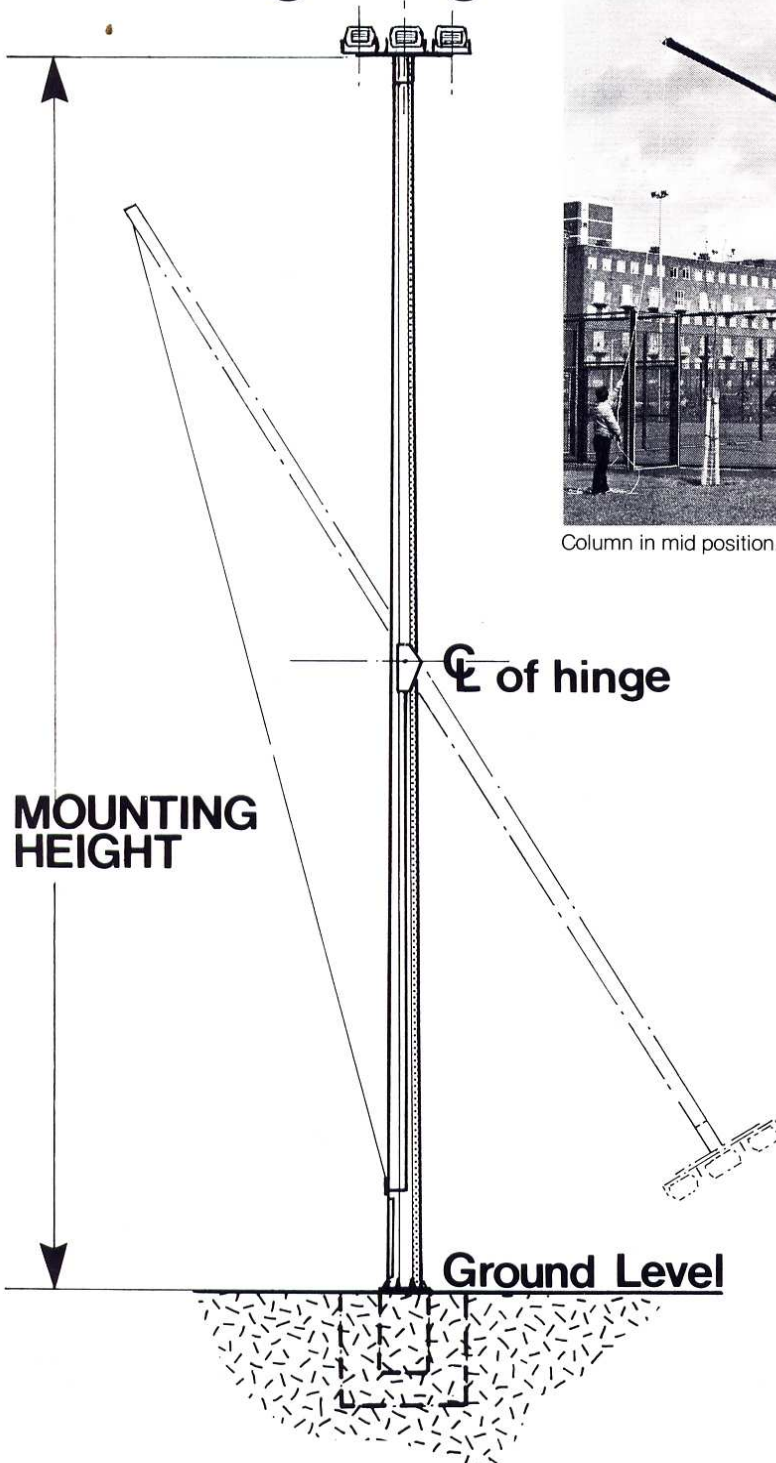
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Printed by Bournehall Graphic Press 8/91/Welwyn Garden City/Hertfordshire

Centre-hinged Column

8 to 20 metres
Mounting Height

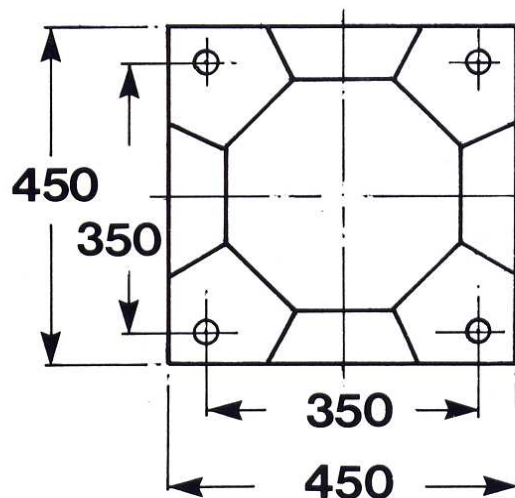


Column in mid position.



Column in fully lowered position.

BASEPLATE (TYPICAL FOR 18m.)
25 MM M.S. PLATE



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North East Area
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Mid-hinged Column

MOUNTING HEIGHT

Class B Mid Hinged columns are available in 3.5m, 4.0m, 4.7m, 5.0m, 5.7m and 6.0m mounting heights.

The column has a smooth outline with a concealed hinge and was basically designed for use with post top lanterns. A bracket can be provided for mounting side entry lanterns. Maximum lantern weight is 15Kg.

The tail which is locked in the upright position by a recessed triangular screw clamp also forms the base compartment door. A fitted pull-down rope is stowed in the base of the column when not in use.

FINISH

The overall finish is hot dipped galvanised to BS 729.

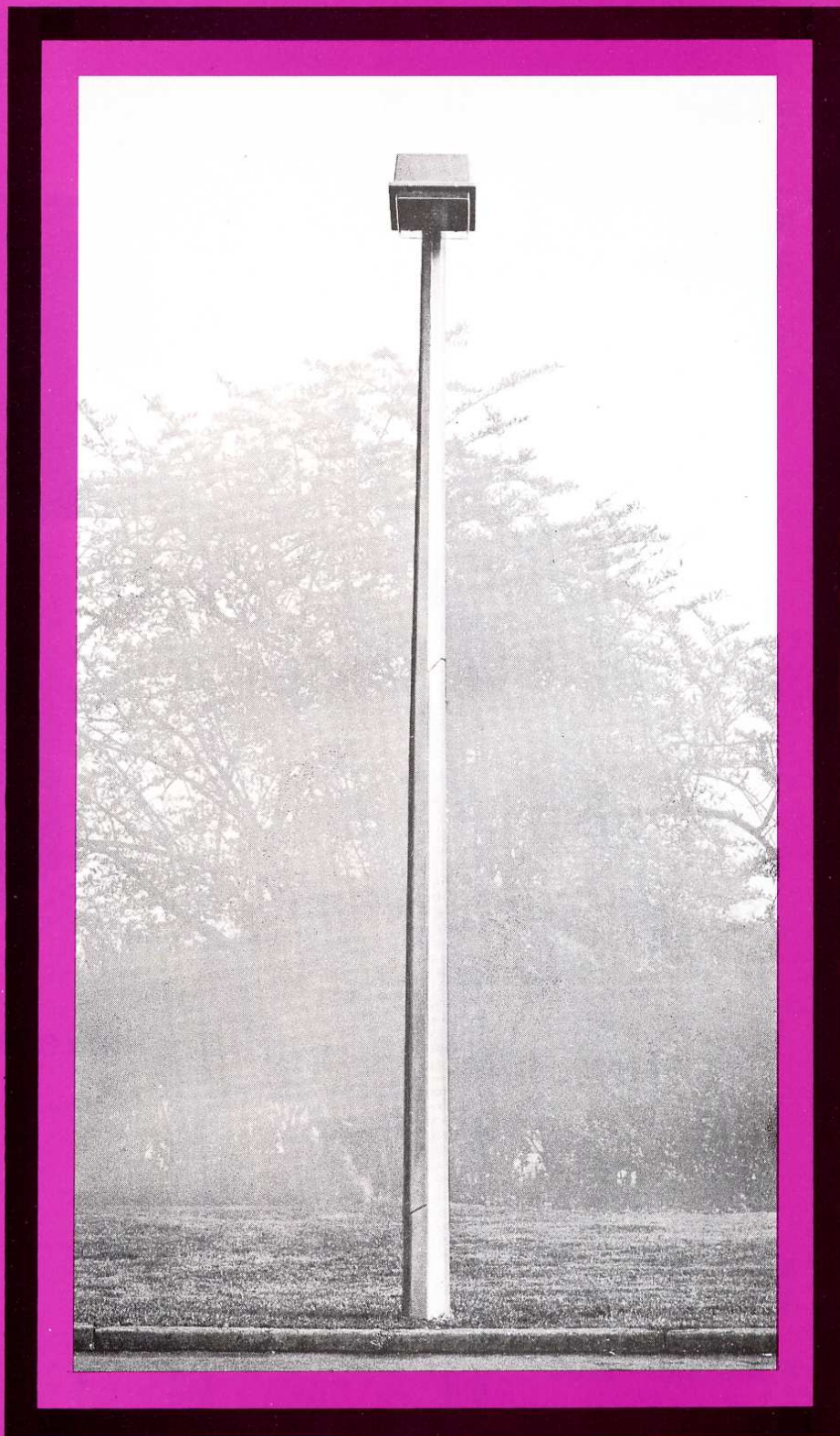
BASE COMPARTMENT

The standard base compartment is 85 x 300 but can be increased to 85 x 500 when gear in base is required.

SPECIFICATION

Post top columns with mounting height of 4,5 and 6 metres conform dimensionally to BS 5649 Part 2 1978

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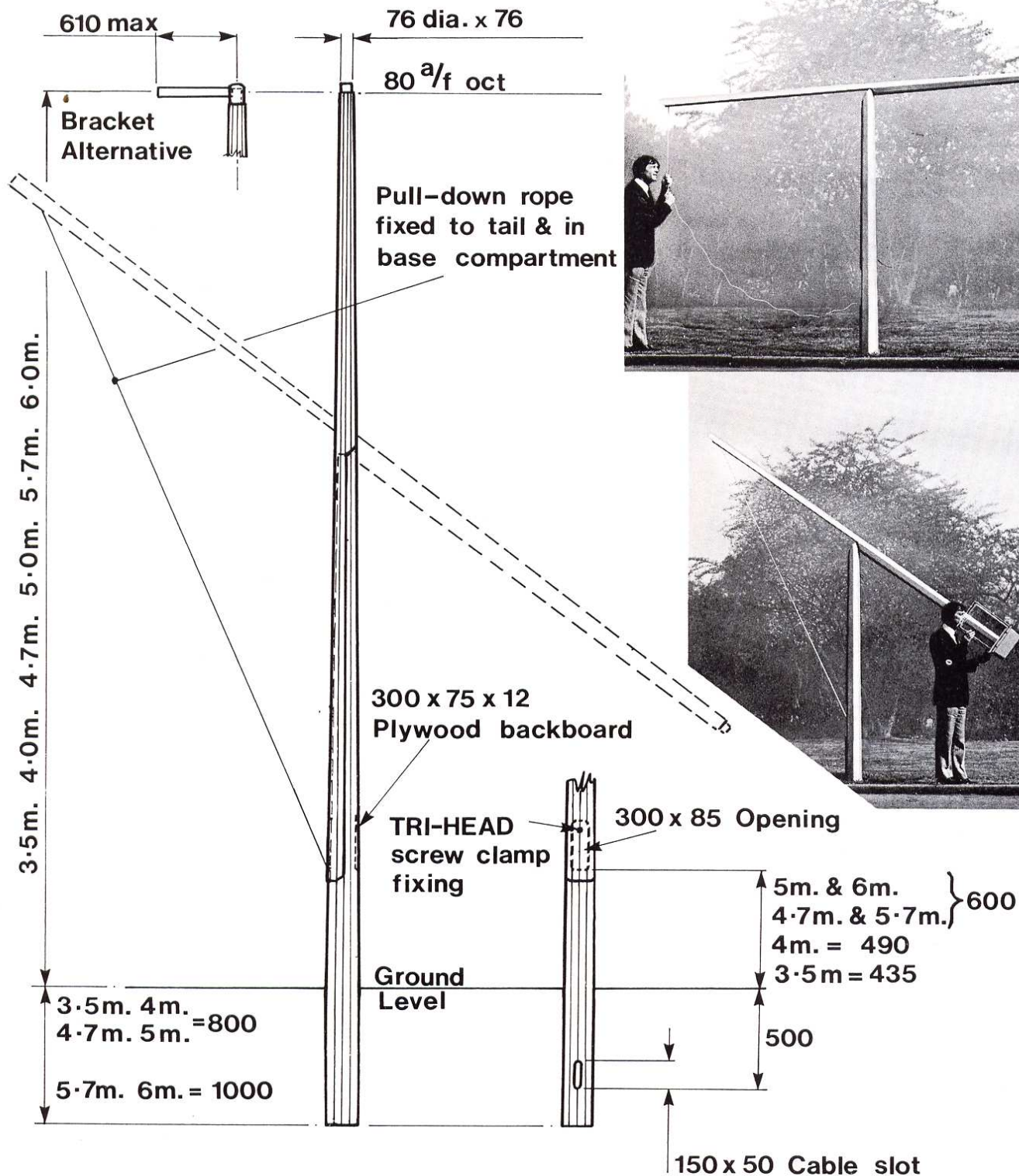


A C.U. 4m Mid-hinged column with a Phosco P392 lantern.

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Mid-hinged Column



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