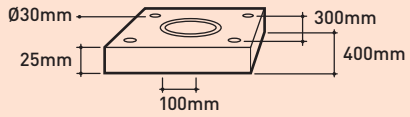
HEAVY DUTY

6-12M BASE HINGED COLUMN

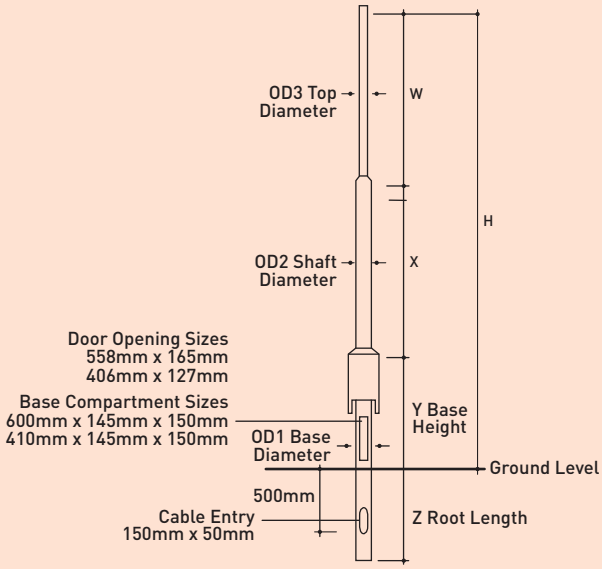
Designed to EN40. Hot dip galvanised to BS EN1461:1999. Manufactured in steel tube to EN10210

Flange Plate

Type 2	FA002G	Bolts/cross brace M24 x 600mm
	FC022	Template



Column Dimensions



Accessories

ELSAB1/6A	Single fuse cut-out, 6A, loop in/out (not fitted)
ELSAB12/6A	Twin fuse cut-out, 6A, loop in/out (not fitted)

Root Mounted

Dimensions (mm) Product Code	H	OD1	OD2	OD3	w	x	y	z	Weight (kg)	OTM (KNm)	Shear (KN)	Min. Concrete Diameter*	Counterbalance Type & Max. Weight (kg)	
T067RLH	6m	219	140	114	3200	1505	1505	1000	113	15.3	2.8	557	RLH1M RLH2M	62 105
T087RLH	8m	219	140	114	3157	3200	1505	1200	133	15.9	2.6	519	RLH1M RLH2M	62 105
T107RLH	10m	219	140	114	4115	4230	1505	1500	163	15.6	2.3	264	RLH1M RLH2M	32 64
T127RLH	12m	219	140	114	5065	5250	1505	1700	196	15.4	2.2	220	RLH1M RLH2M	11 36

*Root concrete diameter based on poor soil or better, min. 230kN/m²

Flange Plate Mounted

Dimensions (mm) Product Code	H	OD1	OD2	OD3	w	x	y	Flange Plate	Weight (kg)	OTM (KNm)	Shear (KN)	Concrete Dimension*	Counterbalance Type & Max. Weight (kg)	
T067RLH/FP	6m	219	140	114	3200	1505	1505	Type 2	102	15.3	2.8	950 x 1100	RLH1M RLH2M	62 105
T087RLH/FP	8m	219	140	114	3157	3200	1505	Type 2	122	15.9	2.6	1050 x 1100	RLH1M RLH2M	62 105
T107RLH/FP	10m	219	140	114	4115	4230	1505	Type 2	145	15.6	2.3	950 x 1100	RLH1M RLH2M	32 64
T127RLH/FP	12m	219	140	114	5065	5250	1505	Type 2	173	15.4	2.2	950 x 1100	RLH1M RLH2M	11 36

*Concrete dimension based on a minimum ground bearing pressure of 150KN/m², (S = square dimension, H = depth)
For complete information on foundation options please refer to www.abacuslighting.com/foundation

Outreach & Floodlight Brackets

Height	Projection Length	Outreach Brackets Single (S)	Double (D)	Spigot Lengths /SP 230mm /SP1 100mm	Floodlight Brackets	
		Overlap Fit on Shaft	Flush Fit on Spigot	Type/Bolt Centres (mm)	Overlap Fit on Shaft	Flush Fit on Spigot
6m		**T067RLH**	**T067RLH/SP**		**T067RLH**	**T067RLH/SP**
	0.30m	PR6-03/S or /D	PR7-03/S or /D	Double (800)	FL4/3	FL5/3
	0.50m	PR6-05/S or /D	PR7-05/S or /D	Triple (800)	FL4/5	FL5/5
8m		**T087RLH**	**T087RLH/SP**		**T087RLH**	**T087RLH/SP**
	0.50m	PR6-05/S or /D	PR7-05/S or /D	Double (800)	FL4/3	FL5/3
	1.00m	PR6-10/S or /D	PR7-10/S or /D	Triple (800)	FL4/5	FL5/5
	1.50m	PR6-15/S or /D	PR7-15/S or /D			
10m		**T107RLH**	**T107RLH/SP**	Single	**T107RLH**	**T107RLH/SP**
	0.30m	PR6-05/S or /D	PR7-05/S or /D	Double (800)	FL4/1	FL5/1
	0.50m	PR6-10/S or /D	PR7-10/S or /D	Triple (800)	FL4/3	FL5/3
		PR6-15/S or /D	PR7-15/S or /D		FL4/5	FL5/3
12m		**T127RLH**	**T127RLH/SP**		**T127RLH**	**T127RLH/SP**
	0.50m	PR6-05/S or /D	PR7-05/S or /D	Single	FL4/1	FL5/1
	0.75m	PR6-075/S or /D	PR7-075/S or /D	Double (800)	FL4/3	FL5/3

NOTE: Check column headload and wind load capacities
For complete bracket information please refer to pages 35-37

Column Headload Capacity (m²)

Based on UK rationalised wind loading factors for EN40

Product Code	Lantern Mounting/ Projection	Max. Headload (kg)	Light 396	Medium 429	Heavy 466	Very Heavy 576
T067RLH	Post Top	185	2.453	2.255	2.069	1.561
	0.50m	12	0.741	0.681	0.624	0.50
	1.00m	12	0.499	0.457	0.415	0.332
T087RLH	Post Top	112	1.075	0.985	0.901	0.724
	0.50m	12	0.408	0.374	0.341	0.272
	1.00m	12	0.275	0.25	0.227	0.178
	1.50m	12	0.194	0.175	0.157	0.119
T107RLH	Post Top	76	0.608	0.553	0.503	0.40
	0.50m	12	0.247	0.224	0.203	0.16
	1.00m	12	0.167	0.150	0.135	0.103
	1.50m	12	0.114	0.101	0.089	0.063
T127RLH	Post Top	48	0.312	0.279	0.252	0.195
	0.50m	12	0.136	0.121	0.108	0.682
	0.75m	12	0.108	0.098	0.085	0.062

For complete information on column headloads refer to www.abacuslighting.com/columns.asp

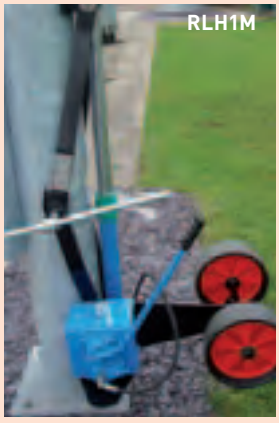
COUNTERBALANCE UNITS

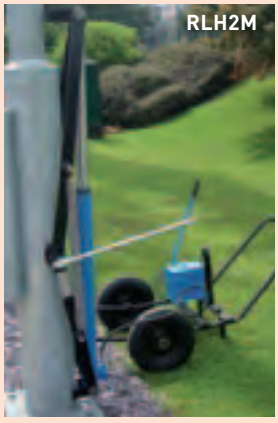
TO OPERATE HEAVY DUTY BASE HINGED RANGE

Manual Units - RLH1M and RLH2M

The two manually operated units, RLH1M (light loads only) and RLH2M, lower and raise the columns in a straightforward way.

The operating instructions for the units can be found on the Abacus website, in conjunction with a video of the column operation.

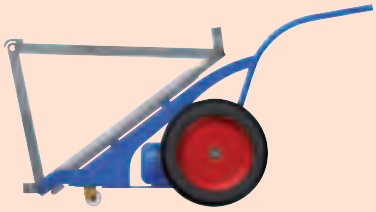




Counterbalance Product Code	Column Height	Safe Working Load (kg) up to 12m	Counterbalance Weights (kg)*
RLH1M	6m, 8m, 10m, 12m	62, 62, 32, 11kg†	49
RLH2M	6m, 8m, 10m, 12m	105, 105, 64, 36kg†	90

*Weight excludes the operating lever, 3kg independently
†Post top applications only

Motorised Unit - RLH219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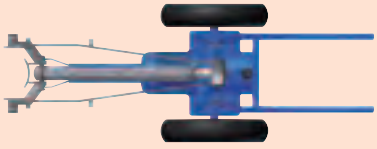
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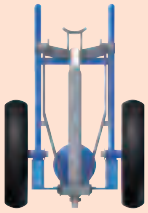
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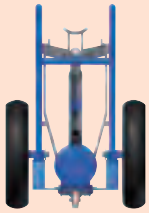
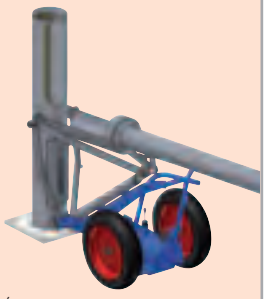

4.

The new RLH219 motorised unit, available from early 2009, offers an improved, faster way to raise the column, by means of an electric pump mounted on the chassis.

The RLH219's design allows the cylinder to be brought up to the column in a simple and practical manner.

5.


6.

Counterbalance Product Code	Column Height	Safe Working Load (kg) up to 12m	Counterbalance Weights (kg)*
RLH219	6m, 8m, 10m, 12m	105, 105, 64, 36kg	90kg (tbc)

*Weight excludes the operating lever, 3kg independently