

Abacus[®]
Leaders in Lighting

THE COMPLETE RANGE OF BASE-HINGED & STANDARD COLUMNS

LIGHTING COLUMNS



OVERLAP TO ARROW POINTS
WARNING
DO NOT OPERATE OR
INCREASE THE HEADLOAD
WITHOUT REFERRING TO THE
MANUFACTURERS INSTRUCTIONS
Abacus
SUTTON IN ASHFIELD NOTTS. UK
<http://www.abacuslighting.com>
PATENTED

HEAVY DUTY

The path to safe, easy long-life maintenance

Our range of heavy duty base-hinged columns offers a choice of headload weights of between 36kg and 105kg, depending on the column height.

The range can be operated by a manually or electrically operated counterbalance unit – just contact our sales office for availability. It can be used in a wide variety of settings:

- Floodlighting for sports & amenity facilities
- Security lighting
- Road lighting in locations that are difficult to access
- CCTV with or without lighting
- Smaller scale windmill/solar panel combinations
- Lighting with signage panels

You can see the step-by-step operation of our heavy duty column range on the Abacus website, www.abacuslighting.com. Go to the base-hinged column section to see the complete range available.

Amenity Lighting Applications

Base-hinged lighting columns located close to overhead power cables.



Sports Columns

Our sports pack range can be maintained at ground level safely and easily, and is ideally suited to smaller facilities needing 8m to 12m height sports lighting columns.

We supply our sports columns with the appropriate control gear and fit protection equipment for quick on-site installation. There's no need for maintenance platforms as lamps can be changed and floodlights cleaned at ground level.

To find out more about our range of sports pack columns that are fully pre-wired and ready for installation, turn to pages 40-43.



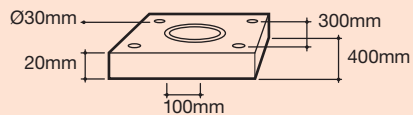
HEAVY DUTY

6-12M BASE-HINGED COLUMN

Designed to EN40. Hot dip galvanised to BS EN ISO 1461:2009. Manufactured in steel tube to EN10210

Flange Plate

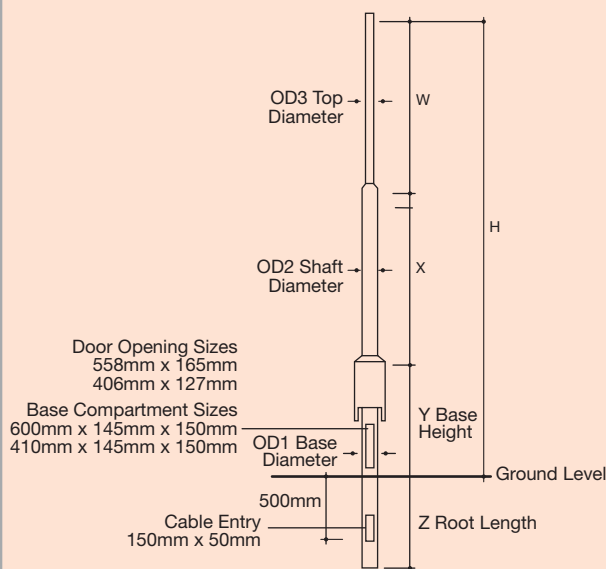
Type 2 FA002G Bolts/cross brace M24 x 600mm
FC022 Template



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)

Column Dimensions



Root Mounted

Dimensions (mm)													Counterbalance Type & Max. Weight (kg)	
Product Code	H	OD1	OD2	OD3	w	x	y	z	Weight (kg)	OTM (kNm)	Shear (kN)	Min. Concrete Diameter*		
T067RLH	6m	219	140	114	2035	2370	1505	1200	106	15.3	2.8	557	RLH1M RLH2M	120 185
T087RLH	8m	219	140	114	3157	3200	1505	1200	137	14.5	2.3	519	RLH1M RLH2M	68 112
T107RLH	10m	219	140	114	4115	4230	1505	1500	164	14.2	2.1	264	RLH1M RLH2M	40 76
T127RLH	12m	219	140	114	5065	5250	1505	1700	185	14.1	1.9	220	RLH1M RLH2M	18 48

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

Flange Plate Mounted

Dimensions (mm)												Counterbalance Type & Max. Weight (kg)	
Product Code	H	OD1	OD2	OD3	w	x	y	Flange Plate	Weight (kg)	OTM (kNm)	Shear (kN)		Concrete Dimension*
T067RLH/FP	6m	219	140	114	2035	2370	1505	Type 2	102	15.3	2.8	1050 x 1200	RLH1M 120 RLH2M 185
T087RLH/FP	8m	219	140	114	3157	3200	1505	Type 2	122	14.6	2.3	950 x 1100	RLH1M 68 RLH2M 112
T107RLH/FP	10m	219	140	114	4115	4230	1505	Type 2	145	14.2	2.1	950 x 1100	RLH1M 40 RLH2M 76
T127RLH/FP	12m	219	140	114	5065	5250	1505	Type 2	173	14.1	1.9	950 x 1100	RLH1M 18 RLH2M 48

*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.abacushlighting.com/base-hinged-fixed-columns.asp

Outreach & Floodlight Brackets

Height	Projection Length	Outreach Brackets		Spigot Lengths	Floodlight Brackets	
		Single (S)	Double (D)	/SP 230mm /SP1 100mm		
		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	Single	FL4/1	FL5/1
	0.50m	PR6-05/S or /D	PR7-05/S or /D	Double (800)	FL4/3	FL5/3
				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	Single	FL4/1	FL5/1
	1.00m	PR6-10/S or /D	PR7-10/S or /D	Double (800)	FL4/3	FL5/3
	1.50m	PR6-15/S or /D	PR7-15/S or /D	Triple (800)	FL4/5	FL5/5
10m		T107RLH	T107RLH/SP		T107RLH	T107RLH/SP
	0.50m	PR6-05/S or /D	PR7-05/S or /D	Single	FL4/1	FL5/1
	1.00m	PR6-10/S or /D	PR7-10/S or /D	Double (800)	FL4/3	FL5/3
	1.50m	PR6-15/S or /D	PR7-15/S or /D	Triple (800)	FL4/5	FL5/5
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 37-39

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	Extra Heavy 576
T067RLH	Post Top	185	2.453	2.255	2.069	1.661
	0.50m	12	0.741	0.681	0.624	0.50
	1.00m	12	0.499	0.457	0.418	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	0.082
	0.75m	12	0.108	0.096	0.085	0.062

For complete information on column headloads refer to www.abacuslighting.com/base-hinged-fixed-columns.asp