



LIGHT DUTY

The path to safe, easy long-life maintenance

When it comes to manufacturing and supplying base hinged columns, Abacus Lighting is the world leader.

Our base hinged column has a proven track record of being safe and easy to maintain over a long time period. It was developed in response to a demand from the railway industry for a 5m column that could be maintained without a ladder, and is now installed worldwide in a multitude of business sectors.

Multiple applications

Because of the range's many practical advantages, it can be installed across a broad sweep of business sectors.

Health & safety

Safe, easy maintenance of lighting points is a key consideration for many companies. And the Abacus base hinged column is the ideal solution for locations that are often difficult or impossible to reach by more traditional means.

Simplicity of use

Ease of use is a big benefit of the Abacus base hinged column; the spring counterbalance unit means the column can be lowered for maintenance in less than one minute, in total safety.

Simplicity of engineering

Thanks to their robust design and longevity, our base hinged columns can be installed in all types of locations exposed to public traffic that can be difficult to reach.



LIGHT DUTY BASE HINGED COLUMNS & THE RAILWAY

The base hinged column is now a standard on international railway platforms. Its popularity is all down to quick, safe and easy operation, together with long term durability, often in harsh environments.



Flush Door Innovation

There's the choice of a flush door in the base of light and medium duty columns, giving easy access to any equipment in the column.

The flush door enables a locking device in the base of the column; as a result, the standard locking screw on the side of the column is not required.



Aluminium Model

The light duty column is also available in aluminium, with a bead blasted finish for an attractive contemporary look. The aluminium model has the advantage of being both lightweight and durable and offers the same ease of use as the standard base hinged column.

For more information see page 10.



AMENITY LIGHTING APPLICATIONS

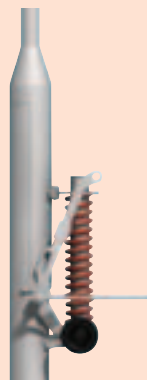
Ideally suited to often difficult access locations such as:

- Pathways
- Public parks
- Car parks
- Industrial areas



Counterbalance Units - RLS168 / RLH168

The column is lowered by means of a spring counterbalance unit, RLS168 (see right), available in a range of strengths based on column height and headload, or with a universal hydraulic unit, the RLH168 (see page 12 for full details).



RLS168



RLH168

To see the base hinged columns in operation visit www.abacuslighting.com/basehingedcolumns.asp

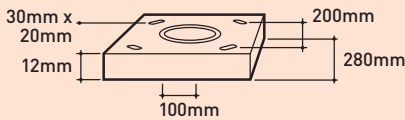
LIGHT DUTY

4-8M BASE HINGED COLUMN Patent No: 968113

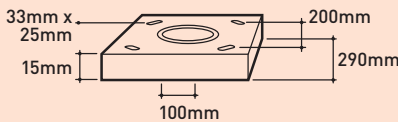
Designed to EN40. Hot dip galvanised to BS EN1461:1999. Manufactured in steel tube to EN10210

Flange Plate

Type 0 FA000G Bolts/cross brace M16 x 500mm
FC020 Template



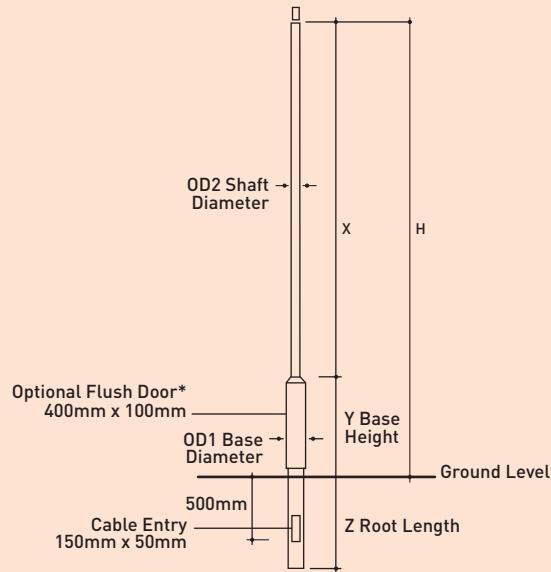
Type 1 FA001G Bolts/cross brace M20 x 500mm
FC021 Template



Accessories

- XXSC003F** Tamper resistant locking screw
- XXSC003F** Key for locking screw
- 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



***Flush Door Option**

Flush door enables internal locking mechanism. Side fitted locking screw not required on this model. Add /FD suffix.



Root Mounted

Product Code	Dimensions (mm)						Weight (kg)	OTM (KNm)	Shear (KN)	Min. Concrete Diameter*	Counterbalance Type & Max. Weight
	Height	OD1	OD2	x	y	z					
T041RLS	4m	168	76	2875	1050	600	50	4.9	1.4	1397	RLS168 - Yellow 10kg RLS168 - White 20kg RLS168 - Red 29kg RLH168 - 29kg
T051RLS	5m	168	76	3875	1050	800	59	4.8	1.3	570	RLS168 - Yellow 10kg RLS168 - White 18kg RLS168 - Red 27kg RLH168 - 27kg
T061RLS	6m	168	76	4860	1050	1000	68	4.7	1.2	291	RLS168 - White 10kg RLS168 - Red 18kg RLS168 - Blue 28kg RLH168 - 28kg
T081RLS	8m	168	89	6830	1050	1200	89	5.7	1.3	198	RLS168 - Blue 11kg RLS168 - Green 17kg RLH168 - 17kg

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

Flange Plate Mounted

Product Code	Dimensions (mm)					Flange Plate	Weight (kg)	OTM (KNm)	Shear (KN)	Concrete Dimension*	Counterbalance Type & Max. Weight
	Height	OD1	OD2	x	y						
T041RLS /FP	4m	168	76	2875	1050	Type 0	49	4.9	1.4	750 x 800	RLS168 - Yellow 10kg RLS168 - White 20kg RLS168 - Red 29kg RLH168 - 29kg
T051RLS /FP	5m	168	76	3875	1050	Type 0	54	4.8	1.3	750 x 800	RLS168 - Yellow 10kg RLS168 - White 18kg RLS168 - Red 27kg RLH168 - 27kg
T061RLS /FP	6m	168	76	4860	1050	Type 0	59	4.7	1.2	750 x 800	RLS168 - White 10kg RLS168 - Red 18kg RLS168 - Blue 28kg RLH168 - 28kg
T081RLS /FP	8m	168	89	6830	1050	Type 1	77	5.7	1.3	750 x 900	RLS168 - Blue 11kg RLS168 - Green 17kg RLH168 - 17kg

*Concrete dimension based on a minimum ground bearing pressure of 150KN/m², (S = square dimension, H = depth)

Outreach & Floodlight Brackets

Height	Projection Length	Outreach Brackets		Spigot Lengths /SP 230mm /SP1 100mm	Floodlight Brackets	
		Single (S)	Double (D)		Overlap Fit on Shaft	Flush Fit on Spigot
4m		T041RLS	T041RLS/SP+/SP1*		T041RLS	T041RLS/SP
	0.30m	PR2-03/S or /D	PR1-03/S or /D*	Single	FL1/1	FLO/1
	0.50m	PR2-05/S or /D	PR1-05/S or /D*	Double (600)	FL1/2	FLO/2
5m		T051RLS	T051RLS/SP+/SP1*		T051RLS	T051RLS/SP
	0.30m	PR2-03/S or /D	PR1-03/S or /D*	Single	FL1/1	FLO/1
	0.50m	PR2-05/S or /D	PR1-05/S or /D*	Double (600)	FL1/2	FLO/2
6m		T061RLS	T061RLS/SP+/SP1*		T061RLS	T061RLS/SP
	0.30m	PR2-03/S or /D	PR1-03/S or /D*	Single	FL1/1	FLO/1
	0.50m	PR2-05/S or /D	PR1-05/S or /D*	Double (800)	FL1/3	FLO/3
8m		Post top lanterns only			T081RLS	T081RLS/SP
				Single	FL2/1	FL1/1
				Double (800)	Post top floodlight only	

*Outreach brackets series PR1 & PR2 below 0.50m projection fit onto 100mm spigot (/SP1). 0.50m + on standard 230mm spigot (/SP)
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
T041RLS	Post Top	53	1.152	1.054	0.961	0.756
	0.25m Single Outreach	8	0.363	0.332	0.303	0.24
	0.50m Single Outreach	8	0.258	0.236	0.215	0.168
T051RLS	Post Top	38	0.775	0.703	0.634	0.484
	0.25m Single Outreach	8	0.298	0.271	0.246	0.133
	0.50m Single Outreach	8	0.214	0.194	0.175	0.133
T061RLS	Post Top	28	0.528	0.472	0.418	0.302
	0.25m Single Outreach	8	0.237	0.213	0.19	0.141
	0.50m Single Outreach	8	0.171	0.153	0.136	0.099
T081RLS	Post Top	17	0.16	0.133	0.109	0.06
	0.25m Single Outreach	8	0.06	0.05	-	-

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

BASE HINGED COLUMNS

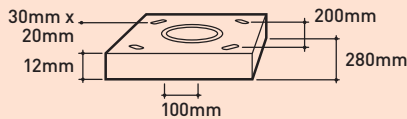
ALUMINIUM

4-6M BASE HINGED COLUMN Patent No: 968113

Designed to EN40. Finished bead blasted for a high quality look

Flange Plate

Type 0 FA000G Bolts/cross brace M16 x 500mm
FC020 Template



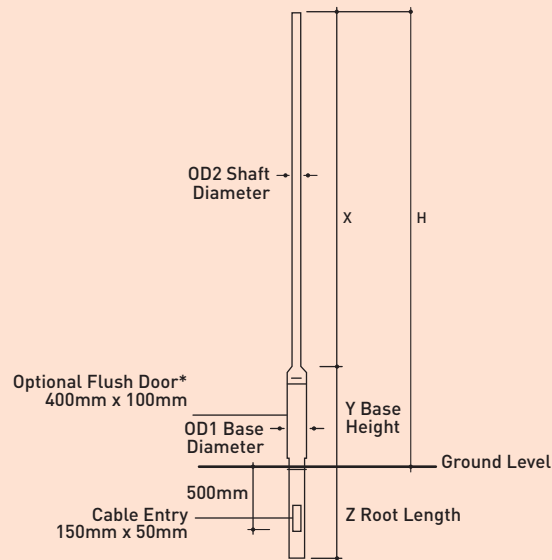
Accessories

XXSC003F Tamper resistant locking screw
XXSC003F Key for locking screw
ELSAB1/6A Single fuse cut-out, 6A, loop in/out (not fitted)
ELSAB12/6A Twin fuse cut-out, 6A, loop in/out (not fitted)

***Brackets**
Outreach brackets to suit customers' requirements can be supplied in the same material.

***Flush Door Option**
Flush door enables internal locking mechanism. Side fitted locking screw not required on this model. Add /FD suffix.

Column Dimensions



Root Mounted

Dimensions (mm)	Dimensions (mm)						Weight (kg)	OTM (KNm)	Shear (KN)	Min. Concrete Diameter*	Counterbalance Type & Max. Weight
Product Code	Height	OD1	OD2	x	y	z					
AL041RLS	4m	168	76	2890	1050	600	30	3.0	1.0	370	RLS168 - Yellow 18kg RLS168 - Red 38kg RLS168 - Blue 48kg
AL051RLS	5m	168	76	3875	1050	800	35	2.9	0.9	357	RLS168 - Yellow 10kg RLS168 - Red 27kg RLS168 - Blue 33kg
AL061RLS	6m	168	89	4860	1050	1200	39	2.8	0.9	188	RLS168 - Red 18kg RLS168 - Blue 24kg

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

Flange Plate Mounted

Dimensions (mm)	Dimensions (mm)					Flange Plate	Weight (kg)	OTM (KNm)	Shear (KN)	Concrete Dimension*	Counterbalance Type & Max. Weight
Product Code	Height	OD1	OD2	x	y						
AL041RLS /FP	4m	168	76	2890	1050	Type 0	26	3.0	1.0	650 x 750	RLS168 - Yellow 18kg RLS168 - Red 38kg RLS168 - Blue 48kg
AL051RLS /FP	5m	168	76	3875	1050	Type 0	30	2.9	0.9	650 x 750	RLS168 - Yellow 10kg RLS168 - Red 27kg RLS168 - Blue 33kg
AL061RLS /FP	6m	168	76	4860	1050	Type 0	34	2.8	0.9	650 x 750	RLS168 - Red 18kg RLS168 - Blue 24kg

*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

STAINLESS STEEL

5-6M BASE HINGED COLUMN Patent No: 968113

Designed to EN40. Manufactured in grade 304 as standard. Available on request in grade 316 for harsher environmental conditions. Finished bead blasted

Flange Plate

Type 0 FA000G Bolts/cross brace M16 x 500mm
FC020 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)

***Brackets**
Outreach brackets to suit customers' requirements can be supplied in the same material.
Note: 6m column is available for post top mounting only.

***Flush Door Option**
Flush door enables internal locking mechanism. Side fitted locking screw not required on this model. Add /FD suffix.

Column Dimensions

Root Mounted

Dimensions (mm)											Counterbalance Type & Max. Weight
Product Code	Height	OD1	OD2	x	y	z	Weight (kg)	OTM (KNm)	Shear (KN)	Min. Concrete Diameter*	
SL51RLS	5m	168	76	3905	1020	800	57	3.6	1.0	448	RLS168 - Yellow 10kg RLS168 - White 18kg
SL61RLS	6m	168	76	4890	1020	1000	68	3.6	1.0	232	RLS168 - Yellow 10kg RLS168 - White 18kg

*Root concrete diameter based on poor soil or better, min. 230kN/m²
For the 316 grade add /316 to product code

Flange Plate Mounted

Dimensions (mm)											Counterbalance Type & Max. Weight
Product Code	Height	OD1	OD2	x	y	Flange Plate	Weight (kg)	OTM (KNm)	Shear (KN)	Concrete Dimension*	
SL51RLS /FP	5m	168	76	3905	1020	Type 0	53	3.6	1.0	700 x 800	RLS168 - Yellow 18kg RLS168 - Red 38kg
SL61RLS /FP	6m	168	76	4890	1020	Type 0	64	3.6	1.0	700 x 800	RLS168 - Yellow 10kg RLS168 - Red 27kg

*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

COUNTERBALANCE UNITS

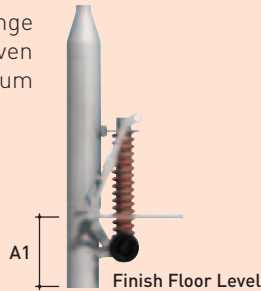
TO OPERATE LIGHT DUTY BASE HINGED RANGE

Spring Counterbalance - RLS168

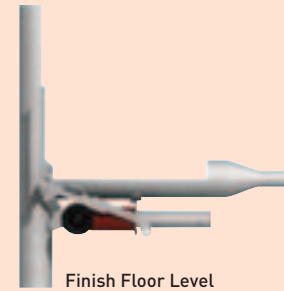
The spring unit, type RLS168, is available in a range of coloured springs. Each spring type has a given capacity, based on the column height and maximum safe working load.



Column key is inserted into the end of the operating lever. Column key item no.XXSC006F



Column Position = Raised, Docked and Locked



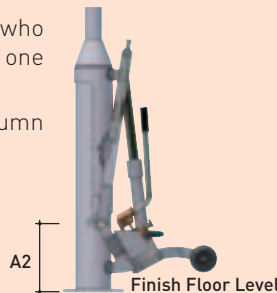
Column Position = Lowered, Un-docked and Un-locked

A1 Design height of the pivot above finished floor level is 300mm. If this distance is less than 230mm, difficulty in fitting counter balance will be experienced

Hydraulic Counterbalance - RLH168

This hydraulic unit is popular with companies who have multiple column heights and headloads on one site or over a number of sites.

The advantage is that it can operate the full column range regardless of height and headload.



Column Position = Raised, Docked and Locked



Column Position = Lowered, Un-docked and Un-locked

A2 Design height of the pivot above finished floor level is 300mm. If this distance is less than 250mm, difficulty in fitting counter balance will be experienced

Counterbalance Product Code	Column Height	Safe Working Load (kg)	Counterbalance Weights (kg)*
RLS168-yellow	4m, 5m	17, 10	22
RLS168-red	4m, 5m, 6m	27, 18, 10	23.5
RLS168-blue	6m, 8m	27, 18	25
RLS168-green	8m	17	26.5
RLH168	4m, 5m, 6m, 8m	27, 27, 28, 17	37.5**

*Weight includes operating lever only when used with the light duty base hinged column range

**Weight does not include operating lever (2.5kg for RLH168)

Column Carrier - RL900M

Features

The Abacus Column Carrier System has been designed to safely and conveniently move base hinged columns and guide them into position for installation with minimum effort.

- Designed specifically for the root mounted spring raise and lowering column up to 168Ø and a minimum 6m mounting height
- Enables a column to be safely transported to its installation location and provides a stable platform for the column to be worked on, prior to erection
- The column carrier can be used by one man for moving columns to the installation site
- The column can be lifted into place safely and easily by two men

Note: See page 16 for further images of the product



MEDIUM DUTY

The path to safe, easy long-life maintenance

The medium duty range of base hinged columns offers a range of headload weights of between 40kg and 90kg, dependent on column height.

This provides for a versatile range of applications including:

- Lighting, utilising heavier lantern types
- CCTV with or without lighting
- Smaller scale windmill/solar panel combinations
- Lighting with signage panels

Counterbalance Unit - RLH168

A single universal hydraulic counterbalance unit is used to operate the medium duty range of columns.



RLH168

To see the base hinged columns in operation visit www.abaculighting.com/basehingedcolumns.asp

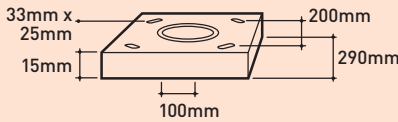
MEDIUM DUTY

5-8M BASE HINGED COLUMN Patent No: 968113

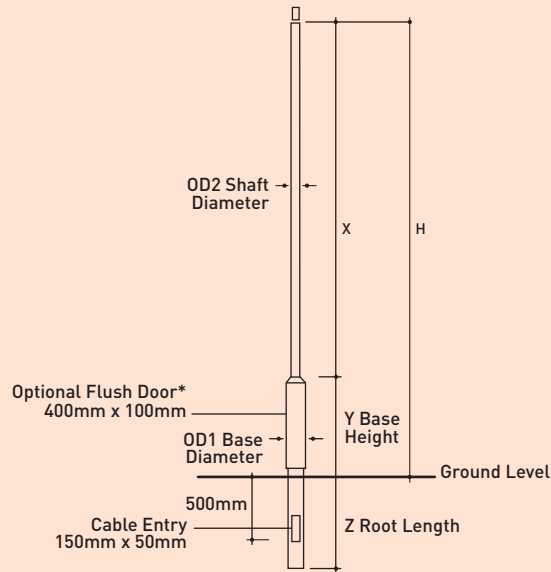
Designed to EN40. Hot dip galvanised to BS EN1461:1999. Manufactured in steel tube to EN10210

Flange Plate

Type 1 FA001G Bolts/cross brace M20 x 500mm
FC021 Template



Column Dimensions



***Flush Door Option**

Flush door enables internal locking mechanism. Side fitted locking screw not required on this model. Add /FD suffix.

Accessories

- XXSC003F Tamper resistant locking screw
- XXSC003F Key for locking screw
- 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)											Counterbalance Type & Max. Weight (kg)
Product Code	Height	OD1	OD2	x	y	z	Weight (kg)	OTM (KNm)	Shear (KN)	Min. Concrete Diameter*	
T058RLH	5m	168	114	3815	1050	800	80	10.7	2.4	1167	RLH168 90
T068RLH	6m	168	114	4860	1050	1000	88	10.3	2.1	586	RLH168 70
T088RLH	8m	168	114	6830	1050	1200	106	10.1	1.8	333	RLH168 40

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

Flange Plate Mounted

Dimensions (mm)											Counterbalance Type & Max. Weight (kg)
Product Code	Height	OD1	OD2	x	y	Flange Plate	Weight (kg)	OTM (KNm)	Shear (KN)	Concrete Dimension*	
T058RLH/FP	5m	168	114	3815	1050	Type 1	72	10.7	2.4	950 x 1100	RLH168 90
T068RLH/FP	6m	168	114	4860	1050	Type 1	80	10.3	2.1	950 x 1100	RLH168 70
T088RLH/FP	8m	168	114	6830	1050	Type 1	48	10.1	1.8	950 x 1100	RLH168 40

*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		Spigot Lengths	Floodlight Brackets	
		Single (S)	Double (D)	/SP 230mm /SP1 100mm	Overlap Fit on Shaft	Flush Fit on Spigot
		Overlap Fit on Shaft	Flush Fit on Spigot	Type/Bolt Centres (mm)	Overlap Fit on Shaft	Flush Fit on Spigot
5m		T058RLH	T058RLH/SPor/SP1*		T058RLH	T058RLH/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
6m		T068RLH	T068RLH/SP		T068RLH	T068RLH/SP
	0.50m	PR6-05/S or /D	PR7-05/S or /D	Double (800)	FL4/3	FL5/3
	1.00m	PR6-10	PR7-10/S or /D	Triple (800)	FL4/5	FL5/5
6m		T088RLH	T088RLH/SP		T088RLH	T088RLH/SP
	0.50m	PR6-05/S or /D	PR7-05/S or /D	Double (800)	FL4/3	FL5/3
	1.00m	PR6-10	PR7-10/S or /D	Triple (800)	FL4/5	FL5/5
	1.25m	PR6-125/S or /D	PR7-125/S or /D			

*Outreach brackets series PR1 & PR2 below 0.50m projection fit onto 100mm spigot (/SP1). 0.50m + on standard 230mm spigot (/SP)
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
T058RLH	Post Top	90	1.881	1.728	1.583	1.266
	0.50m Single Outreach	10	0.665	0.661	0.56	0.447
	0.75m Single Outreach	10	0.534	0.49	0.448	0.357
	1.00m Single Outreach	10	0.442	0.404	0.369	0.292
T068RLH	Post Top	70	1.392	1.274	1.163	0.923
	0.75m Single Outreach	10	0.472	0.432	0.394	0.311
	1.00m Single Outreach	10	0.39	0.357	0.325	0.255
	1.50m Single Outreach	10	0.28	0.254	0.23	0.176
T088RLH	Post Top	40	0.547	0.496	0.448	0.351
	0.50m Single Outreach	10	0.307	0.279	0.253	0.199
	0.75m Single Outreach	10	0.247	0.224	0.202	0.157
	1.00m Single Outreach	10	0.199	0.179	0.161	0.123

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

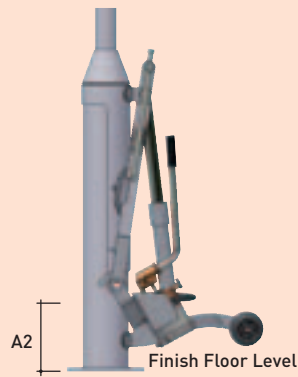
COUNTERBALANCE UNITS

TO OPERATE MEDIUM DUTY BASE HINGED RANGE

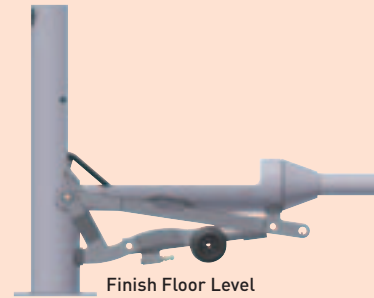
Hydraulic Counterbalance - RLH168

This hydraulic unit is popular with companies who have multiple column heights and headloads on one site or over a number of sites.

The advantage is that it can operate the full column range regardless of height and headload.



Column Position = Raised, Docked and Locked



Column Position = Lowered, Un-docked and Un-locked

A2 Design height of the pivot above finished floor level is 300mm. If this distance is less than 250mm, difficulty in fitting counter balance will be experienced

Counterbalance Product Code	Column Height	Safe Working Load (kg) up to 12m	Counterbalance Weights (kg)*
RLH168	5m, 6m, 8m	40, 70, 90kg	37.5

*Weight does not include the operating lever (2.5kg)

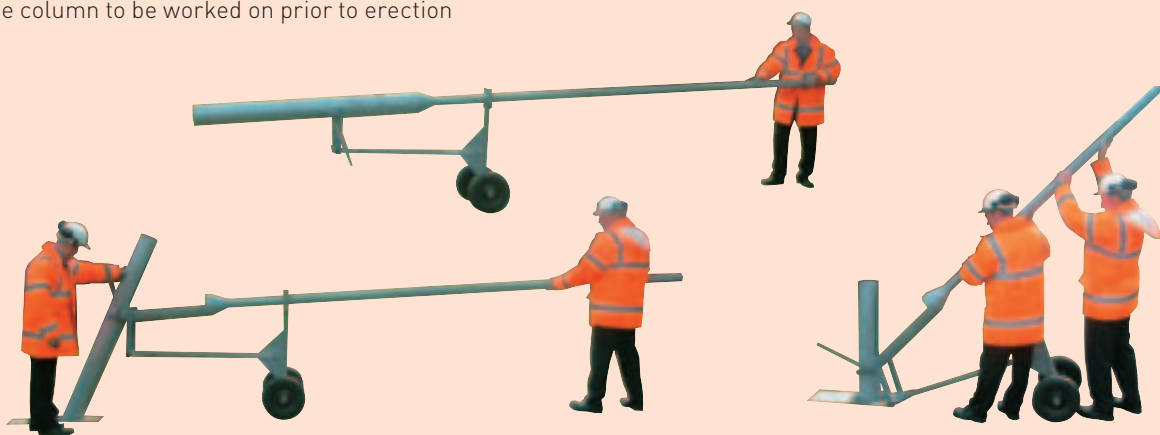
Column Carrier – RL900M

Features

The Abacus Column Carrier System has been designed to move base hinged columns safely and conveniently and guide them into position for installation with the minimum of effort.

- Designed specifically for the root mounted base hinged column up to 168Ø and a maximum 6m mounting height
- Enables a column to be transported safely to its installation location and provides a stable platform for the column to be worked on prior to erection

- The column carrier can be used by one man for moving columns to the installation site
- The column can be lifted into place safely and easily by two men



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 38-41.



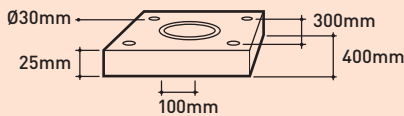
HEAVY DUTY

6-12M BASE HINGED COLUMN

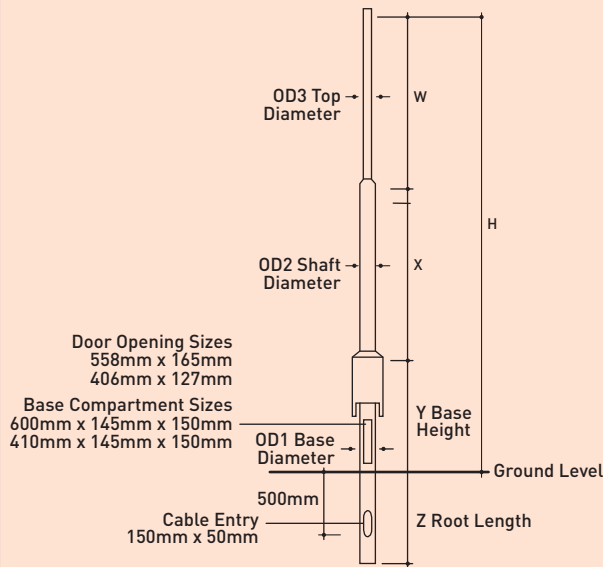
Designed to EN40. Hot dip galvanised to BS EN1461:1999. Manufactured in steel tube to EN10210

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

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

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

Flange Plate Mounted

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

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
		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

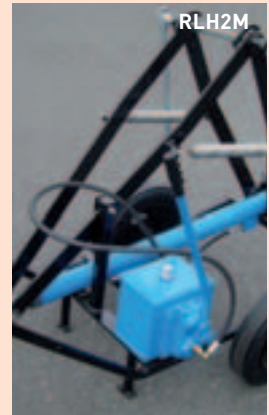
COUNTERBALANCE UNITS

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.

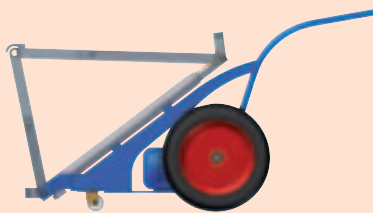
The operating instructions for the units can be found on the Abacus website, in conjunction with a video of the column operation.



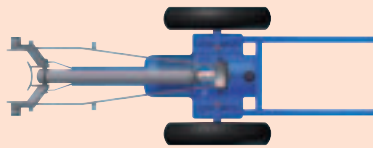
Counterbalance Product Code	Column Height	Safe Working Load (kg) up to 12m	Counterbalance Weights (kg)*
RLH1M	6m, 8m, 10m, 12m	62, 62, 32, 11kg†	49
RLH2M	6m, 8m, 10m, 12m	105, 105, 64, 36kg†	90

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

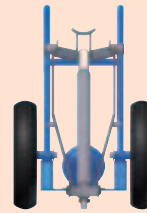
Motorised Unit - RLH219



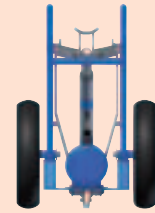
1.



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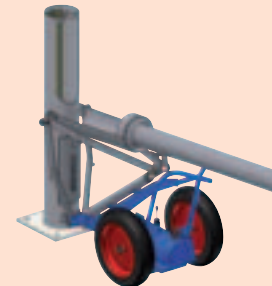
4.

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