

Name of Manufacturer:

Abacus[®]

ABACUS LIGHTING LIMITED

Sutton - in - Ashfield, Nottinghamshire.

NG17 5FT ENGLAND

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DATA SHEET No.

T067RLH

Page

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Revision No

Date

8th JUNE 2005

NAME OF CONTRACT:

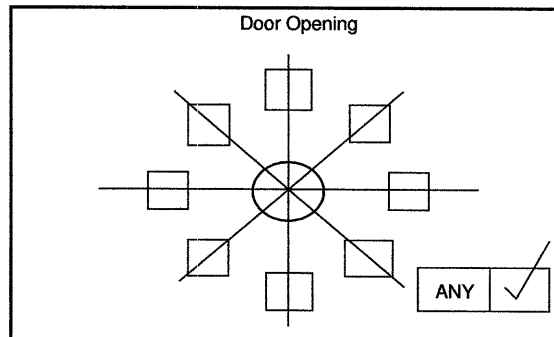
PART A

General

Column Reference	T067RLH		
Column nominal height	6	(m)	
Column material	S275 & S355 STEEL		
Material design strength	275 & 355	N/mm sq.	
No. of door openings	ONE		
Door opening size	Height	406	(mm)
	Width	127	(mm)
Cross-section of base compartment	Height (mm)	406	
	Width (mm)	145	
	Depth (mm)	150	

Corrosion protection

Acceptable positions of bracket arms relative to door position



Manufacturers drawing ref. no: N/A

Basic system type AS REQUIRED

Additional sacrificial steel thickness N/A (mm)

Terrain Category as defined in EN40-3-1 III

Planting depth 1.2 (m)

PART B

Foundation data

Planted base

Flange base

Standard Soil Type Factor G		
630	390	230
***** (m)	0.328 (m)	0.557 (m)

Bolt hole centres	Hole diameter	Design load/bolt
300 (mm)	30 (mm)	36105 (N)

Moment	15318 (Nm)	Shear	2811 (N)

(LOADINGS FOR COLUMN ARE UNFACTORED)

Relevant forces and moments at ground level.

Line of action of max moment relative to door opening

For flangeplates with slotted holes a diagram shall be included with this data sheet.

Details of Attachments	N/A
Area x Cf	(sq m) x
Height	(m)
Offset	(m)

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PART C
Acceptable Lanterns

Post Top Columns

Lantern Lever Arm (mm)	
Due to Wt. of Lantern	Due to Wind on Lantern
300	300

Lantern Connection		Lantern	Rationalized Wind Loading Factors				
Diameter (mm)	Length (mm)	Max. Wt. (Kg)	396	429	466	576	
AS REQUIRED			Maximum windage area (sq.m) For Rationalized Wind Loading Factors				
AS REQUIRED			185*	2.453	2.255	2.069	1.661

Single Arm Bracket Column

Lantern Lever Arm (mm)	
Due to Wt. of Lantern	Due to Wind on Lantern
400	400

*Max Headload - RLH1M = 120kg, RLH2M = 185kg

Bracket Projection (m)	Bracket Reference	Material		Lantern Connection			Lantern Maximum Weight (Kg)	Maximum windage area (sq.m) For Rationalized Wind Loading Factors			
		Grade	Design Strength N/sq.mm	Fixing Angle	Diameter (mm)	Length (mm)					
0.5	BKT-05/S	S275	275	AS REQUIRED			12	0.741	0.681	0.624	0.5
0.75	BKT-075/S	S275	275	AS REQUIRED			12	0.6	0.55	0.504	0.402
1	BKT-10/S	S275	275	AS REQUIRED			12	0.499	0.457	0.418	0.332
1.25	BKT-125/S	S275	275	AS REQUIRED			12	0.423	0.387	0.353	0.278
1.5	BKT-15/S	S275	275	AS REQUIRED			12	0.363	0.331	0.301	0.235

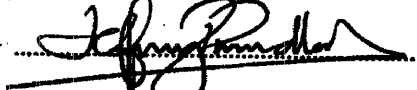
Double Arm Bracket Column

Lantern Lever Arm (mm)	
Due to Wt. of Lantern	Due to Wind on Lantern
400	400

Bracket Projection (m)	Bracket Reference	Material		Lantern Connection			Lantern Maximum Weight (Kg)	Maximum windage area (sq.m) For Rationalized Wind Loading Factors			
		Grade	Design Strength N/sq.mm	Fixing Angle	Diameter (mm)	Length (mm)					
0.5	BKT-05/D	S275	275	AS REQUIRED			12	1.346	1.242	1.143	0.923
0.75	BKT-075/D	S275	275	AS REQUIRED			12	1.038	0.957	0.88	0.71
1	BKT-10/D	S275	275	AS REQUIRED			12	0.836	0.77	0.708	0.569
1.25	BKT-125/D	S275	275	AS REQUIRED			12	0.692	0.637	0.584	0.468
1.5	BKT-15/D	S275	275	AS REQUIRED			12	0.583	0.535	0.491	0.391

PART D
CERTIFICATION

It is certified that the information given in this data sheet has been obtained in accordance with the requirements of BS EN 40 as implemented by Departmental Standard BD 26 and the specification.

Signed on behalf of the Contractor 

Date.....8th JUNE 2005.

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