

Name of Manufacturer:

Abacus®

ABACUS LIGHTING LIMITED

Sutton - in - Ashfield, Nottinghamshire.

NG17 5FT ENGLAND

Tel: (+44) 01623 511111 Fax: (+44) 01623 552133

DATA SHEET No.

TB060

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Revision No

Date

23rd MAY 2005

NAME OF CONTRACT:

PART A

General

Column Reference **TB060**

Column nominal height **6** (m)

Column material **S275 & S355 STEEL**

Material design strength **275 & 355** N/mm sq.

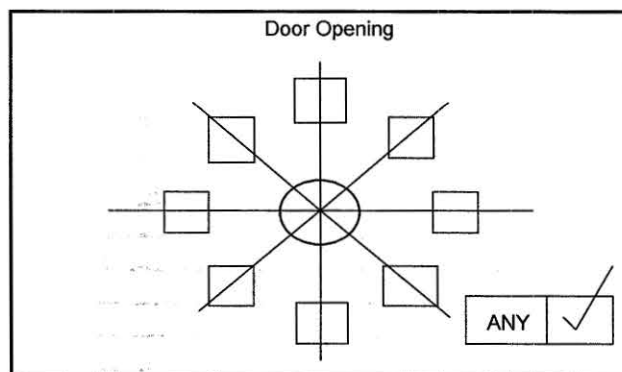
No. of door openings **ONE**

Door opening size Height **500** (mm)
Width **100** (mm)

Cross-section of base compartment	Height (mm)	Width (mm)	Depth (mm)
	500	95	90

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** (m)

PART B

Foundation data

Planted base

Flange base

Relavent forces and moments at ground level.

Line of action of max moment relative to door opening

Standard Soil Type Factor G		
630	390	230
***** (m)	0.18 (m)	0.306 (m)

Bolt hole centres	Hole diameter	Design load/bolt
200 (mm)	30 x 20 (mm)	17072 (N)

Moment	4829 (Nm)	Shear	1128 (N)

(LOADINGS FOR COLUMN ARE UNFACTORED)

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

			Rationalized Wind Loading Factors			
Lantern Connection		Lantern	396	429	466	576
Diameter (mm)	Length (mm)	Max. Wt. (Kg)	Maximum windage area (sq.m) For Rationalized Wind Loading Factors			
AS REQUIRED		35	0.553	0.495	0.44	0.321

Single 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/S	S275	275	AS REQUIRED			10	0.53	0.474	0.421	0.307
0.75	BKT-075/S	S275	275	AS REQUIRED			10	0.486	0.434	0.384	0.277
1	BKT-10/S	S275	275	AS REQUIRED			10	0.477	0.397	0.35	0.249
1.25	BKT-125/S	S275	275	AS REQUIRED			10	0.395	0.353	0.314	0.224
1.5	BKT-15/S	S275	275	AS REQUIRED			10	0.348	0.31	0.275	0.198

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			10	0.298	0.265	0.233	0.166
0.75	BKT-075/D	S275	275	AS REQUIRED			10	0.281	0.249	0.218	0.151
1	BKT-10/D	S275	275	AS REQUIRED			10	0.265	0.233	0.202	0.136
1.25	BKT-125/D	S275	275	AS REQUIRED			10	0.249	0.217	0.186	0.121
1.5	BKT-15/D	S275	275	AS REQUIRED			10	0.233	0.201	0.171	0.106

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.....23rd MAY 2005.

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