

Name of Manufacturer:

Abacus®

ABACUS LIGHTING LIMITED

Sutton - in - Ashfield, Nottinghamshire.

NG17 5FT ENGLAND

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DATA SHEET No.

CS050

Page

1 of 2

Revision No

Date

27th MAY 2005

NAME OF CONTRACT:

PART A

General

Column Reference

Column nominal height (m)

Column material

Material design strength N/mm sq.

No. of door openings

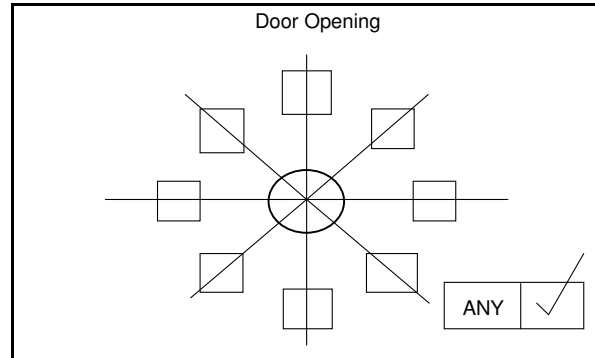
Door opening size

Height	<input type="text" value="300"/>	(mm)
Width	<input type="text" value="85"/>	(mm)

Height (mm)	Width (mm)	Depth (mm)
<input type="text" value="300"/>	<input type="text" value="80"/>	<input type="text" value="80"/>

Corrosion protection

Acceptable positions of bracket arms relative to door position



Manufacturers drawing ref. no:

Basic system type

Additional sacrificial steel thickness (mm)

Terrain Category as defined in EN40-3-1

Planting depth (m)

PART B

Foundation data

Relavent 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.

Standard Soil Type Factor G

630	390	230
0.217 (m)	0.35 (m)	0.594 (m)

Bolt hole centres	Hole diameter	Design load/bolt
200 (mm)	30 x 20 (mm)	17353 (N)

Moment	4908 (Nm)	Shear	1221 (N)
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(LOADINGS FOR COLUMN ARE UNFACTORED)

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

Data Sheet No.	CS050
Revision	Page 2 of 2
Date	27th MAY 2005

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	0.892	0.81	0.731	0.562

Single Arm Bracket Column

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

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)					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Double Arm Bracket Column

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

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)					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

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.....27th MAY 2005.