

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.

TB128L

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Revision No

Date

26th MAY 2005

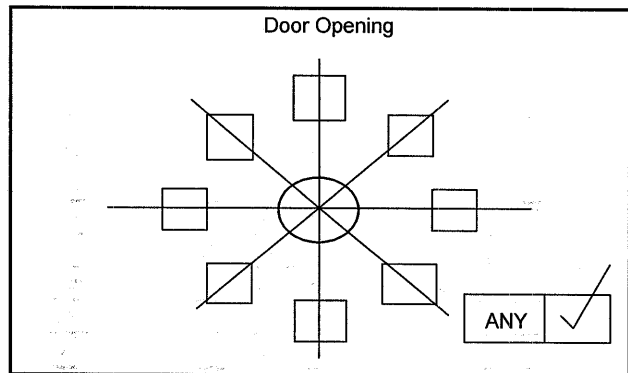
NAME OF CONTRACT:

PART A

General

Column Reference	<input type="text" value="TB128L"/>		
Column nominal height	<input type="text" value="12"/>	<input type="text" value="(m)"/>	
Column material	<input type="text" value="S355 STEEL"/>		
Material design strength	<input type="text" value="355"/>	<input type="text" value="N/mm sq."/>	
No. of door openings	<input type="text" value="ONE"/>		
Door opening size	Height	<input type="text" value="600"/>	<input type="text" value="(mm)"/>
	Width	<input type="text" value="115"/>	<input type="text" value="(mm)"/>
Cross-section of base compartment	Height (mm)	<input type="text" value="600"/>	<input type="text" value="121"/>
	Width (mm)	<input type="text" value="121"/>	<input type="text" value="135"/>
	Depth (mm)	<input type="text" value="135"/>	<input type="text" value="135"/>
Corrosion protection			

Acceptable positions of bracket arms relative to door position



Manufacturers drawing ref. no:	<input type="text" value="N/A"/>
Basic system type	<input type="text" value="AS REQUIRED"/>
Additional sacrificial steel thickness	<input type="text" value="N/A"/> (mm)
Terrain Category as defined in EN40-3-1	<input type="text" value="II"/>
Planting depth	<input type="text" value="1.7"/> (m)

Standard Soil Type Factor G		
630	390	230
***** (m)	***** (m)	0.264 (m)

Bolt hole centres	Hole diameter	Design load/bolt
300 (mm)	30 (mm)	49058 (N)

Moment	20814 (Nm)	Shear	2571 (N)

(LOADINGS FOR COLUMN ARE UNFACTORED)

PART B

Foundation data

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
			Maximum windage area (sq.m) For Rationalized Wind Loading Factors			
AS REQUIRED		75	0.749	0.658	0.571	0.376

Single Arm Bracket Column

Lantern Lever Arm (mm)	
Due to Wt. of Lantern	Due to Wind on Lantern
500	500

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			20	0.639	0.563	0.49	0.326
1	BKT-10/S	S275	275	AS REQUIRED			20	0.42	0.386	0.354	0.263
1.5	BKT-15/S	S275	275	AS REQUIRED			20	0.278	0.255	0.232	0.183
2	BKT-20/S	S275	275	AS REQUIRED			20	0.354	0.32	0.269	0.154
2.5	BKT-25/S	S275	275	AS REQUIRED			20	0.284	0.236	0.189	0.085


Double Arm Bracket Column

Lantern Lever Arm (mm)	
Due to Wt. of Lantern	Due to Wind on Lantern
500	500

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			20	0.398	0.349	0.301	0.195
1	BKT-10/D	S275	275	AS REQUIRED			20	0.368	0.319	0.272	0.167
1.5	BKT-15/D	S275	275	AS REQUIRED			20	0.267	0.244	0.223	0.138
2	BKT-20/D	S275	275	AS REQUIRED			20	0.291	0.243	0.197	0.095
2.5	BKT-25/D	S275	275	AS REQUIRED			20	0.221	0.173	0.128	*****

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.....26th MAY 2005.

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