



0402

Box 62, SE-81522 Tierp
Sweden

Column type: 12m conical with bracket

Identification no: J 6013 / 08

0402-CPD-49 67 01
EN 40-7

Part A General

Nominal height	12 m
Column shaft material	Fiberglass reinforced plastic with polyolefin coating
Material design strength (f_v)	165 N/mm ²
No. of door openings	1
Door opening size	400 mm x 80 mm
Cross section of base compartment	400 mm x 140 mm x 140 mm
Acceptable positions of bracket arms relative to door position	90° and 270° in plan

Resistance to horizontal loads		Single bracket					Double bracket				
		Maximum wind velocity V ref									
Maximum bracket length (m)		0	0,5	1,0	1,5	2,0	0	0,5	1	1,5	2
Luminaire area 0,1 m ² Including Shape Coefficient,c	Luminaire weight 7 kg										
	Deflection class 2	21,9	21,4	20,5	19,3	18,1	17,9	17,6	17,3	16,9	16,6
	Deflection class 3	30,5	29,4	28,0	26,3	24,4	24,4	23,8	23,2	22,7	22,2
Luminaire area 0,16m ² Including Shape Coefficient,c	Luminaire weight 13 kg										
	Deflection class 2	20,2	19,7	18,8	17,7	16,6	16,5	16,3	16,0	15,8	15,5
	Deflection class 3	27,8	26,9	25,6	23,9	22,1	22,2	21,8	21,4	20,9	20,5

Structural values obtained by calculation using section properties derived from full scale testing
Wind velocities calculated using Jerol Lighting Column Program which has been verified by Inspecta Oy
NB* Calculations and specific CE documentation are available for other sizes of luminaire

Partial load factor class: B	Maximum luminaire mass: accurate value shown in the Jerol calculation program.
Attitude 0	Maximum luminaire wind area: accurate value shown in the Jerol calculation program.
Terrain Category II; Topography Factor = 1	

Structural values obtained by calculation using section properties derived from full scale testing	
Traffic sign allowed for in design	Area 0.30 m ² ; offset 300 mm; height to centre 2.5 m
Note: 0 bracket is post top; double post top allows for two luminaires back to back, or an equivalent large	
Performance under vehicle impact (passive safety)	100:NE:2 and 70:LE:3 No deformation to roof of crash test vehicle

Part B Foundation Data	
Foundation type:	Planted in Jerol pre-cast concrete foundation type RBJ-5 / UKB-6C
Planting depth	1500 mm
Diameter of pre-cast concrete foundation	424 mm
Diameter of in-situ concrete surround (if any)	Not required for any soil classification factor G (BD94/07)

Part C Bracket Data	
Post top column	
Luminaire connection	Ø 60 mm x 150 mm length
Post top vertical tube material	Aluminium tube Ø 60 mm, grade SS 6060-T6
Material design strength	180 N/mm ²
Single and double arm bracket	
Luminaire connection	Ø 60 mm x 150 mm length
Luminaire fixing angle	5° (horizontal is optional)
Bracket material	Aluminium tube Ø 60 mm, grade SS 6060-T6
Material design strength	180 N/mm ²
Resistance to penetration of dust and water	At door opening with door closed: IP 54
Durability, resistance to corrosion	Fiberglass reinforced plastic with polyolefin coating has inherent durability and no additional surface treatments are necessary

Certificate issued by: Jerol Industri AB		
	Rolf Jernström Managing Director	Kjell Lindberg Quality Manager