



0402

Box 62, SE-81522 Tierp
Sweden

Column type: 10m conical with bracket

Identification no: J 6012 / 10

0402-CPD-49 67 01
EN 40-7

Part A General

Nominal height	10 m
Column shaft material	Fiberglass reinforced plastic with polyolefin coating
Material design strength (f_y)	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 106 mm x 106 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	25,5	24,7	23,4	21,7	19,9	20,4	19,9	19,5	19,1	18,7
	Deflection class 3	35,7	34,0	31,8	29,3	26,7	27,6	26,9	26,0	24,9	24,0
Luminaire area 0.16m ² Including Shape Coefficient, c	Luminaire weight 13 kg										
	Deflection class 2	23,4	22,5	21,2	19,6	18,0	18,5	18,2	18,0	17,7	17,3
	Deflection class 3	32,0	30,6	28,6	26,3	23,9	24,9	24,4	23,6	22,8	22,0

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
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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