



0402

Box 62, SE-81522 Tierp
Sweden

Column type: 8m conical with bracket

Identification no: J 6011 / 08

0402-CPD-49 67 01

EN 40-7

Part A General

Nominal height	8 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 90 mm x 90 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	32,0	30,6	28,4	25,7	22,9	25,0	24,5	23,9	23,4	22,8
	Deflection class 3	37,8	35,6	33,3	31,2	29,3	29,7	28,4	27,2	26,1	25,2
Luminaire area 0,16m ² Including Shape Coefficient, c	Luminaire weight 13 kg										
	Deflection class 2	29,0	27,6	25,3	22,7	20,3	22,4	22,1	21,7	21,3	20,8
	Deflection class 3	33,9	31,8	29,8	28,0	26,3	26,7	25,7	24,7	23,9	23,1

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 m²; 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