## EXEL FRANGIBLE APPROACH LIGHTING MASTS



Exel Approach Lighting support structures consist of poles for single lights and lattice masts for multiple lights. The lights can be installed from 25 cm at the lowest to 50 meters + at the highest. The standard colours for both poles and masts are aviation yellow and aviation orange, other colours are manufactured upon request.





- Fixed base hinge
- Base plate with removable hinge tool
- Center hinge
- · Counter balanced steel mast
- · Removable tilting tool for winch



Exel masts can be easily adapted to perform in a variety of support tasks



Exel extra tall masts assembly





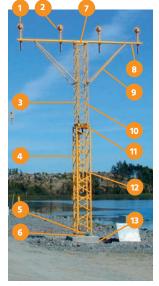
## **COMPLIANCE** WITH STANDARDS:

ICAO: Annex 14, para 5.3.1.4 Aerodrome Design Manual Part 6 FAA: AC 150/5345-45 C

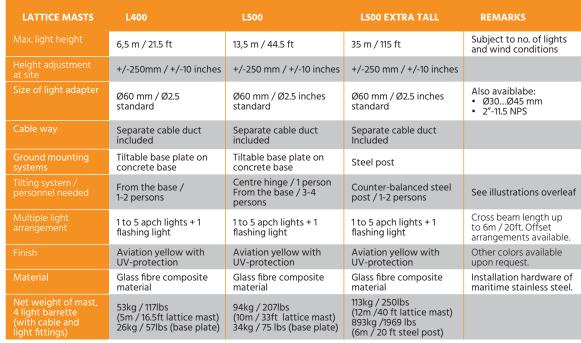
POLES	D5I	D86L	D106L	REMARKS
Max. light height	1,6 m / 5.25 ft	2,6 m / 8.5 ft	5,5 m / 18 ft	Subject to wind conditions
Height adjustment at site	+/-200mm / +/-10 inches	+/-250mm / +/-10 inches	+/-250 mm / +/-10 inches	
Size of light adapter	Ø60 mm / Ø2.5 standard	Ø60 mm / Ø2.5 inches standard	Ø60 mm / Ø2.5 inches standard	Also avaiblabe: • Ø30Ø45mm • 2"-11.5 NPS
Cable way	Runs inside	Runs inside	Runs inside	Frangible coupling is not needed and must not be used
Mounting systems	Fixed base plate on cancrete base	Fixed base plate on concrete base	Hinged base plate on concrete base	
Other installation methods	<ul> <li>Base plate with R2" 11BSP thread</li> <li>Transformer housing with R2"-11BSP thread</li> </ul>			
Finish	Aviation yellow with UV-protection	Aviation yellow with UV-protection	Aviation yellow with UV-protection	Other colors available upon request
Material	Glass fibre composite material	Glass fibre composite material	Glass fibre composite material	Sleeves of anodised aluminium
Net weight of pole (with cable and light fitting)	5,3kg / 12 lbs (1,5m / 5.0 ft pole with base plate)	6,7kg / 15 lbs (2,0m / 6.5 ft pole with base plate)	18,1kg / 40 lbs (4,0m / 13.25 ft pole with base plate)	

## **ORDERING DATA POLES:**

- Light height from top of foundation to centre of luminaire
- Make and model of luminaire
- Size of light adapter if different from standard Ø60mm / Ø2.5 inches



- Luminare
- 2. Adj. tube & clamp
- 3. Mast module L400 Mast module L500 4.
- Base Frame 5.
- **Foundation Bolts** 6.
- 7. Top rame
- 8. Cross Beam 9. Strut Arm pair
- Diagonal Beam Joint element 10
- 11.
- 12. Leg Beam
- 13. Concrete Foundation



## **ORDERING DATA LATTICE MASTS:**

- Light height from top of foundation to centre of luminaire, model Number of luminaires and spacing between lights
- Make and model of luminaire
- Size of light adapter if different from standard  $\emptyset$ 60 mm /  $\emptyset$ 2.5 inches

