



TF 500E T Series

Turnable heavy-duty mast lighting systems

Teklite TF 500E T lighting system with turnable air-operated telescopic mast, keyed mast sections and internal spiral cable.

The Teklite TF 500E T mast series is especially designed for directional lighting and is also perfectly suited for various antenna and camera applications. Ideal for fitting to medium size or heavy vehicles.



MOBILE LIGHTING SYSTEMS

Mast specifications

Technical details

1 Mast top assembly with 4 x PG13,5 cable gland fitted to keyed mast sections

2 Standard natural clear anodised seamless drawn aluminium mast sections with Ø 5" (127 mm) base tube and mast rotation handle

3 360° turnable cardan mast base with air connection, overpressure/ drain valve and rotation brake

4 Standard pre-mounted and connected warning switch

5 Mast top shroud to protect the keyed mast sections

6 Power supply cable (5 metres) with numbered wires for lamp/beacon connection
Internal cable : 9 x 1.5 + 4 x 0.75mm²

TF 500E T Series mast models (Class II approved)

Model	Cat. No.	Retracted height	Extended height	Max. headload (120 km/h) Weight / Wind surface	Weight of mast
5 SECTION MASTS*					
TF 540E T/5	33331	1275 mm	4000 mm	55 kg / 0,90 m ²	25,9 kg
TF 545E T/5	33332	1440 mm	4600 mm	55 kg / 0,80 m ²	28,0 kg
TF 553E T/5	33333	1670 mm	5315 mm	55 kg / 0,70 m ²	30,0 kg
TF 560E T/5	33334	1760 mm	6000 mm	55 kg / 0,60 m ²	33,0 kg
TF 567E T/5	33335	1930 mm	6700 mm	55 kg / 0,50 m ²	35,3 kg
TF 570E T/5	33336	1990 mm	7000 mm	55 kg / 0,40 m ²	36,2 kg
TF 575E T/5	33337	2100 mm	7500 mm	55 kg / 0,40 m ²	37,8 kg
TF 590E T/5	33339	2500 mm	9000 mm	50 kg / 0,30 m ²	43,1 kg
6 SECTION MASTS					
TF 545E T/6	33340	1290 mm	4500 mm	40 kg / 0,80 m ²	27,3 kg
TF 550E T/6	33341	1400 mm	5000 mm	40 kg / 0,60 m ²	28,8 kg
TF 553E T/6	33342	1460 mm	5305 mm	40 kg / 0,60 m ²	29,6 kg
TF 560E T/6	33343	1600 mm	6000 mm	40 kg / 0,50 m ²	32,7 kg
TF 570E T/6	33345	1835 mm	6970 mm	40 kg / 0,40 m ²	35,6 kg

* All 5 section masts can be equipped with a data cable (Cat 5E/micro coax), suitable for video & audio applications.

Mast mounting

These mast fittings are available for mounting the mast inside or outside the body of the vehicle.

External mounting



Upper Mounting Bracket

Cat. No. 53089-SG



Lower Mounting Bracket

Cat. No. 53087

Internal mounting



Roof Bearing

Cat. No. 14191-SG

Lamp choice

Various lamp units available on request

Model 4 x 100 Watt LED, 110-230V AC, 84.000 Lumen
Cat. No. 52609-5



Model 5 x 500 Watt Halogen, 230V AC, 47.000 Lumen
Cat. No. 26880-5



Air supply for mast extension

The air pressure for mast extension may be provided by a battery powered compressor or from the vehicle air pressure system.

Using the vehicle battery power



“TekAir” Compressor Model 40/50

IMPORTANT NOTE :

All our compressors are supplied with a NO (normal open) valve. They need permanent current during operation of the mast lighting system. However, when there are applications where there is no permanent current available (e.g. mast fitted to a standalone container), apply for a compressor with a NC valve.



Remote Control for “TekAir” Compressor Model 40/50

The complete remote control set is delivered with 5 metre cable and connection plug.

Models with NO Valve

“TekAir” Compressor Model 40/50, 12 volt Cat. No. 33640

“TekAir” Compressor Model 40/50, 24 volt Cat. No. 33642

Models with NO Valve and Deadman Function

“TekAir” Compressor Model 40/50, 12 volt Cat. No. 33641

“TekAir” Compressor Model 40/50, 24 volt Cat. No. 33643

Models

Model 12 volt Cat. No. 25798

Model 24 volt Cat. No. 25799

Models with Deadman Function

Model 12 volt Cat. No. 25220

Model 24 volt Cat. No. 25221

Using the vehicle air pressure system



Air Pressure Control Unit

Combined unit consisting of manometer, pressure regulator and control handle.

Models

AP Control Unit Cat. No. 25218

AP Control Unit with Deadman Function Cat. No. 25219

Note : For more air supply options see the TekAir leaflet.



All details given in this publication are approximate and may be subject to change without notice.

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