

# Teklite™

## TF 500E NT Series

*Non-turnable  
heavy-duty  
mast lighting  
systems*

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


The Teklite TF 500E NT mast series is especially designed for 360° all-round 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




**4** Standard pre-mounted and connected warning switch




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




**5** Mast top shroud to protect the keyed mast sections



**3** Fixed cardan mast base with air connection and overpressure/drain valve



**6** Power supply cable (5 metres) with numbered wires for lamp/beacon connection  
Internal cable : 9 x 1.5 + 4 x 0.75mm<sup>2</sup>



## TF 500E NT Series mast models (Class II approved)

Model	Cat. No.	Retracted height	Extended height	Max. headload (120 km/h) Weight / Wind surface	Weight of mast
<b>5 SECTION MASTS*</b>					
TF 540E NT/5	33301	1275 mm	4000 mm	55 kg / 0,90 m <sup>2</sup>	23,8 kg
TF 545E NT/5	33302	1440 mm	4600 mm	55 kg / 0,80 m <sup>2</sup>	26,0 kg
TF 553E NT/5	33303	1670 mm	5315 mm	55 kg / 0,70 m <sup>2</sup>	27,9 kg
TF 560E NT/5	33304	1760 mm	6000 mm	55 kg / 0,60 m <sup>2</sup>	30,4 kg
TF 567E NT/5	33305	1930 mm	6700 mm	55 kg / 0,50 m <sup>2</sup>	33,2 kg
TF 570E NT/5	33306	1990 mm	7000 mm	55 kg / 0,40 m <sup>2</sup>	34,1 kg
TF 575E NT/5	33307	2100 mm	7500 mm	55 kg / 0,40 m <sup>2</sup>	35,7 kg
TF 590E NT/5	33309	2500 mm	9000 mm	50 kg / 0,30 m <sup>2</sup>	41,1 kg
<b>6 SECTION MASTS</b>					
TF 545E NT/6	33310	1290 mm	4500 mm	40 kg / 0,80 m <sup>2</sup>	25,0 kg
TF 550E NT/6	33311	1400 mm	5000 mm	40 kg / 0,60 m <sup>2</sup>	26,7 kg
TF 553E NT/6	33312	1460 mm	5305 mm	40 kg / 0,60 m <sup>2</sup>	27,6 kg
TF 560E NT/6	33313	1600 mm	6000 mm	40 kg / 0,50 m <sup>2</sup>	30,3 kg
TF 570E NT/6	33315	1835 mm	6970 mm	40 kg / 0,40 m <sup>2</sup>	33,6 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. 27625-SG

# Lamp choice

*Various lamp units available on request*

Model 4 x 300 Watt LED, 110-230V AC, 180.000 Lumen  
Cat. No. 52989



Model 6 x 100 Watt LED, 24V DC, 126.000 Lumen  
Cat. No. 52652





# 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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