



TF 400E T Series

Turnable heavy-duty mast lighting systems

Teklite TF 400E T lighting system with turnable air-operated telescopic mast, keyed mast sections, internal spiral cable and lamps either 12/24 volt powered by the vehicle battery or 110/230 volt generator powered.




The Teklite TF 400E 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 4 1/2" (114,3 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 400E 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
4 SECTION MASTS*					
TF 428E T/4	53002	1155 mm	2795 mm	55 kg / 1,00 m ²	19,8 kg
TF 432E T/4	25835	1230 mm	3140 mm	55 kg / 1,00 m ²	20,5 kg
TF 440E T/4	25836	1480 mm	4050 mm	55 kg / 0,80 m ²	23,0 kg
TF 445E T/4	25837	1660 mm	4700 mm	55 kg / 0,70 m ²	25,0 kg
TF 453E T/4	25838	1830 mm	5395 mm	55 kg / 0,60 m ²	27,6 kg
TF 460E T/4	25839	2030 mm	6000 mm	55 kg / 0,50 m ²	29,6 kg
5 SECTION MASTS					
TF 432E T/5	25778	1025 mm	3100 mm	40 kg / 1,00 m ²	20,0 kg
TF 440E T/5	25779	1275 mm	4000 mm	40 kg / 0,80 m ²	22,7 kg
TF 445E T/5	25780	1445 mm	4600 mm	40 kg / 0,70 m ²	24,6 kg
TF 450E T/5	25787	1500 mm	5000 mm	40 kg / 0,60 m ²	25,7 kg
TF 453E T/5	25781	1670 mm	5300 mm	40 kg / 0,50 m ²	26,3 kg
TF 458E T/5	25782	1750 mm	5800 mm	40 kg / 0,45 m ²	28,8 kg
TF 460E T/5	25783	1820 mm	5950 mm	40 kg / 0,40 m ²	29,2 kg
TF 467E T/5	25785	1930 mm	6700 mm	40 kg / 0,40 m ²	31,0 kg
TF 470E T/5	25784	2000 mm	7025 mm	40 kg / 0,40 m ²	32,0 kg

* All 4 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. 50329-SG



Lower Mounting Bracket

Cat. No. 50554

Internal mounting



Roof Bearing

Cat. No. 14048-SG

Lamp choice

Double lamp unit, 2 lamps mounted above the bar *

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
26498	2 x 750 Watt Halogen *	230V AC	33.750	7,9 kg	0,17 m ²
26500	2 x 1000 Watt Halogen *	230V AC	44.000	7,9 kg	0,17 m ²
26505	2 x 1500 Watt Halogen *	230V AC	66.000	9,0 kg	0,20 m ²
52647-4	2 x 100 Watt LED	24V DC	42.000	8,3 kg	0,14 m ²
51971-4	2 x 100 Watt LED	110-230V AC	42.000	10,4 kg	0,14 m ²
53003-4	2 x 300 Watt LED	110-230V AC	90.000	14,9 kg	0,17 m ²



Double lamp unit, 2 lamps mounted below the bar *

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
26593	2 x 750 Watt Halogen *	230V AC	33.750	7,9 kg	0,17 m ²
26595	2 x 1000 Watt Halogen *	230V AC	44.000	7,9 kg	0,17 m ²
26600	2 x 1500 Watt Halogen *	230V AC	66.000	9,0 kg	0,20 m ²
52346-4	2 x 100 Watt LED	24V DC	42.000	8,3 kg	0,14 m ²
52648-4	2 x 100 Watt LED	110-230V AC	42.000	10,4 kg	0,14 m ²
53004-4	2 x 300 Watt LED	110-230V AC	90.000	15,0 kg	0,17 m ²



Triple lamp unit, 1 lamp mounted above and 2 lamps below the bar

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
26675	3 x 500 Watt Halogen *	230V AC	28.500	6,4 kg	0,11 m ²
26678	3 x 750 Watt Halogen *	230V AC	49.500	11,2 kg	0,24 m ²
26680	3 x 1000 Watt Halogen *	230V AC	66.000	11,2 kg	0,24 m ²
26685	3 x 1500 Watt Halogen *	230V AC	108.000	12,9 kg	0,29 m ²
52675-4	3 x 100 Watt LED	24V DC	37.500	7,1 kg	0,08 m ²
52649-4	3 x 100 Watt LED	24V DC	63.000	11,3 kg	0,20 m ²
52650-4	3 x 100 Watt LED	110-230V AC	63.000	14,5 kg	0,20 m ²
53005-4	3 x 300 Watt LED	110-230V AC	135.000	20,1 kg	0,24 m ²



Triple lamp unit, 3 lamps mounted above the bar

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
26755	3 x 500 Watt Halogen *	230V AC	28.500	6,6 kg	0,12 m ²
26758	3 x 1000 Watt Halogen *	230V AC	49.500	11,4 kg	0,24 m ²
26760	3 x 1500 Watt Halogen *	230V AC	66.000	11,4 kg	0,24 m ²
52676-4	3 x 100 Watt LED	24V DC	37.500	7,3 kg	0,08 m ²

Quadruple lamp unit, 2 lamps mounted above and 2 lamps below the bar *

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
26820	4 x 500 Watt Halogen *	230V AC	38.000	7,9 kg	0,14 m ²
26823	4 x 750 Watt Halogen *	230V AC	66.000	14,0 kg	0,31 m ²
26825	4 x 1000 Watt Halogen *	230V AC	88.000	14,0 kg	0,31 m ²
26830	4 x 1500 Watt Halogen *	230V AC	144.000	16,4 kg	0,38 m ²
52677-4	4 x 100 Watt LED	24V DC	50.000	8,9 kg	0,10 m ²
52655-4	4 x 100 Watt LED	24V DC	84.000	14,3 kg	0,25 m ²
52609-4	4 x 100 Watt LED	110-230V AC	84.000	19,0 kg	0,25 m ²
53006-4	4 x 300 Watt LED	110-230V AC	180.000	27,1 kg	0,31 m ²



Quintuple lamp unit, 3 lamps mounted above and 2 lamps below the bar

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
26880	5 x 500 Watt Halogen *	230V AC	47.500	9,3 kg	0,17 m ²
26883	5 x 750 Watt Halogen *	230V AC	82.500	17,1 kg	0,38 m ²
26885	5 x 1000 Watt Halogen *	230V AC	110.000	17,1 kg	0,38 m ²
52656-4	5 x 50 Watt LED	12-24V DC	42.500	10,4 kg	0,17 m ²
52657-4	5 x 50 Watt LED	110-230V AC	42.500	14,0 kg	0,17 m ²
52678-4	5 x 100 Watt LED	24V DC	62.500	10,6 kg	0,12 m ²



Other lamp units available on request.

* Lamp unit available with beacon & bracket (option).

Put a "B" after the lamp unit cat. no. for ordering purposes.

* Lamp unit available with lamp protection guard (option).

Put a "P" after the lamp unit cat. no. for ordering purposes. Also available in 110V AC version.

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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ISO 9001 CE

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