Teklite™

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 series of mast lighting systems are especially designed for directional lighting applications with thousands of references over the whole world. Ideal for fitting to medium size or heavy fire vehicles.

MOBILE, PORTABLE & EMERGENCY LIGHTING

Mast specifications

Technical details

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

Standard natural clear anodised seamless drawn aluminium mast sections with 114 mm base tube and mast rotation handle

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

Standard pre-mounted and connected warning switch

Mast top shroud to protect the keyed mast sections

Power supply cable (5 metres) with numbered wires for lamp/beacon connection

TF 400E T Series mast models (Class II approved)

Model	Cat. No.	Retracted height	Extended height	Internal cable	Weight of mast
4 SECTION MASTS *					
TF 432E T/4	25835	1230 mm	3140 mm	9 x 1.5 + 4 x 0.75 mm²	21,0 kg
TF 440E T/4	25836	1480 mm	4050 mm	9 x 1.5 + 4 x 0.75 mm²	23,5 kg
TF 445E T/4	25837	1660 mm	4700 mm	9 x 1.5 + 4 x 0.75 mm²	25,5 kg
TF 453E T/4	25838	1830 mm	5395 mm	9 x 1.5 + 4 x 0.75 mm²	29,0 kg
TF 460E T/4	25839	2030 mm	6000 mm	9 x 1.5 + 4 x 0.75 mm²	31,0 kg
5 SECTION MASTS					
TF 432E T/5	25778	1025 mm	3100 mm	9 x 1.5 + 4 x 0.75 mm²	22,0 kg
TF 440E T/5	25779	1275 mm	4000 mm	9 x 1.5 + 4 x 0.75 mm²	24,0 kg
TF 445E T/5	25780	1445 mm	4600 mm	9 x 1.5 + 4 x 0.75 mm²	26,0 kg
TF 453E T/5	25781	1670 mm	5300 mm	9 x 1.5 + 4 x 0.75 mm²	30,0 kg
TF 460E T/5	25782	1820 mm	5950 mm	9 x 1.5 + 4 x 0.75 mm²	32,0 kg
TF 470E T/5	25784	2000 mm	7000 mm	9 x 1.5 + 4 x 0.75 mm²	33,0 kg

* All 4 section masts can be equipped with a S-STP/micro coax cable, 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. 14049/SG

Lower Mounting Bracket
Cat. No. 14050/SG

Internal mounting

Roof Bearing
Cat. No. 14048/SG

Lamp choice

* 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.

*Double lamp unit, 2 lamps mounted above the bar **

Cat. No.	Model	Volt	Ampere	Lumens
26435	2 x 70 Watt HP Sodium*	12	12,5	13.000
26440	2 x 70 Watt HP Sodium*	24	7,0	13.000
26445	2 x 70 Watt Metal Halide*	12	13,0	10.000
26450	2 x 70 Watt Metal Halide*	24	7,4	10.000
26455	1 x 70 Watt HP Sodium + 1 x 70 Watt Metal Halide*	12	12,8	11.500
26460	1 x 70 Watt HP Sodium + 1 x 70 Watt Metal Halide*	24	7,2	11.500
26465	2 x 35 Watt Xenon	12	5,9	7.000
26470	2 x 35 Watt Xenon	24	3,0	7.000
26475	2 x 100 Watt Xenophot*	12	16,7	7.200
26485	2 x 150 Watt Xenophot*	24	12,5	12.000
26480	2 x 200 Watt Xenophot*	12	33,4	14.400
26490	2 x 300 Watt Xenophot*	24	25,0	24.000
26495	2 x 500 Watt Halogen*	230	4,4	19.000
26498	2 x 750 Watt Halogen*	230	6,5	33.000
26500	2 x 1000 Watt Halogen*	230	8,7	44.000
26505	2 x 1500 Watt Halogen*	230	13,0	72.000
26510	2 x 250 Watt HP Sodium	24	23,0	54.000
26515	2 x 400 Watt HP Sodium*	230	9,0	110.000
26520	2 x 400 Watt Metal Halide*	230	9,0	66.000
26525	1 x 400 Watt HP Sodium + 1 x 400 Watt Metal Halide*	230	9,0	88.000
35851	2 x 55 Watt SMD-LED*	12	10,6	11.000
35856	2 x 55 Watt SMD-LED*	24	4,8	11.000

*Double lamp unit, 2 lamps mounted below the bar **

Cat. No.	Model	Volt	Ampere	Lumens
26530	2 x 70 Watt HP Sodium*	12	12,5	13.000
26535	2 x 70 Watt HP Sodium*	24	7,0	13.000
26540	2 x 70 Watt Metal Halide*	12	13,0	10.000
26545	2 x 70 Watt Metal Halide*	24	7,4	10.000
26550	1 x 70 Watt HP Sodium + 1 x 70 Watt Metal Halide*	12	12,8	11.500
26555	1 x 70 Watt HP Sodium + 1 x 70 Watt Metal Halide*	24	7,2	11.500
26560	2 x 35 Watt Xenon	12	5,9	7.000
26565	2 x 35 Watt Xenon	24	3,0	7.000
26570	2 x 100 Watt Xenophot*	12	16,7	7.200
26580	2 x 150 Watt Xenophot*	24	12,5	12.000
26575	2 x 200 Watt Xenophot*	12	33,4	14.400
26585	2 x 300 Watt Xenophot*	24	25,0	24.000
26590	2 x 500 Watt Halogen*	230	4,4	19.000
26593	2 x 750 Watt Halogen*	230	6,5	33.000
26595	2 x 1000 Watt Halogen*	230	8,7	44.000
26600	2 x 1500 Watt Halogen*	230	13,0	72.000
26605	2 x 250 Watt HP Sodium	24	23,0	54.000
26610	2 x 400 Watt HP Sodium*	230	9,0	110.000
26615	2 x 400 Watt Metal Halide*	230	9,0	66.000
26620	1 x 400 Watt HP Sodium + 1 x 400 Watt Metal Halide*	230	9,0	88.000
35861	2 x 55 Watt SMD-LED*	12	10,6	11.000
35866	2 x 55 Watt SMD-LED*	24	4,8	11.000

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

Cat. No.	Model	Volt	Ampere	Lumens
26625	3 x 70 Watt HP Sodium*	12	18,8	19.500
26630	3 x 70 Watt HP Sodium*	24	10,5	19.500
26635	3 x 70 Watt Metal Halide*	12	19,5	15.000
26640	3 x 70 Watt Metal Halide*	24	11,1	15.000
26645	3 x 35 Watt Xenon	12	8,8	10.500
26650	3 x 35 Watt Xenon	24	4,4	10.500
26655	3 x 100 Watt Xenophot*	12	25,0	10.800
26665	3 x 150 Watt Xenophot*	24	18,8	18.000
26660	3 x 200 Watt Xenophot*	12	50,0	21.600
26670	3 x 300 Watt Xenophot*	24	37,5	36.000
26675	3 x 500 Watt Halogen*	230	6,5	28.500
26678	3 x 750 Watt Halogen*	230	9,8	49.500
26680	3 x 1000 Watt Halogen*	230	13,0	66.000
26685	3 x 1500 Watt Halogen*	230	19,6	108.000
26690	3 x 250 Watt HP Sodium	24	34,5	81.000
26695	3 x 400 Watt HP Sodium*	230	13,5	165.000
26700	3 x 400 Watt Metal Halide*	230	13,5	99.000
35871	3 x 55 Watt SMD-LED*	12	15,9	16.500
35876	3 x 55 Watt SMD-LED*	24	7,2	16.500

A lot of lamp unit combinations are possible, some of them are shown below.

Model 2 x 400 Watt HP Sodium*

Model 2 x 1500 Watt Halogen**

Model 2 x 70 Watt HP Sodium*

Model 2 x 35 Watt Xenon*

Model 3 x 300 Watt Xenophot*

Model 3 x 250 Watt HP Sodium

* 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.

Triple lamp unit, 3 lamps mounted above the bar

Cat. No.	Model	Volt	Ampere	Lumens
26705	3 x 70 Watt HP Sodium*	12	18,8	19.500
26710	3 x 70 Watt HP Sodium*	24	10,5	19.500
26715	3 x 70 Watt Metal Halide*	12	19,5	15.000
26720	3 x 70 Watt Metal Halide*	24	11,1	15.000
26725	3 x 35 Watt Xenon	12	8,8	10.500
26730	3 x 35 Watt Xenon	24	4,4	10.500
26735	3 x 100 Watt Xenophot*	12	25,0	10.800
26745	3 x 150 Watt Xenophot*	24	18,8	18.000
26740	3 x 200 Watt Xenophot*	12	50,0	21.600
26750	3 x 300 Watt Xenophot*	24	37,5	36.000
26755	3 x 500 Watt Halogen*	230	6,5	28.500
26758	3 x 750 Watt Halogen*	230	9,8	49.500
26760	3 x 1000 Watt Halogen*	230	13,0	66.000
35881	3 x 55 Watt SMD-LED*	12	15,9	16.500
35886	3 x 55 Watt SMD-LED*	24	7,2	16.500

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

Cat. No.	Model	Volt	Ampere	Lumens
26765	4 x 70 Watt HP Sodium*	12	25,0	26.000
26770	4 x 70 Watt HP Sodium*	24	14,0	26.000
26775	4 x 70 Watt Metal Halide*	12	26,0	20.000
26780	4 x 70 Watt Metal Halide*	24	14,8	20.000
26785	2 x 70 Watt HP Sodium + 2 x 70 Watt Metal Halide*	12	25,6	23.000
26790	2 x 70 Watt HP Sodium + 2 x 70 Watt Metal Halide*	24	14,4	23.000
26795	4 x 35 Watt Xenon + DC-DC Power Converter	12	11,7	14.000
26800	4 x 35 Watt Xenon	24	5,9	14.000
26805	4 x 100 Watt Xenophot*	12	33,4	14.400
26810	4 x 150 Watt Xenophot*	24	25,0	24.000
26815	4 x 300 Watt Xenophot*	24	50,0	48.000
26820	4 x 500 Watt Halogen*	230	8,7	38.000
26823	4 x 750 Watt Halogen*	230	13,0	66.000
26825	4 x 1000 Watt Halogen*	230	17,4	88.000
26830	4 x 1500 Watt Halogen*	230	26,2	144.000
26835	4 x 250 Watt HP Sodium	24	46,0	108.000
26840	4 x 400 Watt HP Sodium*	230	18,0	220.000
26845	4 x 400 Watt HP Metal Halide*	230	18,0	132.000
26850	2 x 400 Watt HP Sodium + 2 x 400 Watt Metal Halide*	230	18,0	176.000
35891	4 x 55 Watt SMD-LED*	12	21,2	22.000
35896	4 x 55 Watt SMD-LED*	24	9,6	22.000

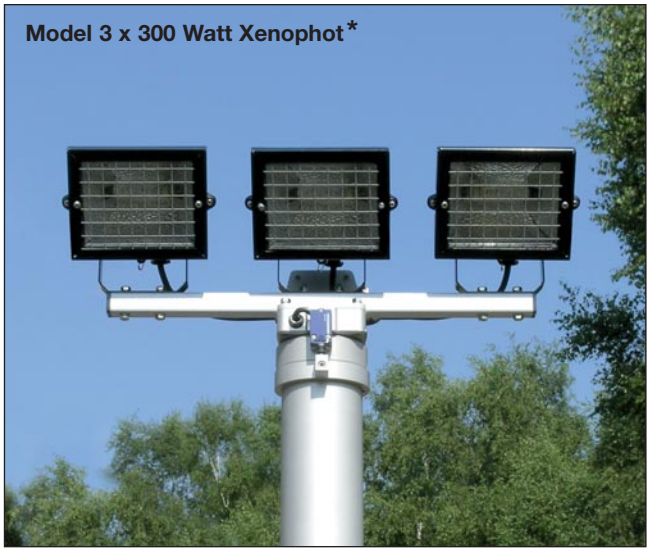
Quintuple lamp unit, 3 lamps mounted above and 2 below the bar

Cat. No.	Model	Volt	Ampere	Lumens
26855	5 x 70 Watt HP Sodium*	24	17,5	32.500
26860	5 x 70 Watt Metal Halide*	24	18,5	25.000
26865	5 x 35 Watt Xenon	24	7,3	17.500
26870	5 x 100 Watt Xenophot*	12	41,7	18.000
26875	5 x 150 Watt Xenophot*	24	31,3	30.000
26880	5 x 500 Watt Halogen*	230	10,8	47.500
26883	5 x 750 Watt Halogen*	230	16,3	82.500
26885	5 x 1000 Watt Halogen*	230	21,8	110.000
35901	5 x 55 Watt SMD-LED*	12	26,5	27.500
35906	5 x 55 Watt SMD-LED*	24	12,0	27.500

A lot of lamp unit combinations are possible, some of them are shown below.

Model 3 x 70 Watt HP Sodium

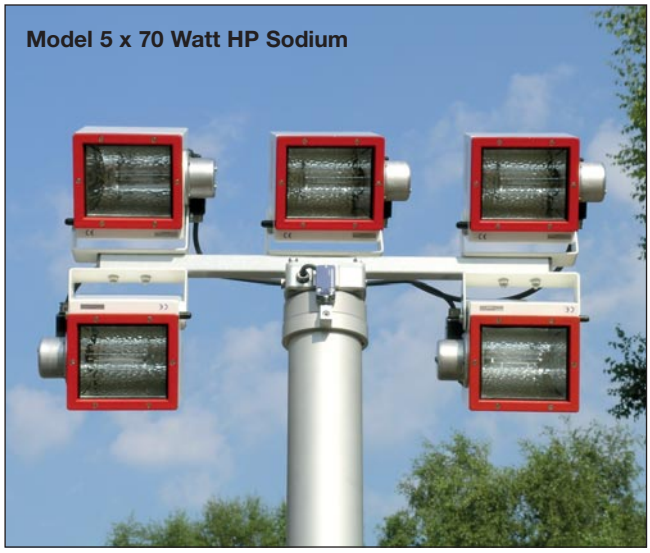
Model 3 x 300 Watt Xenophot*



Model 4 x 35 Watt Xenon*

Model 4 x 1500 Watt Halogen**

Model 5 x 70 Watt HP Sodium



Model 5 x 1000 Watt Halogen*

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.

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

Remote Control for "TekAir" Compressor Model 40/50

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

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

Teklite™

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

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