Teklite™

TF 400E NT Series

Non-turnable heavy-duty mast lighting systems

Teklite TF 400E NT lighting system with non-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 NT series of mast lighting systems are especially designed for 360° all-round lighting applications with thousands of references over the whole world. Ideal for fitting to medium size or heavy 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

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

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 NT Series mast models (Class II approved)

Model	Cat. No.	Retracted height	Extended height	Internal cable	Weight of mast
4 SECTION MASTS *					
TF 432E NT/4	25830	1230 mm	3140 mm	9 x 1.5 + 4 x 0.75 mm²	19,0 kg
TF 440E NT/4	25831	1480 mm	4050 mm	9 x 1.5 + 4 x 0.75 mm²	21,5 kg
TF 445E NT/4	25832	1660 mm	4700 mm	9 x 1.5 + 4 x 0.75 mm²	23,5 kg
TF 453E NT/4	25833	1830 mm	5395 mm	9 x 1.5 + 4 x 0.75 mm²	27,0 kg
TF 460E NT/4	25834	2030 mm	6000 mm	9 x 1.5 + 4 x 0.75 mm²	29,0 kg
5 SECTION MASTS					
TF 432E NT/5	25768	1025 mm	3100 mm	9 x 1.5 + 4 x 0.75 mm²	20,0 kg
TF 440E NT/5	25769	1275 mm	4000 mm	9 x 1.5 + 4 x 0.75 mm²	22,0 kg
TF 445E NT/5	25770	1445 mm	4600 mm	9 x 1.5 + 4 x 0.75 mm²	24,0 kg
TF 453E NT/5	25771	1670 mm	5300 mm	9 x 1.5 + 4 x 0.75 mm²	26,0 kg
TF 460E NT/5	25772	1820 mm	5950 mm	9 x 1.5 + 4 x 0.75 mm²	29,0 kg
TF 470E NT/5	25774	2000 mm	7000 mm	9 x 1.5 + 4 x 0.75 mm²	30,0 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. 27624/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.

*All-round lamp unit, 3 lamps mounted above plate **

Cat. No.	Model	Volt	Ampere	Lumens
26890	3 x 70 Watt HP Sodium*	12	18,8	19.500
26895	3 x 70 Watt HP Sodium*	24	10,5	19.500
26900	3 x 70 Watt Metal Halide*	12	19,5	15.000
26905	3 x 70 Watt Metal Halide*	24	11,1	15.000
26910	3 x 35 Watt Xenon	12	8,8	10.500
26915	3 x 35 Watt Xenon	24	4,4	10.500
26925	3 x 100 Watt Xenophot*	12	25,0	10.800
26940	3 x 150 Watt Xenophot*	24	18,8	18.000
26930	3 x 200 Watt Xenophot*	12	50,0	21.600
26945	3 x 300 Watt Xenophot*	24	37,5	36.000
26950	3 x 500 Watt Halogen*	230	6,5	28.500
26953	3 x 750 Watt Halogen*	230	9,8	49.500
26955	3 x 1000 Watt Halogen*	230	13,0	66.000
26960	3 x 1500 Watt Halogen*	230	19,6	108.000
26965	3 x 250 Watt HP Sodium	24	34,5	81.000
26970	3 x 400 Watt HP Sodium*	230	13,5	165.000
26975	3 x 400 Watt Metal Halide*	230	13,5	99.000
35741	3 x 55 Watt SMD-LED*	12	15,9	16.500
35746	3 x 55 Watt SMD-LED*	24	7,2	16.500

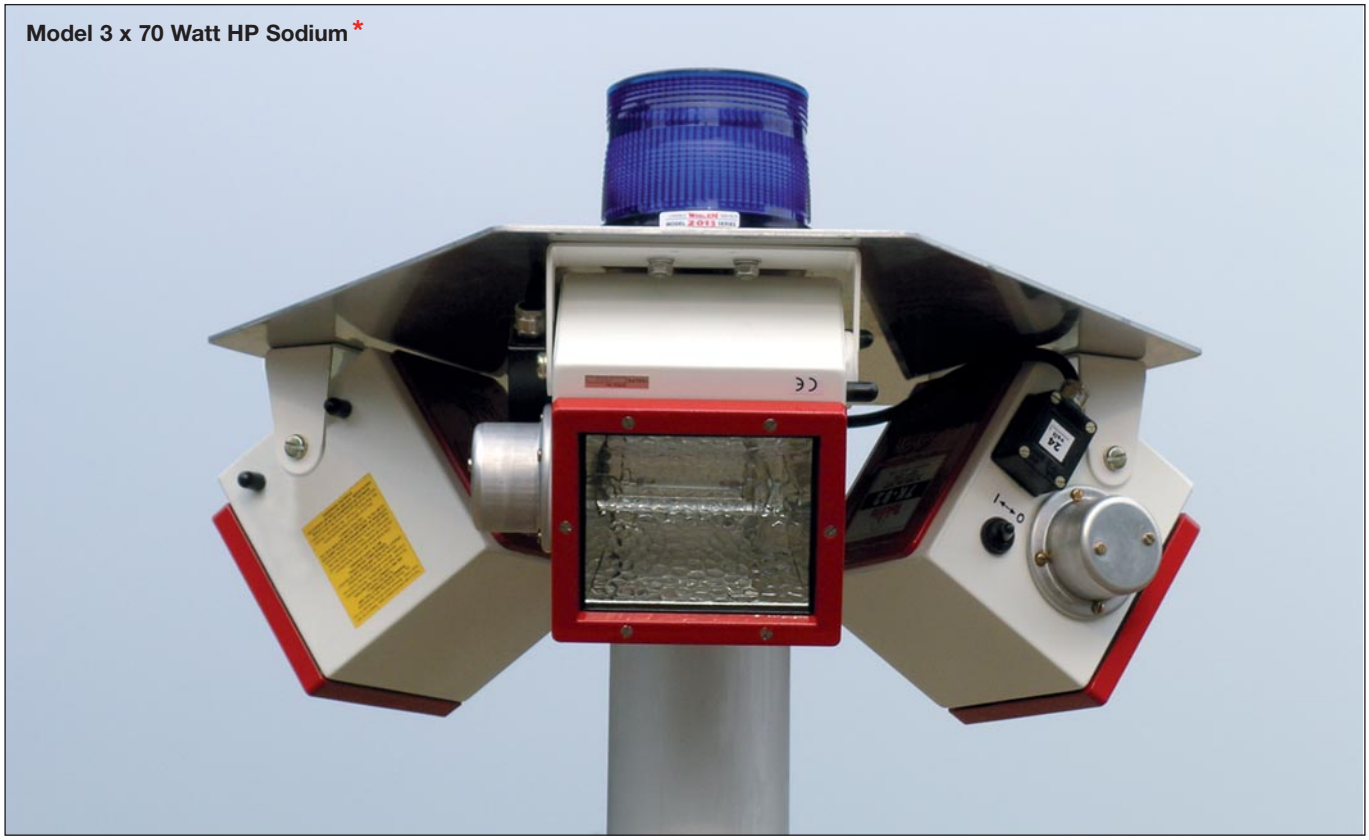
*All-round lamp unit, 3 lamps mounted below plate **

Cat. No.	Model	Volt	Ampere	Lumens
26980	3 x 70 Watt HP Sodium*	12	18,8	19.500
26985	3 x 70 Watt HP Sodium*	24	10,5	19.500
26990	3 x 70 Watt Metal Halide*	12	19,5	15.000
26995	3 x 70 Watt Metal Halide*	24	11,1	15.000
27000	3 x 35 Watt Xenon	12	8,8	10.500
27005	3 x 35 Watt Xenon	24	4,4	10.500
27015	3 x 100 Watt Xenophot*	12	25,0	10.800
27030	3 x 150 Watt Xenophot*	24	18,8	18.000
27020	3 x 200 Watt Xenophot*	12	50,0	21.600
27035	3 x 300 Watt Xenophot*	24	37,5	36.000
27040	3 x 500 Watt Halogen*	230	6,5	28.500
27043	3 x 750 Watt Halogen*	230	9,8	49.500
27045	3 x 1000 Watt Halogen*	230	13,0	66.000
27050	3 x 1500 Watt Halogen*	230	19,6	108.000
27055	3 x 250 Watt HP Sodium	24	34,5	81.000
27060	3 x 400 Watt HP Sodium*	230	13,5	165.000
27065	3 x 400 Watt Metal Halide*	230	13,5	99.000
35751	3 x 55 Watt SMD-LED*	12	15,9	16.500
35756	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 3 x 35 Watt Xenon*

Model 3 x 70 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.

*All-round lamp unit, 4 lamps mounted above plate **

Cat. No.	Model	Volt	Ampere	Lumens
27070	4 x 70 Watt HP Sodium*	12	25,0	26.000
27075	4 x 70 Watt HP Sodium*	24	14,0	26.000
27080	4 x 70 Watt Metal Halide*	12	26,0	20.000
27085	4 x 70 Watt Metal Halide*	24	14,8	20.000
27090	2 x 70 Watt HP Sodium + 2 x 70 Watt Metal Halide*	12	25,6	23.000
27095	2 x 70 Watt HP Sodium + 2 x 70 Watt Metal Halide*	24	14,4	23.000
27100	4 x 35 Watt Xenon + DC-DC Power Converter	12	11,7	14.000
27105	4 x 35 Watt Xenon	24	5,9	14.000
27115	4 x 100 Watt Xenophot*	12	33,4	14.400
27125	4 x 150 Watt Xenophot*	24	25,0	24.000
27130	4 x 300 Watt Xenophot*	24	50,0	48.000
27135	4 x 500 Watt Halogen*	230	8,7	38.000
27138	4 x 750 Watt Halogen*	230	13,0	66.000
27140	4 x 1000 Watt Halogen*	230	17,4	88.000
27145	4 x 1500 Watt Halogen*	230	26,2	144.000
27150	4 x 250 Watt HP Sodium	24	46,0	108.000
27155	4 x 400 Watt HP Sodium*	230	18,0	220.000
27160	4 x 400 Watt Metal Halide*	230	18,0	132.000
27165	2 x 400 Watt HP Sodium + 2 x 400 Watt Metal Halide*	230	18,0	176.000
35761	4 x 55 Watt SMD-LED*	12	21,2	22.000
35766	4 x 55 Watt SMD-LED*	24	9,6	22.000

*All-round lamp unit, 4 lamps mounted below plate **

Cat. No.	Model	Volt	Ampere	Lumens
27170	4 x 70 Watt HP Sodium*	12	25,0	26.000
27175	4 x 70 Watt HP Sodium*	24	14,0	26.000
27180	4 x 70 Watt Metal Halide*	12	26,0	20.000
27185	4 x 70 Watt Metal Halide*	24	14,8	20.000
27190	2 x 70 Watt HP Sodium + 2 x 70 Watt Metal Halide*	12	25,6	23.000
27195	2 x 70 Watt HP Sodium + 2 x 70 Watt Metal Halide*	24	14,4	23.000
27200	4 x 35 Watt Xenon + DC-DC Power Converter	12	11,7	14.000
27205	4 x 35 Watt Xenon	24	5,9	14.000
27215	4 x 100 Watt Xenophot*	12	33,4	14.400
27225	4 x 150 Watt Xenophot*	24	25,0	24.000
27230	4 x 300 Watt Xenophot*	24	50,0	48.000
27235	4 x 500 Watt Halogen*	230	8,7	38.000
27238	4 x 750 Watt Halogen*	230	13,0	66.000
27240	4 x 1000 Watt Halogen*	230	17,4	88.000
27245	4 x 1500 Watt Halogen*	230	26,2	144.000
27250	4 x 250 Watt HP Sodium	24	46,0	108.000
27255	4 x 400 Watt HP Sodium*	230	18,0	220.000
27260	4 x 400 Watt Metal Halide*	230	18,0	132.000
27265	2 x 400 Watt HP Sodium + 2 x 400 Watt Metal Halide*	230	18,0	176.000
35771	4 x 55 Watt SMD-LED*	12	21,2	22.000
35776	4 x 55 Watt SMD-LED*	24	9,6	22.000

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

Model 4 x 1500 Watt Halogen**

Model 4 x 300 Watt Xenophot**

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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