



TF 300XE - "GME-Motion" Comfort Light Robot Series

Middle-range mast robot lighting systems



Completely remote controlled lighting system for TF 300XE series of masts.

Light Robot's features

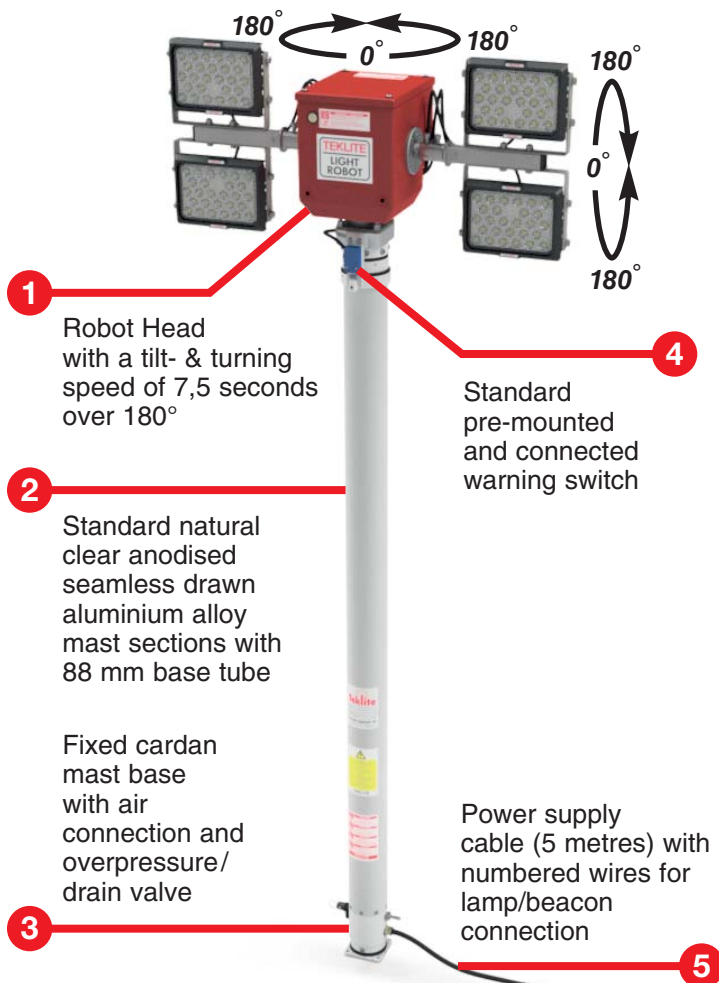
- *Compact construction*
- *Easy to install*
- *Simple to use*
- *Choice of different lamp types*



MOBILE LIGHTING SYSTEMS

Mast specifications

Technical details



Features

- Electric system powered from the 12/24 volt vehicle battery and controlled by cable remote control.
- It is possible to operate the mast robot lighting system with a single or double cable remote control, with or without RF remote control.
- When the operation is over, a simple push of the button “mast down/park” turns the lamps to the stowage position and retracts the mast. This cycle may also be automatically started by the release of the vehicle handbrake.
- Air-operated telescopic mast based on proven TF 300 Series.
- Robot lighting head tilts 180° down and 180° up starting from zero position. The robot head turns also 180° to the left and 180° to the right starting from zero position, at the touch of a button.
- Lamps can be either 12/24 volt or 110/230 volt if there is a generator on board.
- All Mast Robot Lighting Systems are also available with deadman function for the push button “mast up/raise”. Put “DF” after the **control/junction unit cat. no.** for ordering purposes.
- Fire CAN & CAN Open Interfaces available on request.
- The telescopic mast of the mast robot lighting system can be fed either by a TekAir compressor or the air pressure tank of the vehicle.

Cable Remote Control functions



Cable Remote Control-YH

- Unlock button (only on LVG version)
- Extend the mast
- Switch the lighting “on” and “off”, left (lights 1) and right (lights 2)
- Beacon switch
- Turn and tilt the lamps in any direction
- Automatic return to the retracted position

Cable Remote Control-LVG



(Optional)
RF Remote Control Kit

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. 50327-SG



Lower Mounting Bracket

Cat. No. 50553

Internal mounting



Roof Bearing

Cat. No. 27623-SG

Mast models

TF 300XE mast models (Class II approved)

Model	Cat. No.	Retracted height	Extended height	Max. headload (120 km/h) Weight / Wind surface	Weight of mast
3 SECTION MASTS*					
TF 335XE/3	52723	1560 mm	3510 mm	45 kg / 0,40 m ²	12,1 kg
TF 340XE/3	52724	1715 mm	3910 mm	45 kg / 0,35 m ²	13,0 kg
TF 345XE/3	52725	2040 mm	4725 mm	45 kg / 0,25 m ²	14,7 kg
TF 350XE/3	52726	2090 mm	4880 mm	45 kg / 0,25 m ²	14,9 kg
TF 355XE/3	52727	2215 mm	5220 mm	45 kg / 0,20 m ²	15,5 kg
4 SECTION MASTS					
TF 320XE/4	52730	965 mm	2140 mm	35 kg / 0,60 m ²	9,7 kg
TF 335XE/4	52733	1350 mm	3450 mm	35 kg / 0,35 m ²	12,4 kg
TF 340XE/4	52734	1480 mm	3950 mm	35 kg / 0,30 m ²	13,3 kg
TF 346XE/4	52735	1640 mm	4600 mm	35 kg / 0,25 m ²	14,1 kg
TF 350XE/4	52736	1740 mm	4990 mm	35 kg / 0,20 m ²	15,0 kg
TF 355XE/4	52737	1900 mm	5450 mm	35 kg / 0,15 m ²	15,9 kg

* All 3 section masts can be equipped with a data cable (Cat 5E/micro coax), suitable for video & audio applications.

Lamp choice

Set of 2 lamps mounted on Robot Head "GME-Motion"

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
25279	2 x 500 Watt Halogen*	230V AC	19.000	4,5 kg	0,08 m ²
27301	2 x 750 Watt Halogen*	230V AC	33.750	7,6 kg	0,17 m ²
25280	2 x 1000 Watt Halogen*	230V AC	44.000	7,6 kg	0,17 m ²
25860	2 x 1500 Watt Halogen*	230V AC	66.000	9,6 kg	0,20 m ²
53012	2 x 45 Watt LED	12-24V DC	9.600	2,1 kg	0,04 m ²
27292	2 x 50 Watt LED	12-24V DC	13.400	4,0 kg	0,04 m ²
51982	2 x 50 Watt LED	12-24V DC	17.000	5,0 kg	0,08 m ²
52183	2 x 50 Watt LED	110-230V AC	17.000	6,4 kg	0,08 m ²
52671	2 x 100 Watt LED	24V DC	25.000	4,8 kg	0,05 m ²
51787	2 x 100 Watt LED	24V DC	42.000	8,5 kg	0,15 m ²
51788	2 x 100 Watt LED	110-230V AC	42.000	10,8 kg	0,15 m ²
53535	2 x 225 Watt LED	24V DC	50.000	11,2 kg	0,12 m ²

Model 2 x 500 Watt Halogen* (25279)



Set of 4 lamps mounted on Robot Head "GME-Motion"

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
25282	4 x 500 Watt Halogen*	230V AC	38.000	6,9 kg	0,13 m ²
27366	4 x 750 Watt Halogen*	230V AC	67.500	12,5 kg	0,16 m ²
25283	4 x 1000 Watt Halogen*	230V AC	88.000	12,5 kg	0,16 m ²
52703	4 x 30 Watt LED	12-24V DC	12.800	3,0 kg	0,06 m ²
52198	4 x 45 Watt LED	12-24V DC	19.200	3,0 kg	0,06 m ²
27362	4 x 50 Watt LED	12-24V DC	26.800	6,7 kg	0,06 m ²
27363	4 x 50 Watt LED (horizontal)	12-24V DC	26.800	7,8 kg	0,08 m ²
51983	4 x 50 Watt LED	12-24V DC	34.000	8,0 kg	0,13 m ²
52704	4 x 50 Watt LED	110-230V AC	34.000	10,9 kg	0,13 m ²
52672	4 x 100 Watt LED	24V DC	50.000	8,2 kg	0,09 m ²
51789	4 x 100 Watt LED	24V DC	84.000	14,4 kg	0,25 m ²
51790	4 x 100 Watt LED	110-230V AC	84.000	19,0 kg	0,25 m ²
53536	4 x 225 Watt LED	24V DC	100.000	20,4 kg	0,20 m ²

Model 4 x 100 Watt LED (52672)



Set of 6 lamps mounted on Robot Head "GME-Motion"

Cat. No.	Model	Voltage	Lumen	Weight	Wind surface
33435	6 x 500 Watt Halogen*	230V AC	57.000	11,5 kg	0,20 m ²
52705	6 x 30 Watt LED	12-24V DC	19.200	5,3 kg	0,08 m ²
52706	6 x 45 Watt LED	24V DC	28.800	5,3 kg	0,08 m ²
37664	6 x 50 Watt LED	24V DC	40.200	10,4 kg	0,11 m ²
38887	6 x 50 Watt LED (vertical)	24V DC	40.200	11,5 kg	0,11 m ²
33422	6 x 50 Watt LED (horizontal)	24V DC	40.200	11,6 kg	0,13 m ²

Model 6 x 45 Watt LED (52706)



Other lamp units available on request.

* 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.

Beacon Models



Teklite Quadriflash

Model _____ Cat. No. 52262

Available colours:
red, blue, amber and green



LED Beacon

Model _____ Cat. No. 52260

Available colours:
red, blue, amber and green

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

Oil-free piston air compressor,
completely maintenance-free.

Models with NO valve

Model 40/50, 12 volt	Cat. No. 33652
Model 40/50, 24 volt	Cat. No. 33653

Using the vehicle air pressure system



Air Pressure Regulator Unit

Combined unit consisting of valves,
manometer, pressure switch and
pressure regulator.

Models

APR Unit, 12 volt	Cat. No. 25578
APR Unit, 24 volt	Cat. No. 25579



Air Pressure Valve Kit

Kit consisting of loose valves,
manometer and pressure regulator.

Models

APV Kit, 12 volt	Cat. No. 27838
APV Kit, 24 volt	Cat. No. 27839

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

Mast lighting robot with Control/Junction unit & Remote controls



Robot Head “GME-Motion” Comfort

Model _____ Cat. No. 52240-3

Weight: 13,0 kg
Wind surface: 0,05 m²



Control/Junction Unit “GME-Motion”

Model 12/24V _____ Cat. No. 52711



Cable Remote Control-YH

Cat. No. 38682 (Spanish)

Cat. No. 38683 (English)

Cat. No. 38684 (German)

1,5 metre spiral cable + 10 metres linear cable



Cable Remote Control-LVG

Cat. No. 35992

1,25 metre spiral cable + 10 metres linear cable
(Optional up to 6 light buttons)



RF Remote Control Kit

Cat. No. 36002 (Optional)

Kit contents: - RF Remote control
- 230 Volt charger
- 12/24 Volt car charger

(Optional up to 6 light buttons)



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

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