



TF 400XE - "Basic Plus" Light Robot Series

Heavy-duty mast robot lighting systems

Completely remote controlled lighting system
for TF 400XE series of masts.



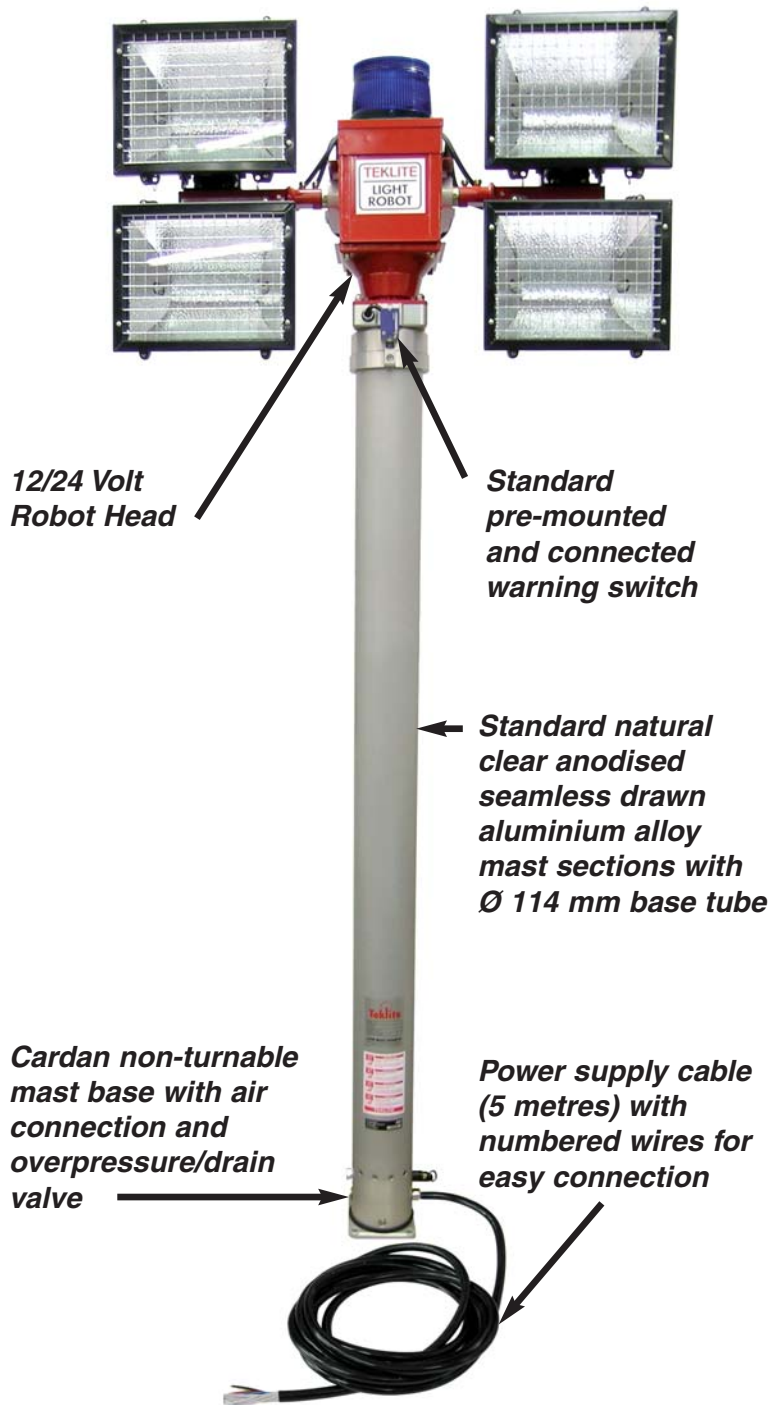
Light Robot's features

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



MOBILE, PORTABLE & EMERGENCY LIGHTING

Amazingly easy to operate !



Functions

- To extend the mast
- To switch the lighting left (lights 1) and right (lights 2) "on" and "off"
- Beacon switch
- To turn and tilt the lamps in any direction
- Automatic return to the retracted position (also when releasing the handbrake)



Here are the features that make fitting and operating this system so easy:

1. Electric system powered from the 12/24 volt vehicle battery and controlled by cable remote control.
2. It is possible to operate the mast robot lighting system with a single or double cable remote control.
3. When the operation is over, a simple push on the button "↓" 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.
4. Air-operated telescopic mast based on proven TF 400 series.
5. Robot Lighting Head tilts maximum 315° downwards in only one direction starting from zero position and turns 360° to the right in only one direction starting from zero position, at the touch of a button.
6. Lamps can be either 12/24 volt or 110/230 volt if there is a generator on board.
7. All Mast Robot Lighting Systems are also available with deadman function.
Put "DF" after the **control/junction unit cat. no.** for ordering purposes.

Technical specifications Light Robot Series with TF 400XE masts

MAST ROBOT LIGHTING SYSTEM SPEC.

TF 400XE mast	: Anodised aluminium alloy sections (Ø 114 mm base tube)
Warning switch	: Standard pre-mounted and connected
TF 400XE "Basic Plus" Robot Head	: 12 or 24 volt
Lamp choice	: HPS, MH, Halogen, Xenon, Xenarc or SMD-LED
Remote control	: Push button model
Control/Junction unit "Basic Plus"	: 12 or 24 volt
Air supply	: Compressor, Air Pressure Regulator or Air Pressure Valve Kit
Max. air pressure	: 1.8 bar
Options	: FireCAN & CANopen Interfaces available on request

TF 400XE MAST MODELS (Class II approved)

TF 400XE Series masts			
Model	Cat. No.	Retracted height	Extended height
4 section masts*			
TF 432XE/4*	25745	1230 mm	3140 mm
TF 440XE/4*	25746	1480 mm	4050 mm
TF 445XE/4*	25747	1660 mm	4700 mm
TF 453XE/4*	25748	1830 mm	5395 mm
TF 460XE/4*	25749	2030 mm	6000 mm
5 section masts			
TF 432XE/5	25760	1025 mm	3100 mm
TF 440XE/5	25761	1275 mm	4000 mm
TF 445XE/5	25762	1445 mm	4600 mm
TF 453XE/5	25763	1670 mm	5300 mm
TF 460XE/5	25764	1820 mm	5950 mm
TF 470XE/5	25766	2000 mm	7000 mm

* All 4 section masts can be equipped with a S-STP/micro coax cable, suitable for video & audio applications.

LAMP UNIT CHOICE

Lamps can be supplied in 12, 24, 110 or 230 volt.



All robot heads are available with beacon (option). Put a "B" after the robot head 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.

PERFORMANCE (to tilt and turn lamps)

Turning speed	Time
Horizontal turning speed at 180°	15 sec.
Vertical turning speed at 90°	5 sec.

Mast Lighting Robots are the most advanced, automatic lighting systems of the Teklite range.

They have features which make them suitable for medium or heavy size vehicles. One of the most attractive reasons to use a Light Robot is that it is installed with minimum work.

The telescopic mast of the mast robot lighting system can be fed by either :

1. the air compressor or
2. the air pressure tank of the vehicle.



Cat. No.	Model	Volt	Amps	Lumens
25273	2 x 70 Watt HP Sodium*	12	12,5	13.000
25274	2 x 70 Watt HP Sodium*	24	7,0	13.000
25275	2 x 70 Watt Metal Halide*	12	13,0	10.000
25276	2 x 70 Watt Metal Halide*	24	7,4	10.000
27280	1 x 70 W HPS + 1 x 70 W MH*	12	12,8	11.500
27285	1 x 70 W HPS + 1 x 70 W MH*	24	7,2	11.500
25268	2 x 35 Watt Xenarc	24	3,0	7.000
25277	2 x 100 Watt Xenon*	12	16,7	7.200
25278	2 x 150 Watt Xenon*	24	12,5	12.000
27300	2 x 300 Watt Xenon*	24	25,0	24.000
25279	2 x 500 Watt Halogen*	230	4,4	19.000
27301	2 x 750 Watt Halogen*	230	6,5	33.000
25280	2 x 1000 Watt Halogen*	230	8,7	44.000
25860	2 x 1500 Watt Halogen*	230	13,0	72.000
27310	2 x 150 Watt Metal Halide	24	12,5	22.500
25108	2 x 250 Watt HP Sodium	24	23,0	54.000
27315	2 x 400 Watt HP Sodium*	230	9,0	110.000
27320	2 x 400 Watt Metal Halide*	230	9,0	66.000
27325	1 x 400 W HPS + 1 x 400 W MH*	230	9,0	88.000
35911	2 x 50 Watt SMD-LED*	12	10,6	10.000
35916	2 x 50 Watt SMD-LED*	24	4,8	10.000
27335	4 x 70 Watt HP Sodium*	24	14,0	26.000
27345	4 x 70 Watt Metal Halide*	24	14,8	20.000
27355	2 x 70 W HPS + 2 x 70 W MH*	24	14,4	23.000
25269	4 x 35 Watt Xenarc	24	5,9	14.000
25281	4 x 150 Watt Xenon*	24	25,0	24.000
25282	4 x 500 Watt Halogen*	230	8,7	38.000
27366	4 x 750 Watt Halogen*	230	13,0	66.000
25283	4 x 1000 Watt Halogen*	230	17,4	88.000
25861	4 x 1500 Watt Halogen*	230	26,2	144.000
27380	4 x 400 Watt HP Sodium*	230	18,0	220.000
27385	4 x 400 Watt Metal Halide*	230	18,0	132.000
27390	2 x 400 W HPS + 2 x 400 W MH*	230	18,0	176.000
35921	4 x 50 Watt SMD-LED*	12	21,2	20.000
35926	4 x 50 Watt SMD-LED*	24	9,6	20.000
33425	6 x 35 Watt Xenarc	24	9,0	21.000
33430	6 x 120 Watt Xenon*	24	30,0	21.600
33435	6 x 500 Watt Halogen*	230	13,0	57.000
33440	6 x 750 Watt Halogen*	230	19,6	99.000
33445	6 x 1000 Watt Halogen*	230	26,0	132.000
35931	6 x 50 Watt SMD-LED*	12	31,8	30.000
35936	6 x 50 Watt SMD-LED*	24	14,4	30.000

Technical specifications Light Robot Series with TF 400XE masts

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

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



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

MAST LIGHTING ROBOT HEAD WITH CONTROL/JUNCTION UNIT & REMOTE CONTROL



Robot Head "Basic Plus"

Model 12V Cat. No. 34020

Model 24V Cat. No. 34021



Control/Junction Unit "Basic Plus"

Model 12V Cat. No. 27719

Model 24V Cat. No. 27720



Cable Remote Control-LV

Cat. No. 27731

1,25 metre spiral cable + 10 metres linear cable



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

Distributor :

CLARK MASTS TEKSAM NV, Woudstraat 21, B-3600 Genk, Belgium

Tel : +32 (0)89 38 44 72 - Fax : +32 (0)89 38 61 41 - E-mail : info@teksam.be - Website : www.teklite.com

TEKLITE is a division of Clark Masts Teksam NV

ISO 9001:2000 CE