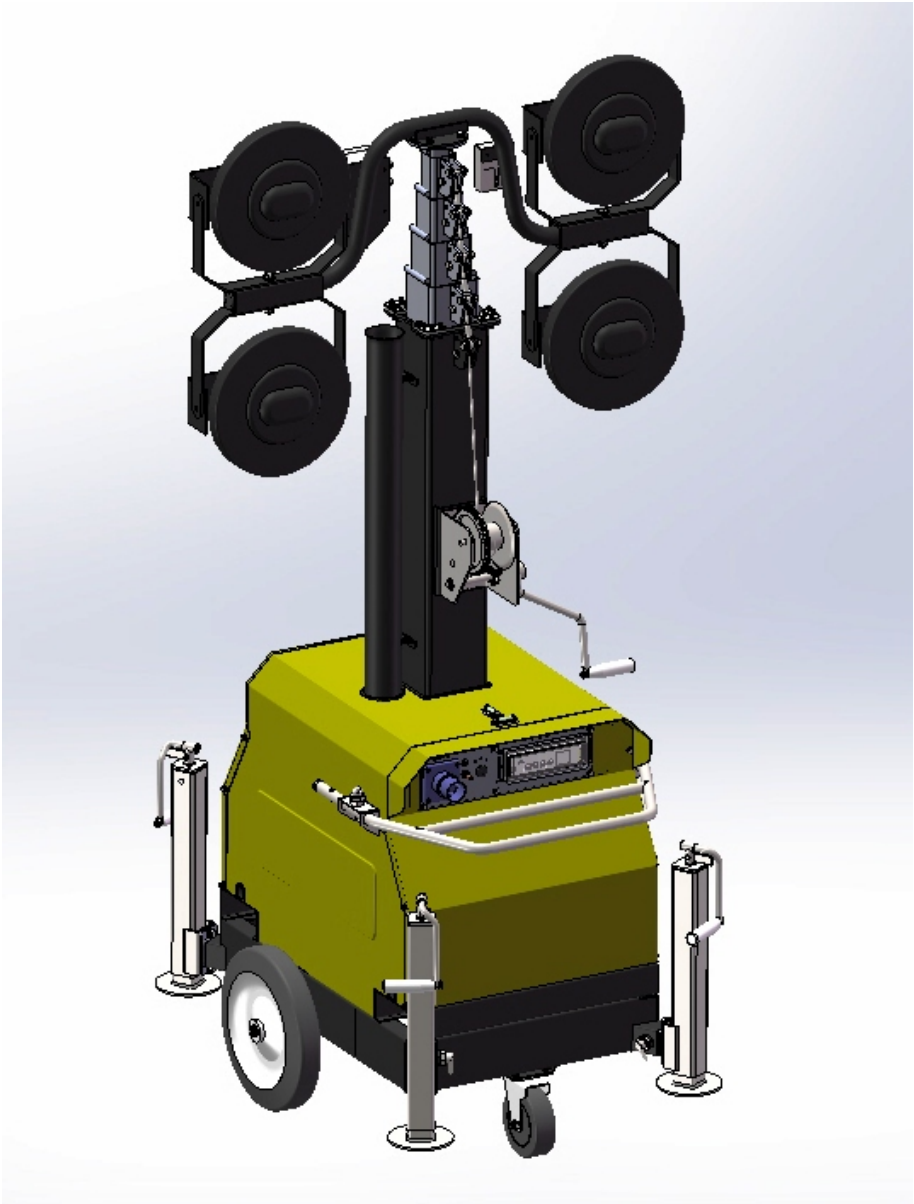
PACLITE Equipment

2011

Certified No:16569

Certificate No. SG 94/03938

MAXI-LIGHT 230V



Operator's Manual

PLUG IN LIGHT TOWER

EC DECLARATION OF CONFORMITY / DECLARATION CE DE CONFORMITE / DECLARACIÓN DE CONFORMIDAD CE / DECLARAÇÃO CE DE CONFORMIDADE

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F

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PRODUCT TYPE……	**TYPE DE PRODUIT….**	**TIPO DE PRODUCTO..**	**TIPO DE PRODUCTO..**
MODEL……..	**MODELE……..**	**MODELO……..**	**MODELO……..**
SERIAL No……..	**Nº DE SERIE……..**	**Nº DE SERIE……..**	**Nº DE SÉRIE……..**
DATE OF	**DATE DE**	**FECHA DE**	**DATA DE**
MANUFACTURE…….	**FABRICATION…….**	**FABRICACIÓN…….**	**FABRIC……..**
WEIGHT……..	**POIDS……**	**PESO……**	**PESO……..**

PACLITE Equipment

Signed by:

Quality Manager - On behalf of Uni-corp Europe

Directrice de Qualité-au nom de Uni-corp Europe S.A.R.L.

Anita Tan

Foreword

This manual has been written to help you operate your Reversible Plate Compactor safely. It is intended primarily for dealers and operators of Paclite Reversible Plate Compactors. It is recommended that you keep this manual or a copy of it with the machine so that it is readily available for reference.

Before you operate or carry out any maintenance on this machine YOU MUST READ and UNDERSTAND this manual.

Should you have ANY QUESTIONS about the safe use or maintenance of this machine after reading this manual, ASK YOUR SUPERVISOR or CONTACT:
Uni-corp Europe on +33(0) 1 4981 6955

Paclite reserves the right to change machine specification without prior notice or obligation.

Directions with regard notations

Text in this manual to which special attention must be paid are shown in the following way:

CAUTION

This CAUTION sign indicates a potential hazard, which if ignored, could result in injuries to the operator and/or those close by, as well as damaging the machine.

WARNING

This WARNING sign indicates a potential hazard, which if ignored could result in the DEATH of the operator and/or those close by.

Contents

Safety Information

For your own personal protection and for the safety of those around you, please read and ensure you fully understand the following safety information. It is the responsibility of the operator to ensure that he/she fully understands how to operate this equipment safely. If you are unsure about the safe and correct use of the Reversible Plate Compactor, consult your supervisor or Paclite.

CAUTION

Improper maintenance can be hazardous. Read and understand this section before you perform any maintenance, service or repairs.

General Safety

- The owner of this machine must observe, and also train the user of the machine to observe, the effective labour protection laws in the country of application.
- This machine is to be used for is intended application only.
- This machine must only be operated by well-trained personnel.
- Personal Protective Equipment (PPE) must be worn by the operator whenever the equipment is being used.
- Cordon off the work area and keep members of the public and unauthorised personnel at a safe distance.
- If the surface to be compacted is on a slope, great care must be taken when controlling the machine's direction of travel. Always work up and down a slope, not across.
- Make sure you know how to safely switch this machine OFF before you switch it ON in case you run into any difficulties.
- This machine must be operated on the ground where stability is guaranteed. When working near the rim of excavated trenches, use the machine properly so that the machine may not collapse or fall down.
- Never remove or tamper with any fitted guards; they are there for your own protection. If they are damaged or missing, DO NOT USE THE MACHINE until the guard has been replaced or repaired.
- Always switch OFF the engine before transporting it, moving it around site or servicing it.
- Do not operate the machine when you are ill, feeling tired or when under the influence of alcohol or drugs.
- Before transportation of the unit, switch off all the circuit breakers.
- To lift heavy parts, a hoist of ample capacity, tested and approved according to local safety regulations, shall be used. Lifting hooks, eyes, shackles, etc., shall never be bent and shall only have stress in line with their design load axis. The capacity of a lifting device diminishes when the lifting force is applied at an angle to its load axis.

- This machine is designed to eliminate the possible risks arising from the use of it. However, risks DO reside, and these residual risks are not clearly recognisable and may cause personal injury or property damage, and possibly death. If such unpredictable and unrecognisable risks become apparent, the machine must be stopped immediately, and operator or his supervisor must take appropriate measure to eliminate such risks. It is sometimes necessary that the manufacturer must be informed of such an event for future counter measuring.

Safety during use and operation

Periodically carry out maintenance works according to the maintenance schedule.

WARNING

- Stationary housing guards are provided on all rotating or reciprocating parts not otherwise protected and which may be hazardous to personnel. Machinery shall never be put into operation, when such guards have been removed, before the guards are securely reinstalled.
- Never operate the unit in surroundings where there is a possibility of taking in flammable or toxic fumes.
- If the working process produces fumes, dust or vibration hazards, etc., take the necessary steps to eliminate the risk of personnel injury.
- When using compressed air or inert gas to clean down equipment, do so with caution and use the appropriate protection, at least safety glasses, for the operator as well as for any bystander. Do not apply compressed air or inert gas to your skin or direct an air or gas stream at people. Never use it to clean dirt from your clothes.
- When washing parts in or with a cleaning solvent, provide the required ventilation and use appropriate protection such as a breathing filter, safety glasses, rubber apron and gloves, etc.
- If there is a risk of inhaling hazardous gases, fumes or dust, the respiratory organs must be protected and depending on the nature of the hazard, so must the eyes and skin.
- Never operate the light tower in a humid atmosphere. Excessive moisture causes worsening of the light tower insulation.
- Do not open electrical cabinets, cubicles or other equipment while voltage is supplied. If such cannot be avoided, e.g. for measurements, tests or adjustments, have the action carried out by a qualified electrician only, with appropriate tools, and ascertain that the required bodily protection against electrical hazards is applied.
- Never touch the power terminals during operation of the machine.
- Whenever an abnormal condition arises, e.g. excessive vibration, noise, odour, etc., switch the circuit breakers to OFF. Correct the faulty condition before restarting.
- Check the electric cables regularly. Damaged cables and insufficient tightening of connections may cause electric shocks. Whenever damaged wires or dangerous conditions are observed, switch the circuit breakers to OFF and stop the unit. Replace the damaged

wires or correct the dangerous condition before restarting. Make sure that all electric connections are securely tightened.

- Avoid overloading the light tower. The light tower is provided with circuit breakers for overload protection. When a breaker has tripped, reduce the concerned load before restarting.
- Never remove the cover of the output terminals during operation. Before connecting or disconnecting wires, switch off the load and the circuit breakers, stop the machine and make sure that the machine cannot be started inadvertently or there is any residual voltage on the power circuit.
- When deploying the light tower mast, keep in mind following safety precautions:

  - Do not deploy the mast unless the machine is standing on an even surface and the stabilizers have been fully adjusted.

  - Do not deploy the mast in the vicinity of overhead power cables: DANGER OF ELECTROCUTION.

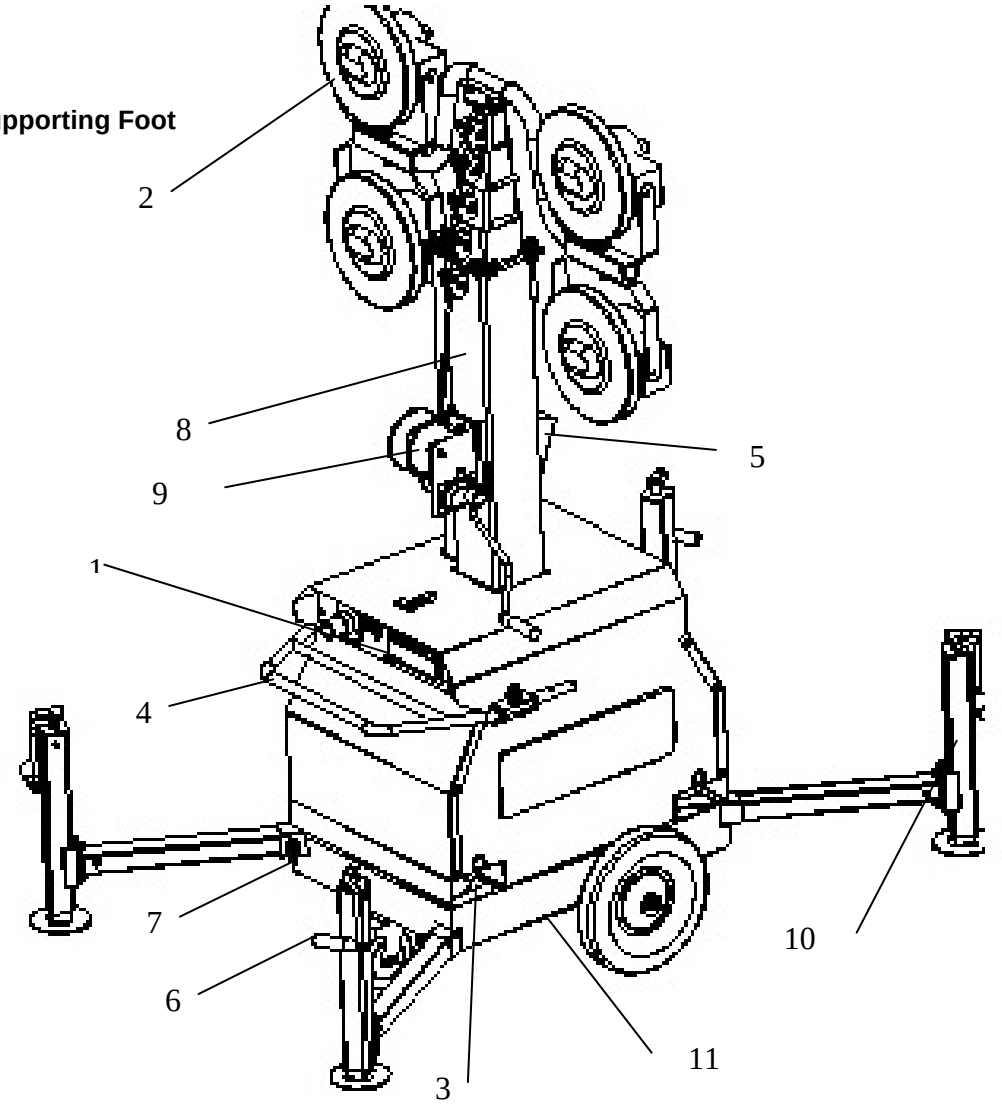
  - Do not raise the mast with the lights in transport position.

  - Make sure that nobody is standing too close to the light tower when the mast is being deployed.

  - Do not deploy the mast if the wind is stronger than 80 Km/h, if the light tower is in operation position (lights not in line with the wheels).

Machine Description

1. **Date Plate**
2. **LED Lights**
3. **Forklift Slots**
4. **Handles(for transport on site)**
5. **Lifting Eye**
6. **Levelling Handle(to adjust the height of the supporting foot)**
7. **Locking Pin Stabilzer**
8. **Mast**
9. **Winch**
10. **Stabilizeer And Supporting Foot**
11. **Undercarriage**



Please note: Due to improvements and changes in the equipment, the illustrations shown may be different from the actual machine.

MARKINGS

Markings provide instructions and information. They also warn of hazards. For convenience and safety,keep all markings in legible condition, replacing them when damaged or missing. Replacement markings are available from factory.

Indicates that an electric voltage, dangerous to life, is present. Never touch the electric terminals during operation.

Indicates that the mast should not be extended near electric wires

Indicates the locking pin of the stabilizers.

Indicates the lifting point of the light tower.

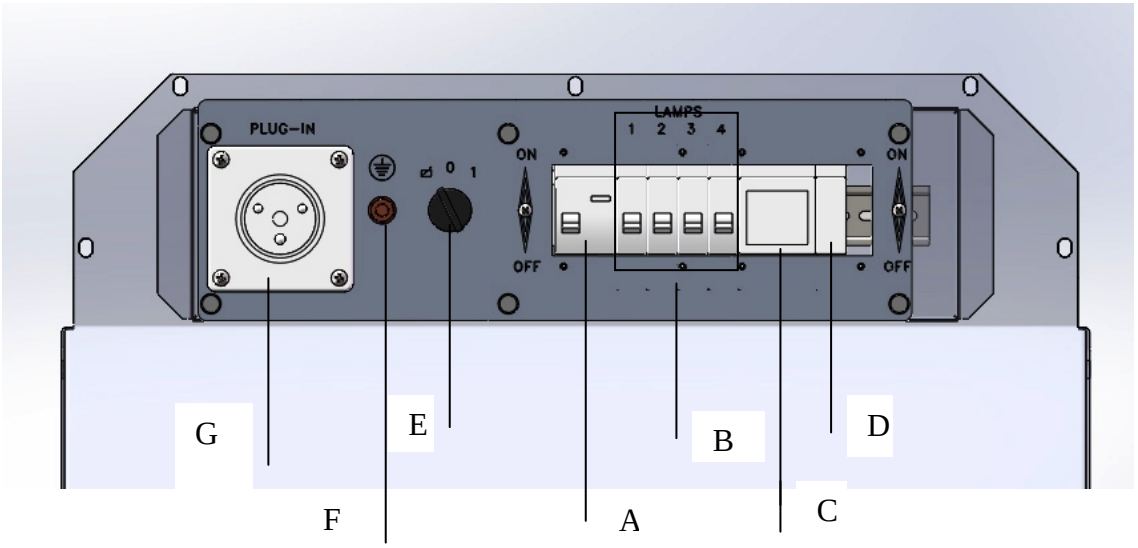
Indicates that the unit may start automatically and that the instruction book has to be consulted prior to use

Indicates the forlift slots

Indicates the earthing connections on the light tower

Indicates the danger of touching rotating parts of the unit.

Control and indicator panel



A ..... General circuit breaker

Interrupts the power supply when a short- circuit occurs at the load side, or when the overcurrent protection is activated. It allows to isolate the machine.

B .... .Circuit breakers for lamps

The control panel provides 4 circuit breakers for the lamps (one for each lamp).

C..... Timer (optional)

D..... Photocell (optional)

E..... REMOTE/ON/OFF switch (optional)

Position ⊘ : REMOTE START, for Auto Photocell or weekly timer start option

Position I: ON, for manual switch on

Position O: OFF, to disconnect

F.....earthing connections

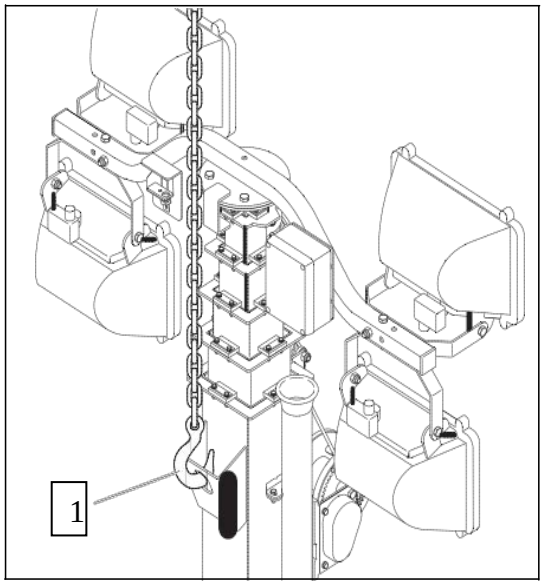
G ..... Inlet plug for connection to the mains

(CEE 32, 2PH+PE, IP67)

Installation and connection

Ⅰ. Lifting

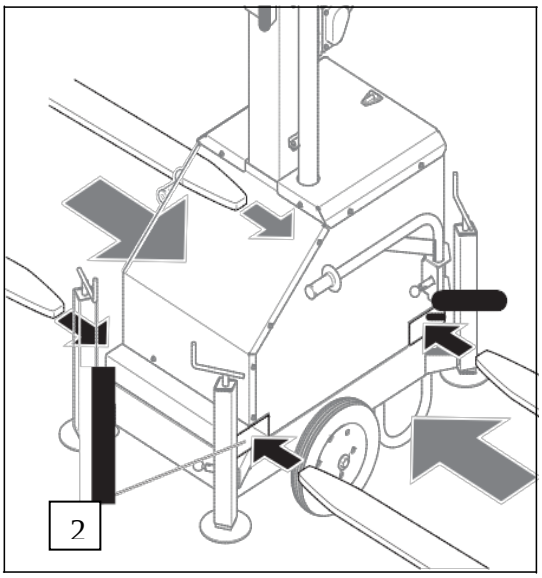
A: The lifting eye (1), to lift the light tower by means of a hoist, is integrated in the mast and easily accessible from the outside.



While lifting, the light tower will be tilted towards the mast to avoid damage to the floodlights.

Lifting acceleration and deceleration must be kept within safe limits

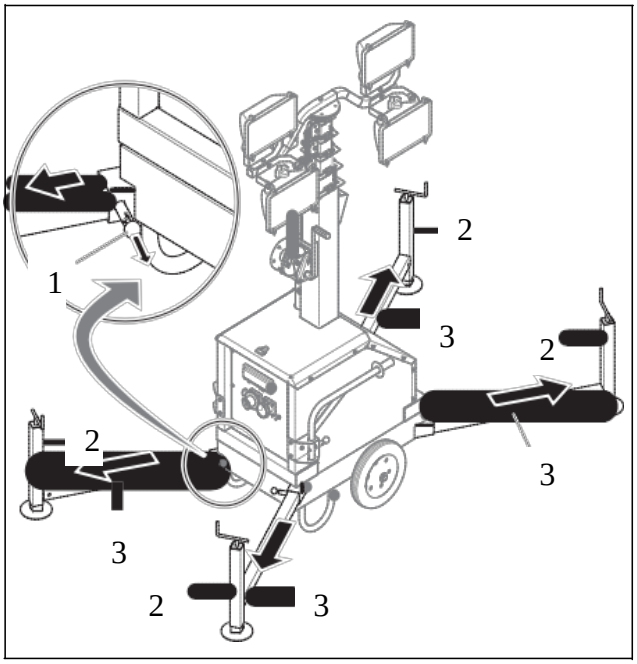
B: To be able to lift the light tower by means of a forklift, forklift slots (2) are provided in the frame.



To lift the light tower by using the lifting eye, the flood lights should be in operation position. To lift the light tower by means of a fork lift, the flood lights can be both in operation or transport position.

II .Positioning for operation

Follow the steps below to position the light tower:

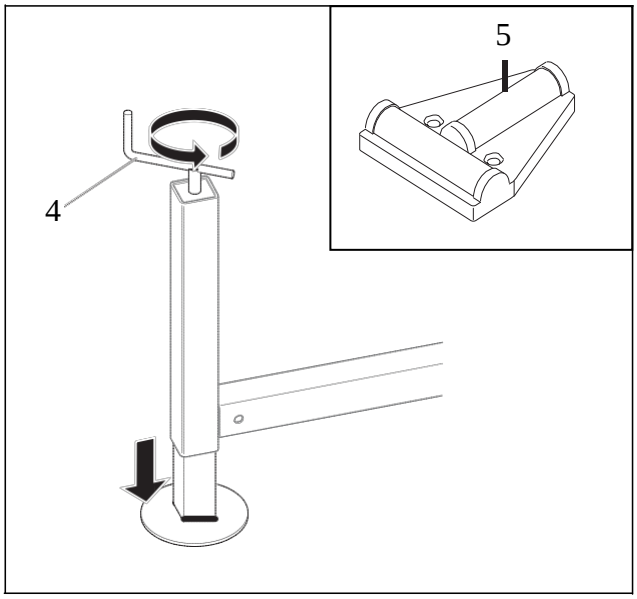


1. Place the light tower on a horizontal, even and solid floor.

2. Make sure that the mast is down.

3. To extend the stabilizers; release the locking pin of each stabilizer (1) by lifting it up and pull the supporting foot (2) at the maximum extension of the stabilizer (3).

4. Once the stabilizers (3) have been extended, release the locking pin (1) to lock them in position.

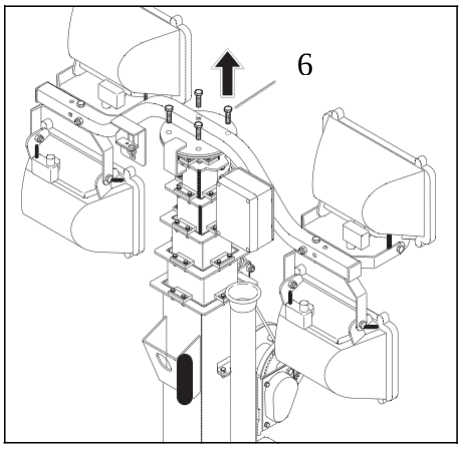


5. Turn the handle (4) at the top of the supporting feet anticlockwise to lower them and put the light tower in a level position.

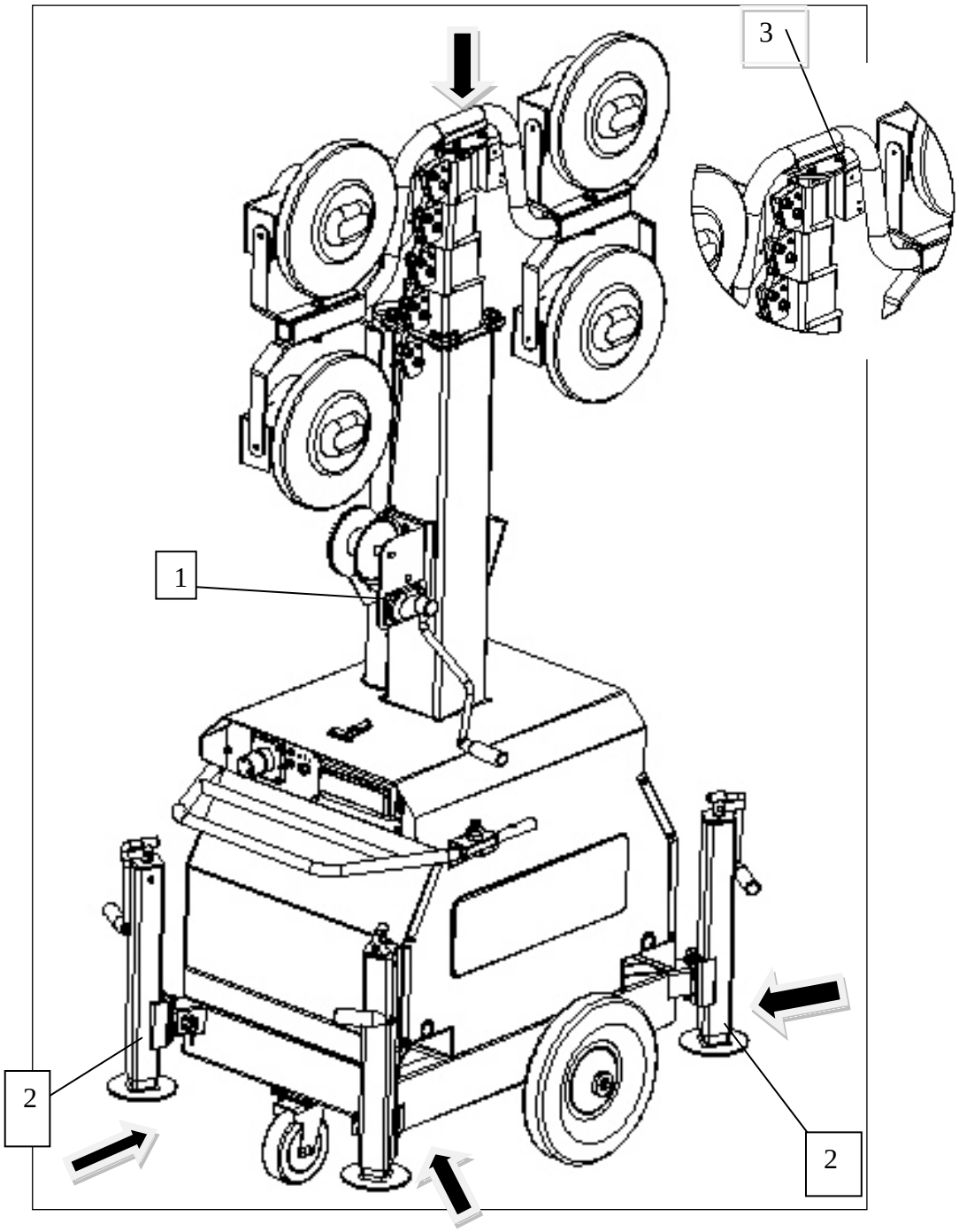
Adjust the height of the supporting feet gradually in order to ensure the stability of the unit.

Check the levels (5) on top of the light tower to ensure that the unit is in a level position

6. Rotate the floodlight support 90º (operation position) by loosening the 4 screws on top (6). When the support is correctly positioned, tighten the 4 screws again.



III. Positioning for transport



1. Make sure the mast is lowered
2. Use the handle at the top of each foot to retract the 4 feet .Retract the stabilizers and ensure their locking pins.

   (following the reverse order of the procedure described in “Positioning for operation”)
3. Loosen the 4 screws of the floodlight support (6) and rotate the support 90° (transport position). Tighten the 4 screws again.
4. Once all the above actions have been completed, the light tower is ready for transport:

Operation instructions

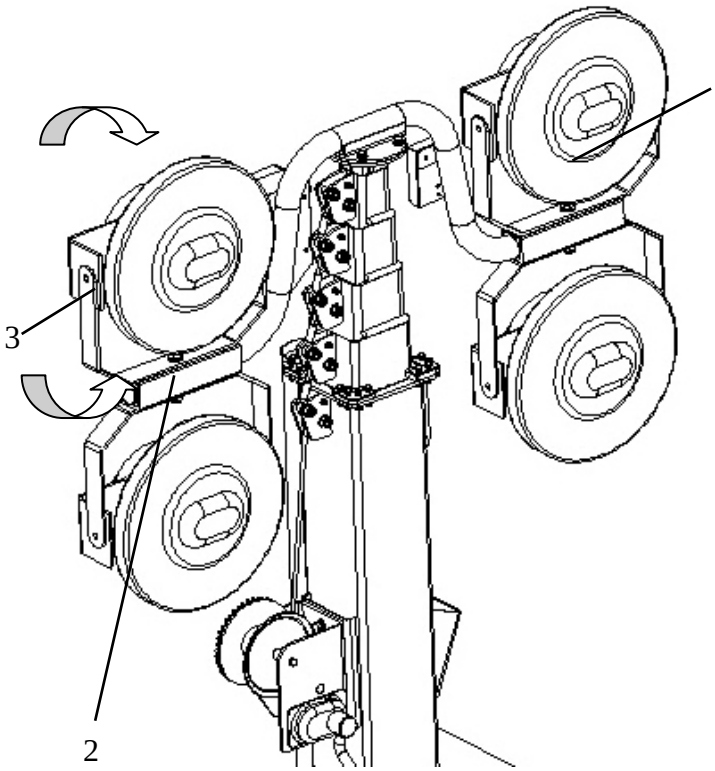
CAUTION

In your own interest, always strictly observe all relevant safety instructions.
Do not operate the light tower in excess of the limitations mentioned in the Technical Specifications.
Local rules concerning the setting up of low voltage power installations (below 1000 V) must be respected when connecting site distribution panels.
At each start-up protections (GB trip) of the light tower must be verified. Earthing must be done either by the earth pin or, if available, by an existing, suitable earthing installation. The protective system against excessive contact voltage is not effective unless a suitable earthing is made

Ⅰ. Before starting

- Perform all daily checks and maintenance as specified in the "maintenance schedule"
- Check the tightness of all bolts and nuts. For torque values,
- Check that circuit breaker ”A” is switched off.
- Check that the fuses have not tripped.
- Check that the load is switched off.

Ⅱ. Operating the light tower

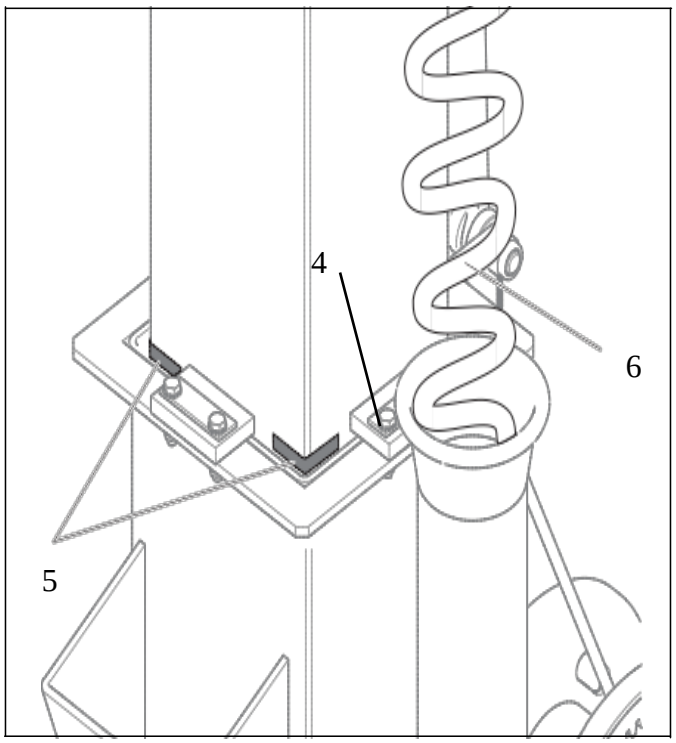


1. Check that the glass panes of the lights (1) are in good condition.

2. Check the tightness of the nuts on top of the light supports (2). Torque if necessary.

3. To set the inclination angle of the LED lights,loosen the hexagonal screws (3). Put the floodlight into the desired position and tighten the screws again.

4. Proceed with extending the mast as described below.



5. Check whether the plastic spacers on top of the mast sections (4) are in good condition. Replace if necessary.

6. Use the winch to manually raise/lower the mast to the desired height. The mast can be extended up to the red indication on the first mast segment (5) (max 7 metres).

7.Switching on/off the LED lights

CAUTION

----Do not extend the mast at a wind speed stronger than 80 km/h.

----Mind your head while lowering the mast!

----When lowering the mast, check that the power cord on the mast (spiral cable (6)) collapses freely into its holder and does not become pinched or tangled!

Periodic maintenance

I Maintenance schedule

CAUTION

Before carrying out any maintenance activity, check that the power switch is in position OFF and that no electrical power is present on the terminals

Maintenance schedule	Daily	Yearly
Light tower		
Check if mast cables are not frayed or damaged. Replace immediately if damaged.	x	
Check support connection bolt of floodlights		x
Check adjustable plates condition		x
Check electrical cable condition and upper fixation clamp		x
Grease the mast collar (1)		x
Grease the mast adjustable plates (contact surface only) (1)		x
Inspection by specialized Service technician		x

Ⅱ Precautions

- **Do not carry out any change or modification to any part of the light tower or its electric system.**
- **Do not carry out any maintenance when the light tower is running.**

Ⅲ Use of maintenance schedule

Regular maintenance is essential for the optimum performance, safe operation and a longer working life of the machine.

The maintenance schedule contains a summary of the maintenance instructions. Read the respective section before taking maintenance measures.

When servicing, replace all disengaged packing, e.g. gaskets, O-rings, washers.

The maintenance schedule has to be considered as a guideline for units operating in a dusty environment typical to light tower applications. The maintenance schedule can be adapted depending on application, environment and quality of maintenance.

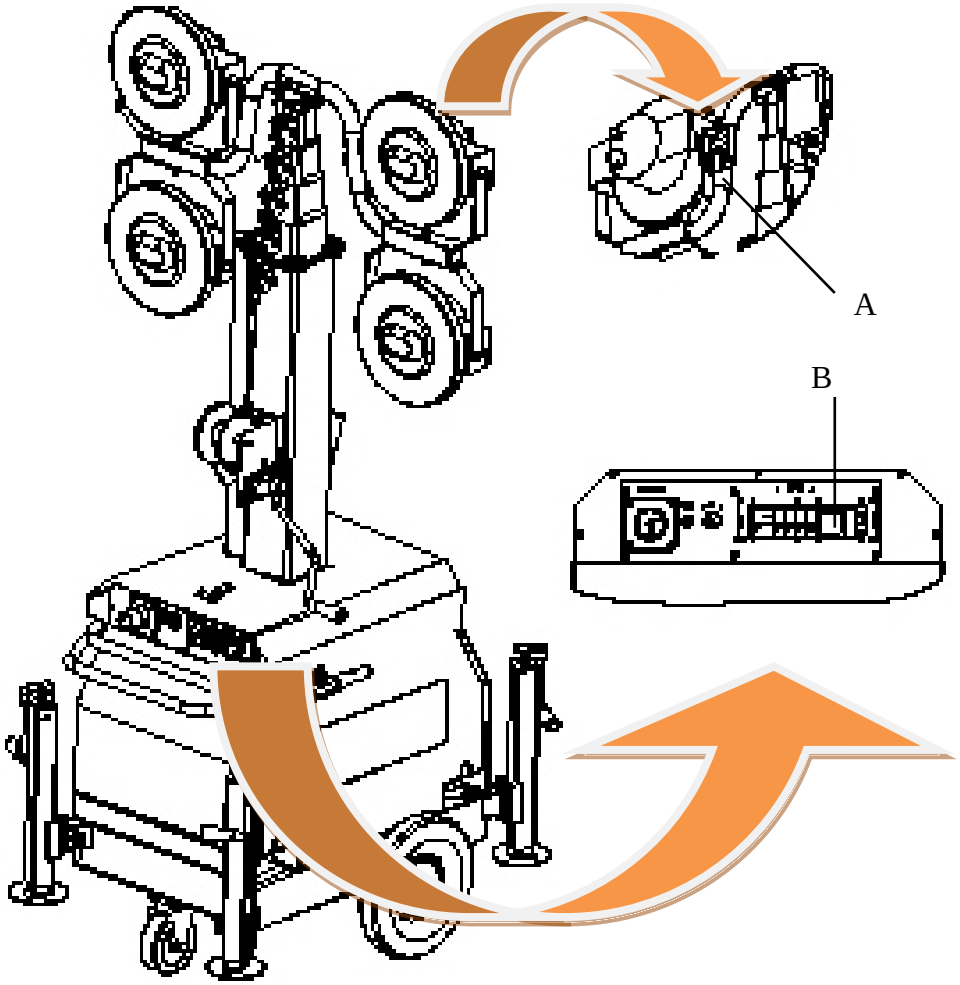
Checks and trouble shooting

CAUTION

Never perform a test run with connected power cables. Never touch an electrical connector without a voltage check. When a failure occurs, always report what you experienced before, during and after the failure. Information with regard to the load (type, size, power factor, etc.), vibrations, insulation check, odours, output voltage, leaks and damaged parts, ambient temperature, daily and normal maintenance and altitude might be helpful to quickly locate the problem. Also report any information regarding the humidity and location of the light tower (e.g. close to sea).

Description of the electrical

Ⅰ. Photocell



A ..... Photocell

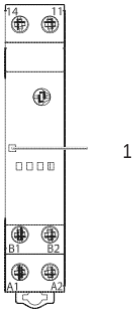
Measures the luminosity and can be activated by sunlight.

B..... Photocell sensitivity regulator

Is used for regulating the luminosity sensitivity level of the photocell.

Setting the sensitivity regulator

The photocell sensitivity regulator is used for regulating the luminosity sensitivity level of the photocell.
When the red LED (1) on the regulator is blinking, the regulator is reading the luminosity level measured by the photocell.



There are 2 blinking levels:

– Level 1: slow blinking

The photocell detects there is enough light, according to its set sensitivity level.

– Level 2: fast blinking

The photocell detects there is a prolonged luminosity change that falls below the set sensitivity level. Remote start will be triggered and the floodlights of the light tower will switch on automatically (if Remote start is selected, S20).

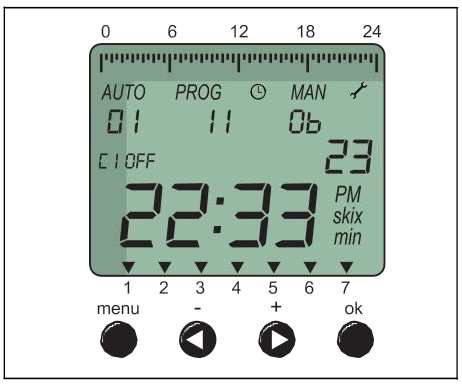
The recommended value to set the regulator is at
50 Lux.

– < 50 Lux: the floodlights switch on.

– > 50 Lux: the floodlights switch off.

The luminosity level can be adjusted to a desired higher/lower level, according to the specific operating conditions of the light tower.

II Timer



menu	Press the menu key to enter the editing menu. When in the editing menu, press the menu key to return to Auto mode, without saving the last change.
+ / -	Navigation and value setting keys
ok	Flashing information validation key.

At first use (or after Reset):

– Choose the language (French, English,...).

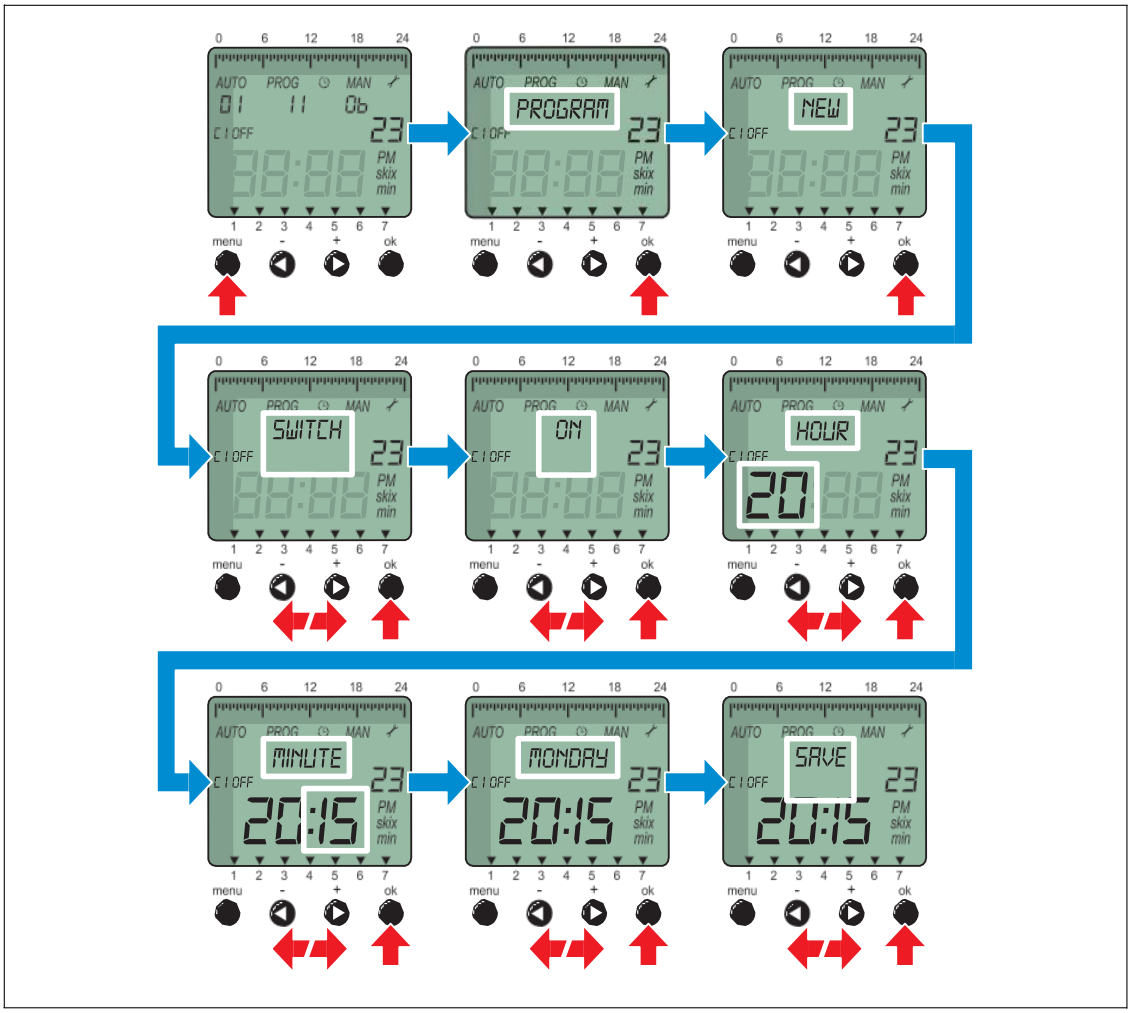
– Choose to delete or to keep the default set program.

– Set the year, month, day and time.

– Choose the sum

Setting the ON and OFF triggers of the timer

To program the ON trigger proceed as follows:



To program the OFF trigger follow the menu flow above and select OFF after selecting 'SWITCH'.

CAUTION

When both the photocell and the timer option are installed, the lamps of the light tower will switch on/off, depending on which of both options triggers first.

Storage of the light tower

I Storage

– Store the light tower horizontally in a dry, frost- free room which is well ventilated.

– If this is impossible, extra precautions must be taken:

• Clean the light tower and protect all electrical components against moisture.

• Place silica gel bags, VCI paper (Volatile Corrosion Inhibitor) or another drying agent inside the light tower and close the doors.

• Stick sheets of VCI paper with adhesive tape on the bodywork to close off all openings.

• Wrap the light tower, except the bottom, with a protective tarpaulin to avoid possible damage and corrosion due to environmental conditions.

II Preparing for operation after storage

Before operating the light tower again, remove the wrapping, VCI paper and silica gel bags and check the light tower thoroughly (go through the checklist “Before starting” on page 24). Submit the light tower to a test run.

Disposal

I General

When developing products and services, Atlas Copco tries to understand, address, and minimize the negative environmental effects that the products and services may have, when being manufactured, distributed, and used, as well as at their disposal.

Recycling and disposal policy are part of the development of all Atlas Copco products. Atlas Copco company standards determine strict requirements.

Selecting materials the substantial recyclability, the disassembly possibilities and the separability of materials and assemblies are considered as well as the environmental perils and dangers to health during the recycling and disposal of the unavoidable rates of not recyclable materials.

Your Atlas Copco light tower mainly consists of metallic materials, that can be re-melted in steelworks and smelting works and that is therefore almost infinite recyclable. The plastic used is labelled; sorting and fractioning of the materials for recycling in the future is foreseen.

Technical Data

MODEL	MAXLIGHT230V
Frequency HZ	50/60
Nominal power(kw)	0.64
outside temperature	?
Winch system	manual
Min. Dim. (cm)	116×80×220
Max. Dim. (cm)	195×125×720
Dry Weight (kg)	275
Lamps Power (w)	160×4
Lamp type	LED
Illuminated Area (5 lux min.)	2000m2
Lumen	16000×4
Mast Rotation	fix

Warranty

Your new Paclite Light Tower is warranted to the original purchaser for a period of one-year (12 months) from the original date of purchase.
The Paclite warranty covers defects in design, materials and workmanship.

The following are not covered under the Paclite warranty:

1. Damage caused by abuse, misuse, dropping or other similar damage caused by or as a result of failure to follow assembly, operation or user maintenance instructions.
2. Alterations, additions or repairs carried out by persons other than Paclite or their recognised agents.
3. Transportation or shipment costs to and from Paclite or their recognised agents, for repair or assessment against a warranty claim, on any machine.
4. Materials and/or labour costs to renew, repair or replace components due to fair wear and tear.

Paclite and/or their recognised agents, directors, employees or insurers will not be held liable for consequential or other damages, losses or expenses in connection with or by reason of or the inability to use the machine for any purpose.

Warranty Claims
All warranty claims should firstly be directed to the local dealer, either by telephone, by fax, by email, or in writing.

Liability
PACLITE declines any liability for possible damages to persons and/or things, which might arise from improper or wrong use of the machine or non-observance of the operating instructions in this manual.

USE ONLY GENUINE PACLITE PARTS AND ACCESSORIES!

For your own safety, the safety of others and the life of the machine.

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