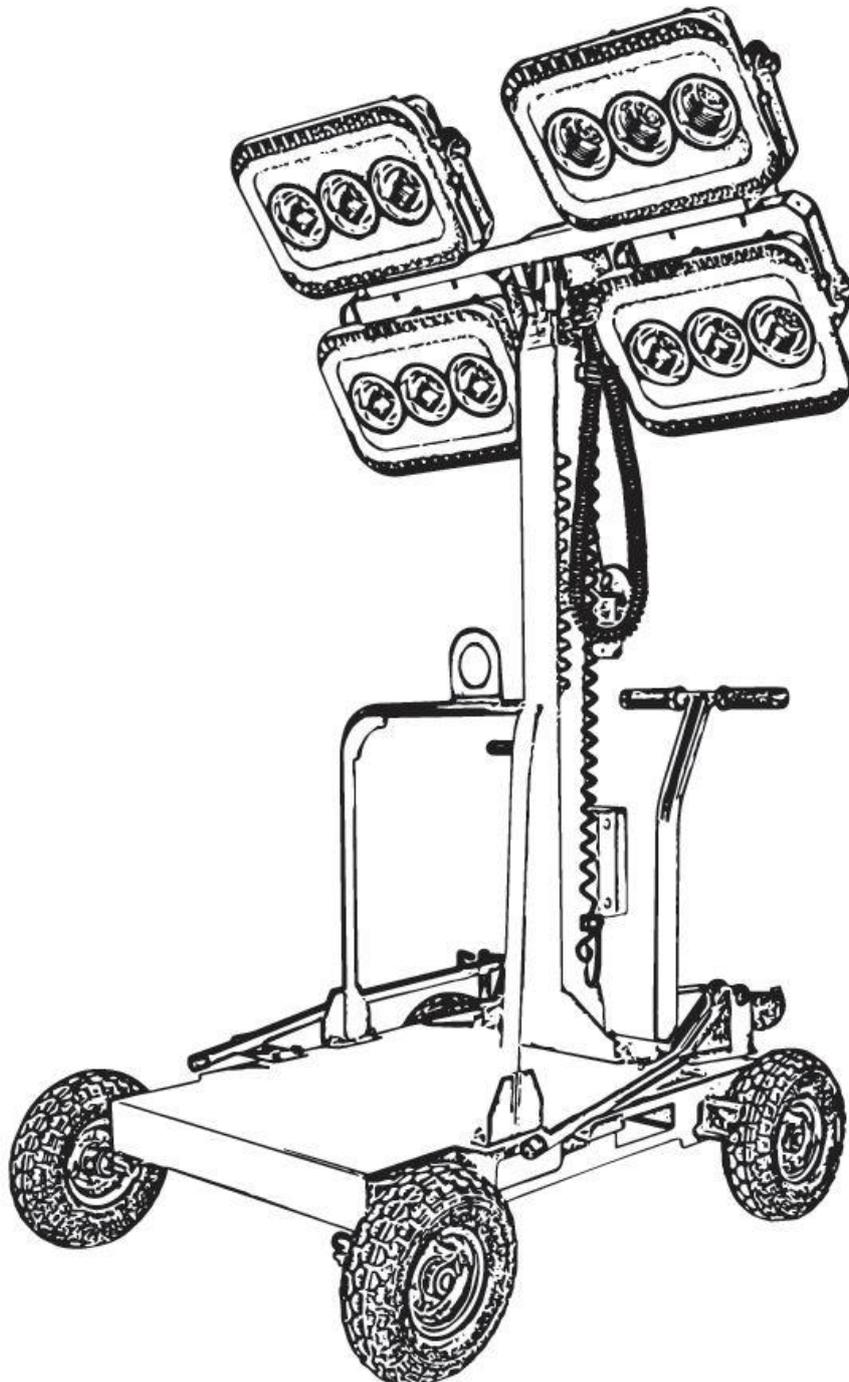




LED LIGHTING TOWER

LT600-LED-I

LT600-LED-D



User Guide

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1. SAFETY

1.1 General Safety Notes.

1.2 The operator of the machine is responsible for, and has a duty of care in making sure that the machine is operated safely and in accordance with the instructions in this user manual. Keep the manual safe and pass it on if the machine is loaned or sold to another user.

1.3 Please note the following safety points.

1.4 The machine should never be left it in a condition which would allow an untrained or unauthorised person/s to operate this machine.

1.5 All due care and diligence should be taken by the operator for the safety of and with regard to those around whilst using the machine.

1.6 Some or all of the following - warning signs, symbols and/or PPE pictograms may appear throughout this manual. You **MUST** adhere to their warnings. Failure to do so may result in personal injury to yourself or those around you.



DANGER

Indicates a hazard, which, if not avoided, could result in serious injury or death.



WARNING

Indicates a hazard, which, if not avoided, could result in serious injury.



CAUTION

Indicates a hazard which, if not avoided, might result in minor or moderate injury.



NOTE

Indicates a situation that could easily result in equipment damage.

1.7 READ and keep the manual safe and pass it on if the machine is loaned or sold to another user.

1.8 You **MUST** fully understand all instructions to ensure you use and operate the machine safely.

1.9 Appropriate Personal Protective Equipment (PPE), **MUST** be worn at all times when operating or repairing the machine.



HAND
PROTECTION
MUST BE WORN



EYE
PROTECTION
MUST BE WORN



PROTECTIVE
CLOTHING
MUST BE WORN



HEARING
PROTECTION
MUST BE WORN



FOOT
PROTECTION
MUST BE WORN



HEAD
PROTECTION
MUST BE WORN

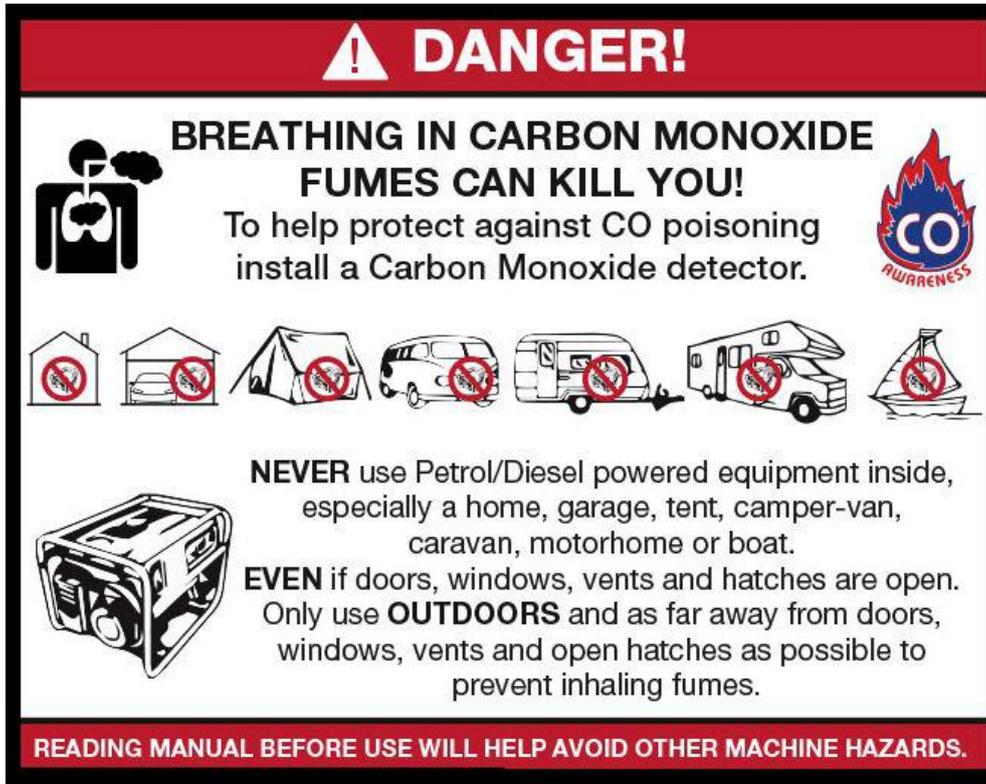


RESPIRATOR
MUST BE WORN



FACE SHIELD
MUST BE WORN

1.10 Carbon Monoxide (where applicable).



- 1.11 Carbon monoxide is a colourless and odourless gas. Inhaling this gas can cause death as well as serious long term health problems such as brain damage.
- 1.12 The symptoms of carbon monoxide poisoning can include but are not limited to the following;
Headaches, dizziness, nausea, breathlessness, collapsing or loss of consciousness.
- 1.13 Carbon monoxide poisoning symptoms are similar to flue, food poisoning, viral infections and simply tiredness. It is quite common for people to mistake this very dangerous poisoning for something else.
- 1.14 To avoid carbon monoxide poisoning **DO NOT** use Petrol/Diesel powered equipment inside any of the following; Home, garage, tent, camper van, mobile home, caravan or boat. This is not exhaustive and if you are in any doubt contact your dealer.
- 1.15 If you think you have or someone around you has been affected by carbon monoxide poisoning;
- 1.16 Get them fresh air immediately, by leaving the affected area or by opening doors and windows. If safe and practical to do so make sure that the machine is turned off. **DO NOT** enter a room you suspect of having carbon monoxide present – instead call the emergency services.
- 1.17 Contact a Doctor immediately or go to Hospital – let them know that you suspect carbon monoxide poisoning.
- 1.18 **DO NOT** use in an enclosed area or moving vehicle.

1.20 **General Fuel Safety (where applicable).**



CAUTION

ALL FUELS ARE FLAMABLE

1.21 Fire Hazard – keep fuel away from all sources of ignition for example heaters. Lamps, sparks from grinding or welding.



1.22 **DO NOT** carry out hot work on tanks that have contained fuel.

1.23 **ALWAYS** keep the work area tidy.

1.24 **ALWAYS** clean up spills promptly using absorbent granules and a lidded bin.

1.25 **ALWAYS** dispose of waste fuels correctly.

1.30 **Fueling/De-fueling (where applicable).**



CAUTION

ALL FUELS ARE FLAMABLE

1.31 **ALWAYS** fuel and defuel in a well ventilated area outside of buildings.

1.32 **ALWAYS** wear correct, suitable and fit for purpose Personal Protective Equipment (PPE), suggested items are but not limited to safety gloves, overalls.



1.33 When fueling/de-fueling **ALWAYS** avoid inhaling fumes.

1.34 When de-fueling **ALWAYS** use a proper fuel retriever.



1.35 **ALWAYS** carry fuel in the correct and clearly marked container.

1.40 **Electrical Safety (where applicable).**

1.41 Electricity can kill – **NEVER** work on **LIVE/ENERGISED** equipment.

1.42 Prior to carrying out any maintenance work you **MUST** identify electrical isolation methods and isolate all electrical supplies.

1.43 Prior to use and with all electrical supplies isolated, you **MUST** check all electrical cables, plugs and connectors for the following;

1.44 Are intact and have no signs of damage, to include but not limited to bare wires, chaffing, cuts and loose wiring.

1.45 If there are any signs of damage, the damage item **MUST** be taken out of service until the damage has been repaired by an electrically competent person.

1.46 All trailing cables should be routed so as not to cause any kind of trip hazard.

1.47 **NEVER** work on or near electricity with wet hands, wet clothing and wet gloves.



1.50 Batteries (where present).

- 1.51 Batteries present a risk if they become damaged by the possible leaking of electrolyte. This electrolyte is an acid and can cause serious burn injuries. Care should be taken when working on or near them. **NOTE** the electrolyte may be in a liquid or gel form.
- 1.52 Should you come in to contact with electrolyte you should;
- 1.53 Remove all clothing contaminated with electrolyte. If you cannot remove them saturate them in water.
- 1.54 Get medical assistance as soon as possible. You must advise the medical staff of the type of acid.
- 1.55 Lead/acid battery = dilute sulphuric acid.
- 1.56 Nickel/cadmium = potassium hydroxide alkali electrolyte.
- 1.57 Use fresh running water to wash off excess electrolyte, continue this until medical assistance arrives. Make sure that you do not wash the electrolyte to another part of your body or face.
- 1.58 If electrolyte comes in to contact with Eyes the electrolyte needs to be immediately washed away with large amounts of water. Make sure that you do not wash the electrolyte to another part of your face or body.
- 1.59 Gasses from charging batteries are highly flammable and great care should be taken to charge in well ventilated areas.
- 1.59.1  There is an explosion risk if the battery terminals are short circuited, when connecting/disconnecting **ALWAYS** exercise great care so that the terminals or battery leads are **NOT** allowed to touch and cause a spark. **ALWAYS** use suitable insulated tools.

1.60 Vibrations (where applicable).

- 1.61 Prolonged use of hand held (operated) machines will cause the user to feel the effects of/from vibrations. These vibrations can lead to white finger (Raynaud's phenomenon) or carpal tunnel syndrome. This condition reduces the ability of the hand to feel and regulate temperature, causing numbness and heat sensations and may cause nerve damage and circulatory tissue death.
- 1.62 Not all factors that lead to white finger disease are known, but cold weather, smoking and other diseases that affect blood vessels and blood circulation as well as large and long-lasting impact of shocks are considered factors in the formation of white finger. Note the following to reduce the risk of white finger and carpal tunnel syndrome;
- 1.63 Wear gloves and keep your hands warm.
- 1.64 Take regular breaks.
- 1.65 All of the above precautions may help reduce the risk of white finger disease but not rule out the carpal tunnel syndrome. Long-term and regular users are therefore recommended to observe the condition of your hands and fingers. Seek medical attention immediately if any of the above symptoms should occur.

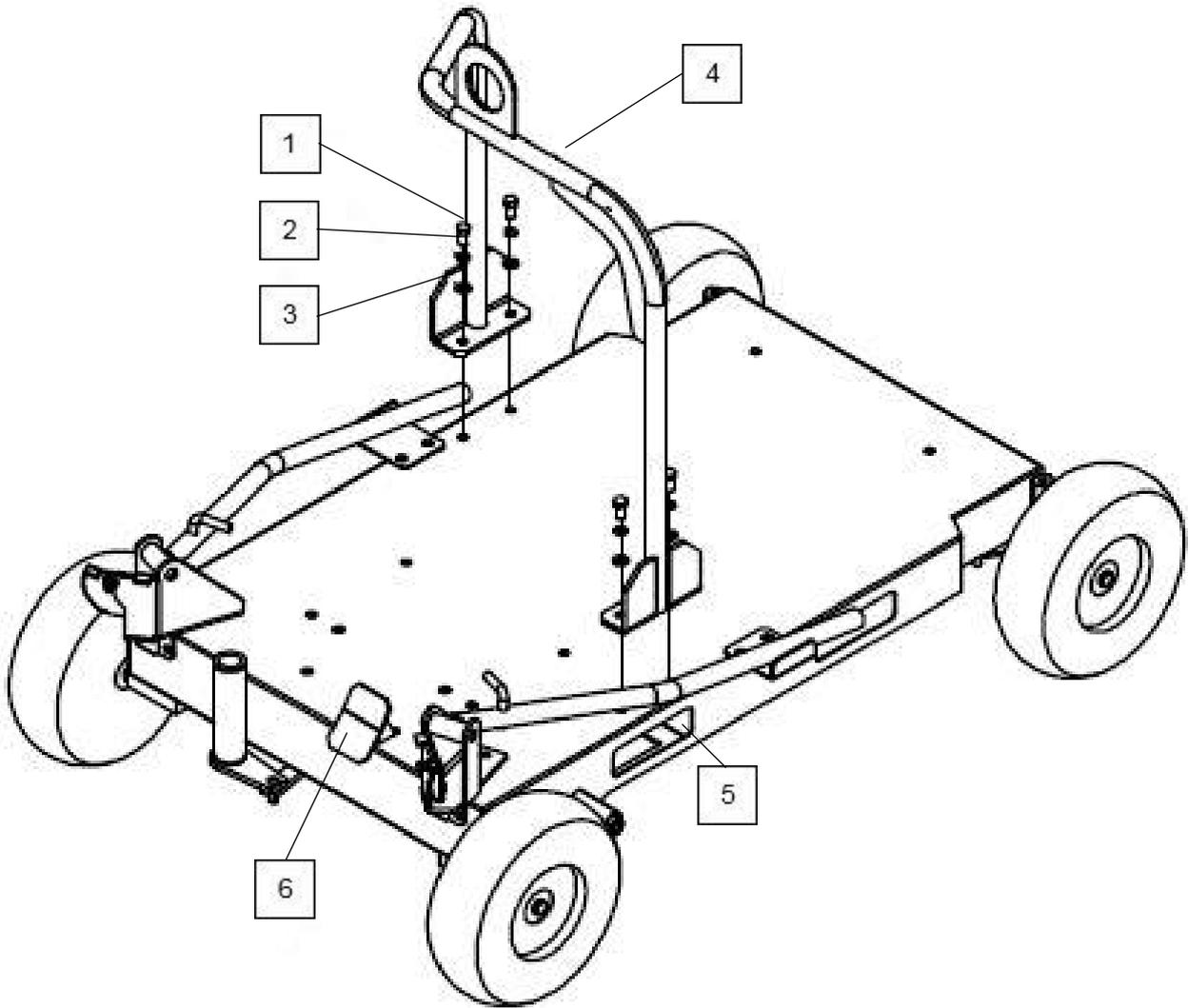
1.70 Noise (where applicable).

1.71 The operating noise of the machine can damage your hearing. Wear hearing protection such as earplugs or ear defenders to protect your hearing. Long-term and regular users are advised to have hearing checked regularly. Be especially vigilant and cautious when hearing ear protection because your ability to hear alarm warnings will be reduced.

1.72 Noise emissions for this equipment is unavoidable. Carry out noisy work at approved times and for certain periods. Limit the working time to a minimum. For your personal protection and protection of people working nearby it is also advisable for them to wear hearing protection.

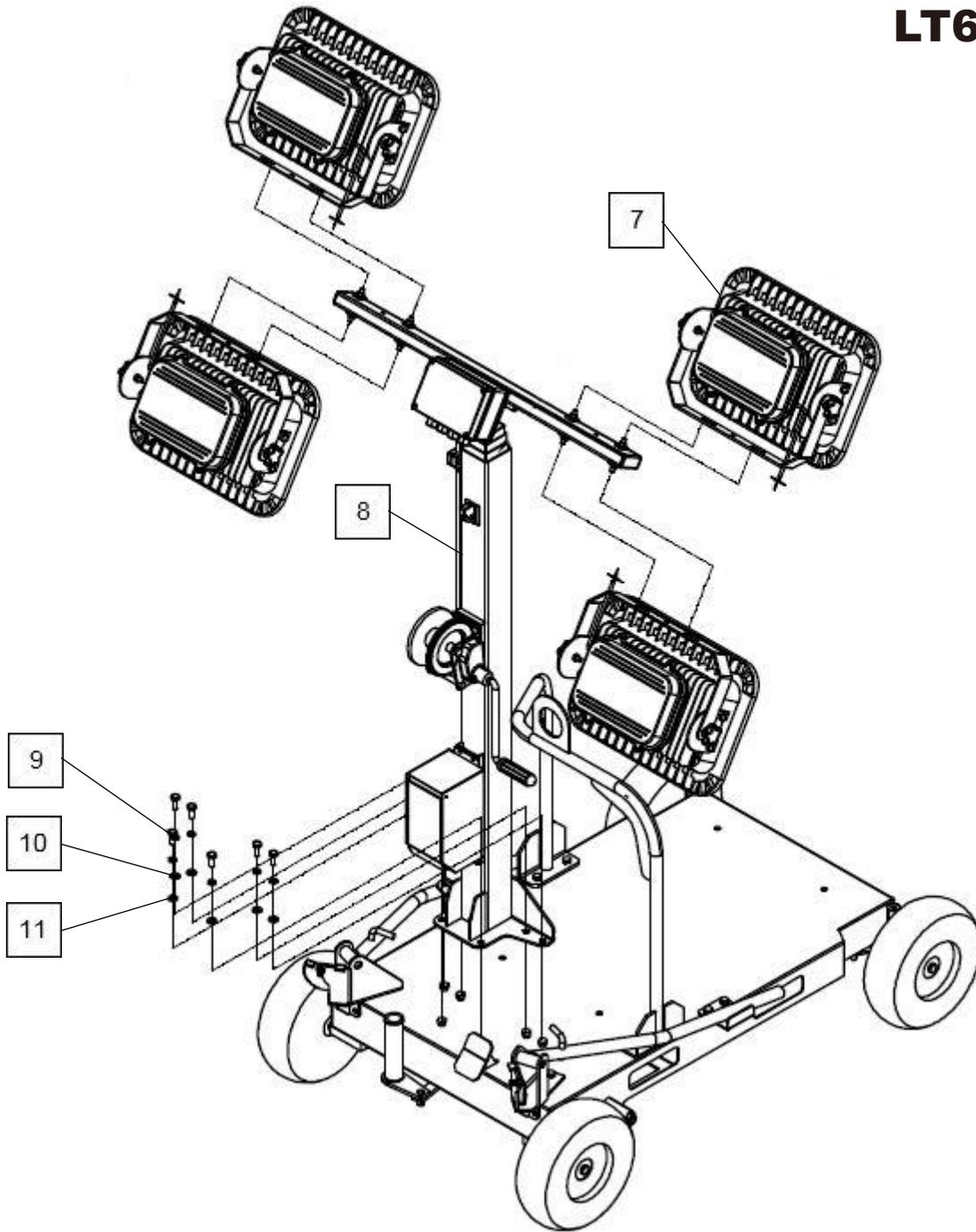


1.73 See Certificate of Conformity section for Outdoor Noise declaration of conformity.

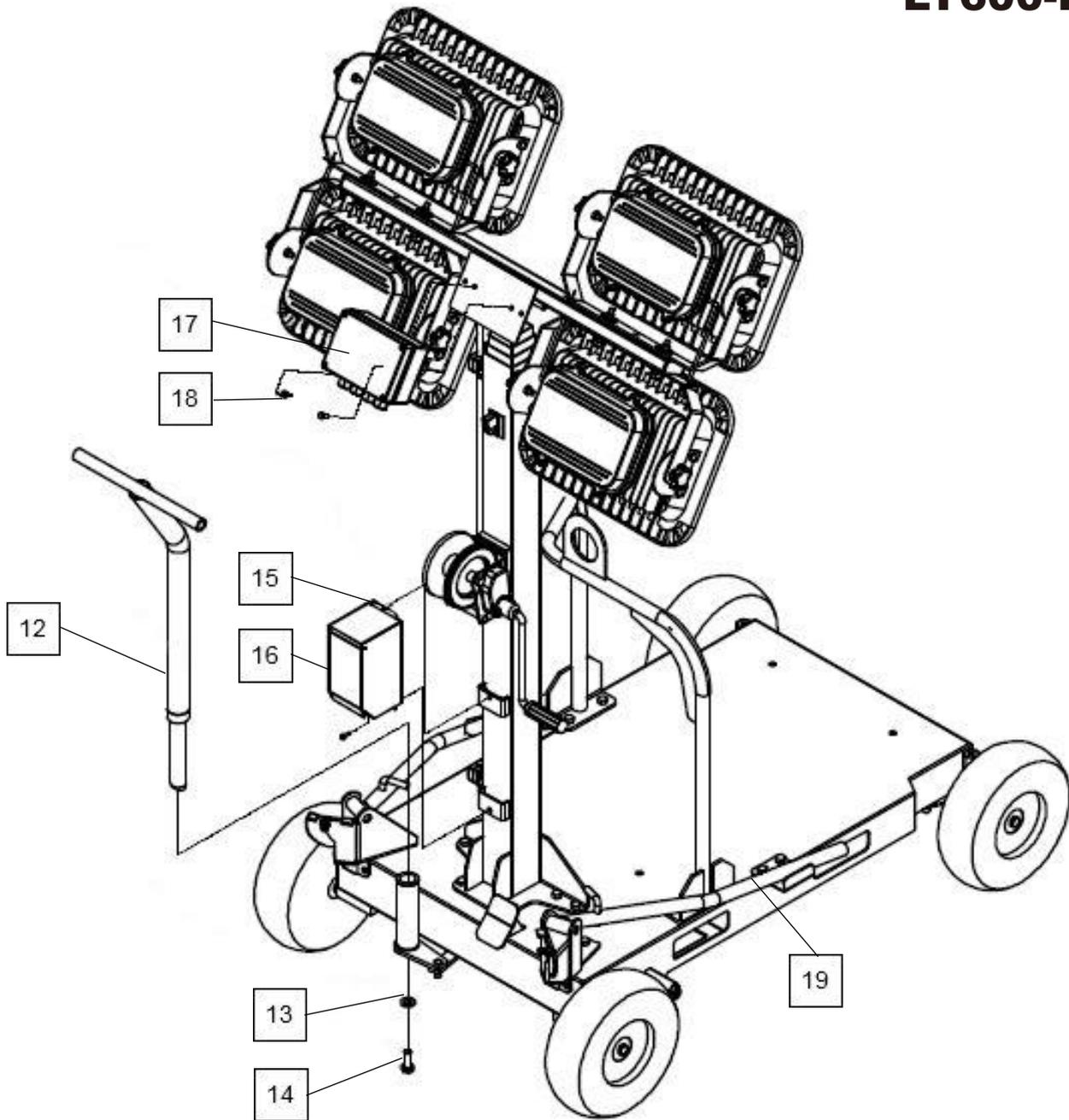


Item	Description	Quantity
1	M10x25 Bolt	4
2	Ø10 Spring	4
3	Ø10 Washer	4
4	Lifting Beam	1
5	Chassis	1
6	Brake	1

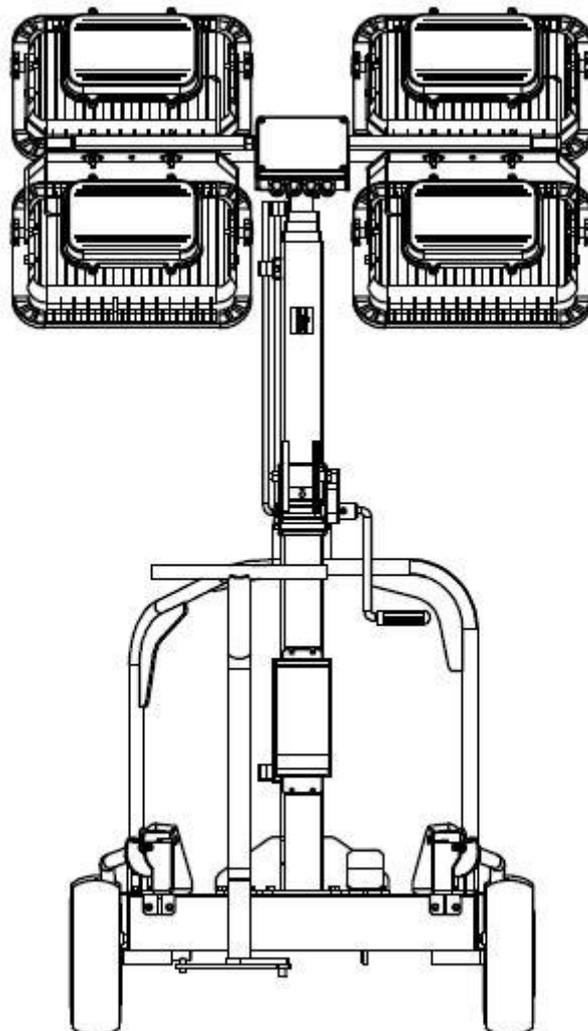
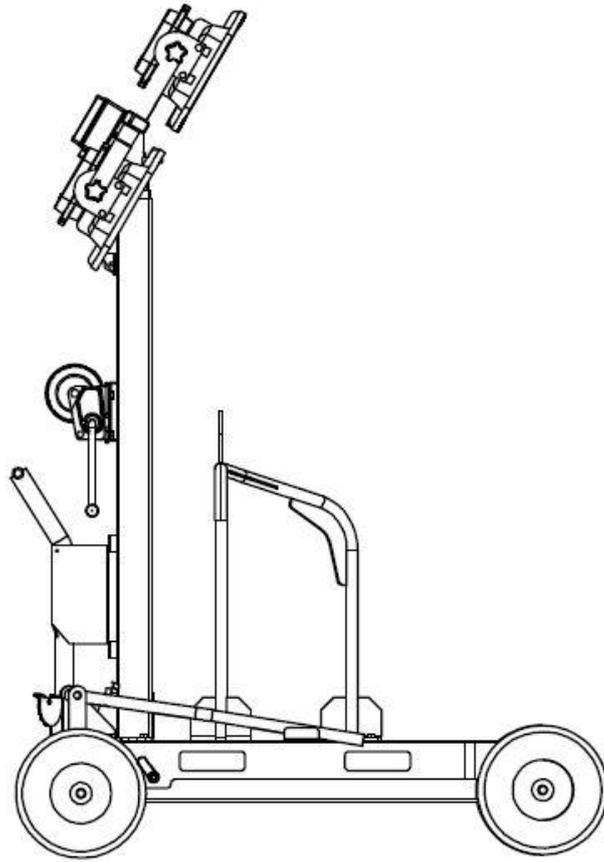
LT600-LED-I

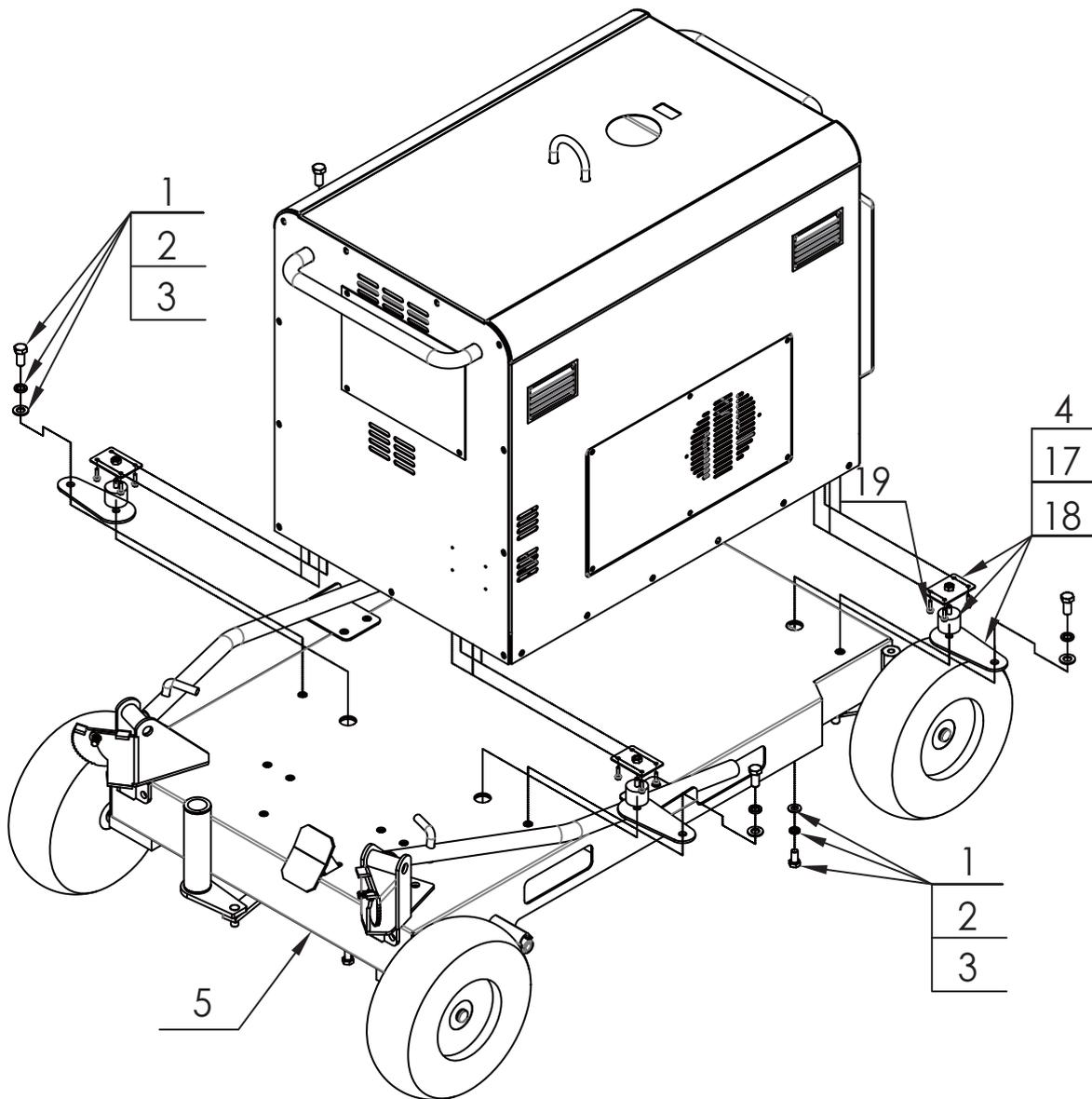


Item	Description	Quantity
7	LED Lamp	4
8	Mast	1
9	M10x30 Bolt	6
10	Ø10 Washer	6
11	Ø10 Spring	6



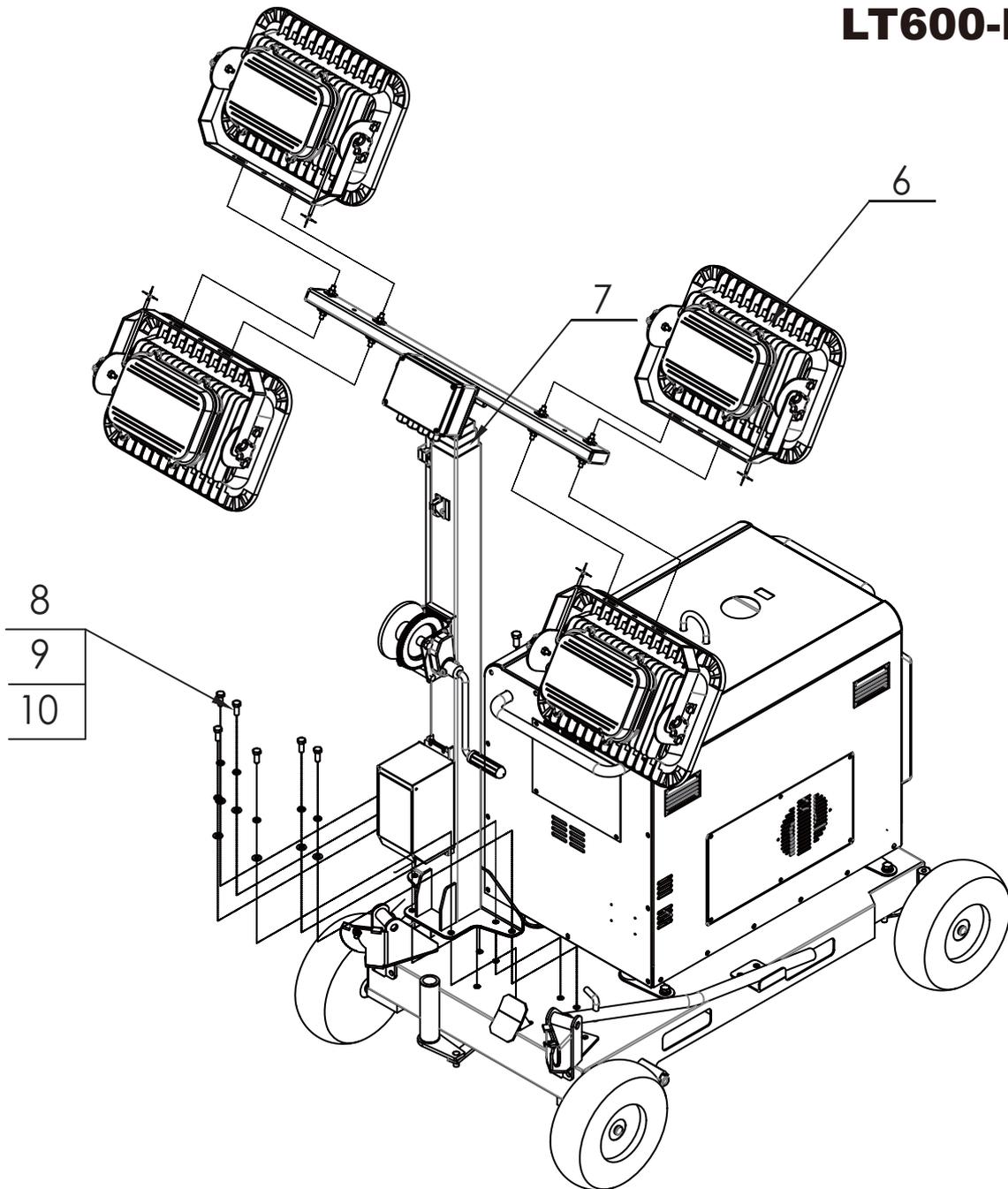
Item	Description	Quantity
12	Transport Handle	1
13	Ø12 Washer	1
14	M12x30 Bolt	1
15	M5x16 Flange Bolt	2
16	Circuit Breaker Box	1
17	Electrical Box for Lamps	1
18	M6x16 Flange Bolt	2
19	Stabilisers	1





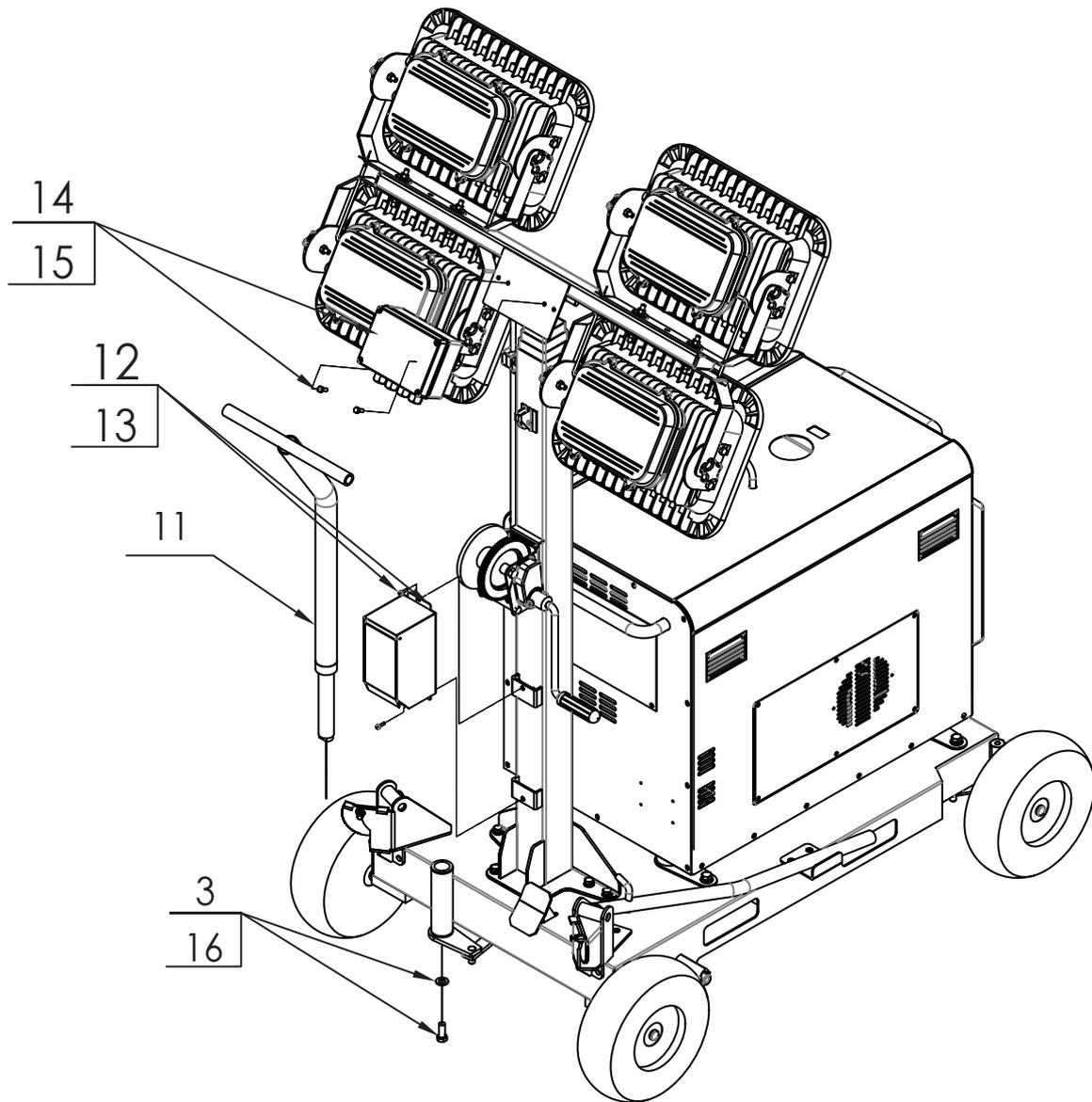
Item	Part NO.	Description	Qty
1	D500-W1	Bolt(M12*25)	8
2	D500-W2	Spring(Ā12)	8
3	D500-W3	Washer(Ā12)	8
4	D500-W4	Connection strap	4
5	D500-W5	Foundation support	1
17	D500-W6	Reinforcing plate	4
18	D500-W7	Cushion	4
19	D500-W8	Bolt(M6*25)	16

LT600-LED-D

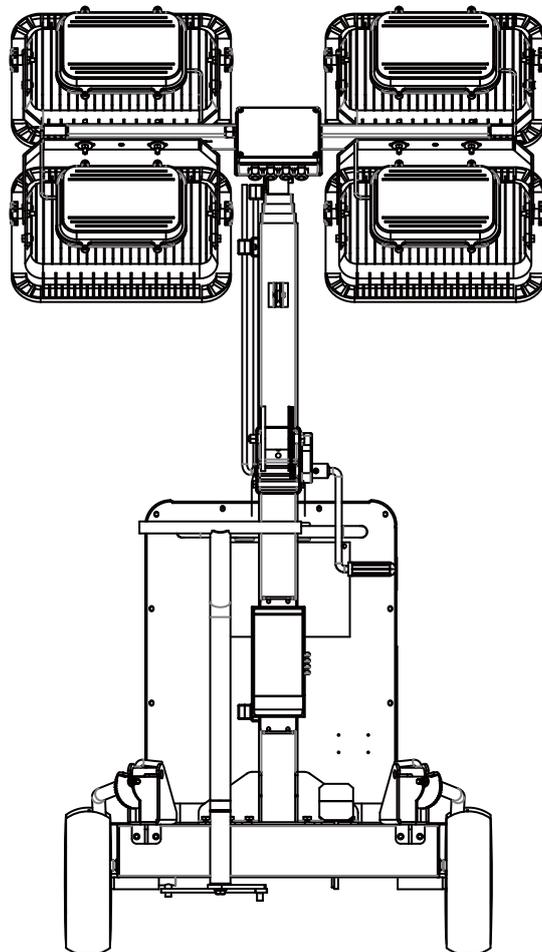
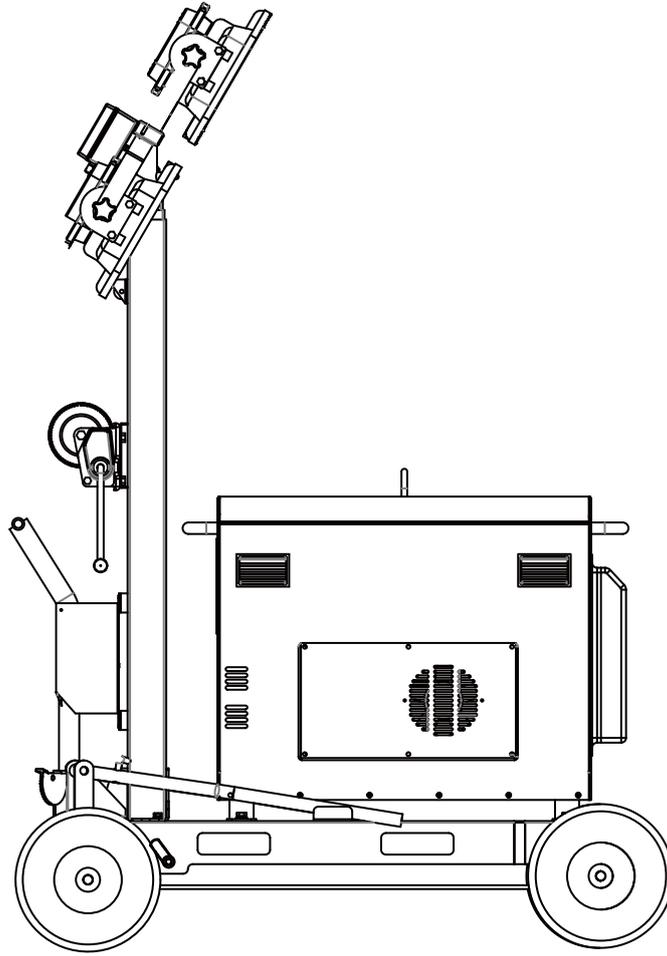


Item	Part NO.	Description	Qty
6	LT600(LED)-W6	LED Lamp	4
7	LT600(LED)-W7	Mast	1
8	D500-W8	Bolt(M10*25)	6
9	D500-W9	Washer(Å10)	6
10	D500-W10	Spring(Å10)	6

LT600-LED-D



Item	Part NO.	Description	Qty
11	D500-W11	Push rod	1
12	LT600(LED)-W12	Flange Bolt(M5*16)	2
13	LT600(LED)-W13	Circuit breaker box	1
14	LT600(LED)-W14	Electrical box for lamps	1
15	LT600(LED)-W15	Flange Bolt(M6*16)	2
3	D500-W3	Washer(φ12)	1
16	D500-W16	Bolt(M12*30)	1



3. STARTING PROCEDURE



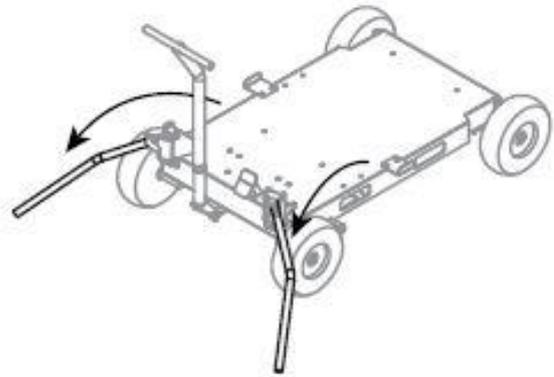
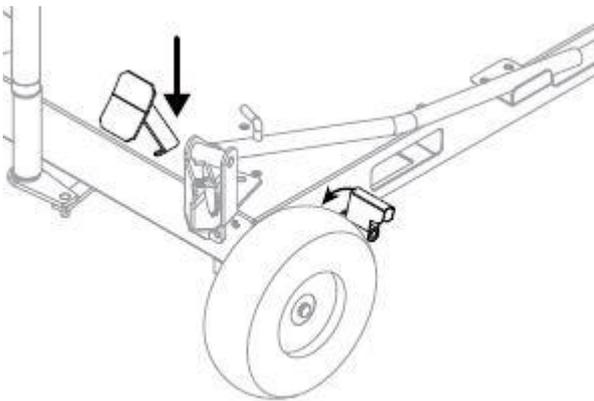
NOTE

The lighting tower should not be used if the wind speed is above 31mph (50kph).

Only use the lighting tower on firm, flat and level ground.

2.0 Place the lighting tower in the area where lighting is needed.

2.1 Press down the brake and open the stabilisers.

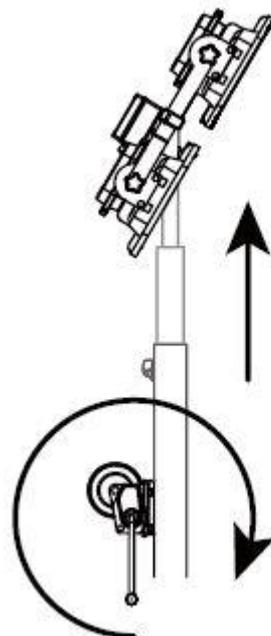
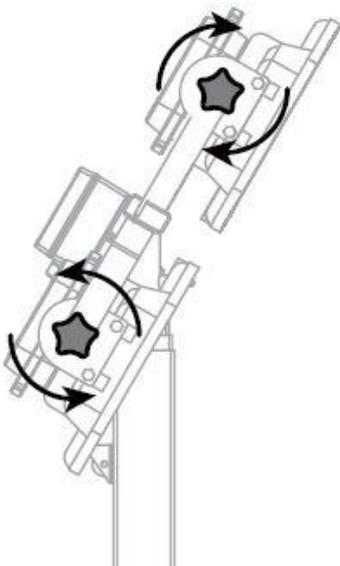


2.2 Adjust the angle of the LED lamps.

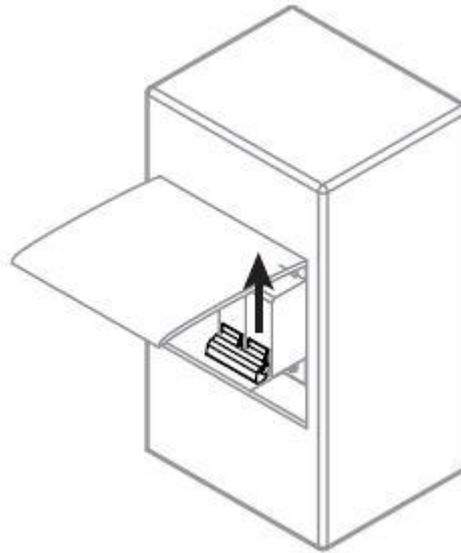
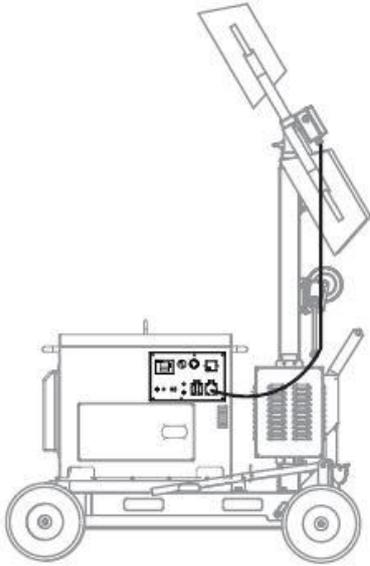
2.3 Rotate the mast handle clockwise.

When the mast reaches its maximum height, the safety lock pin will automatically lock the mast.

DO NOT shake the handle vigorously to avoid damaging the mast.

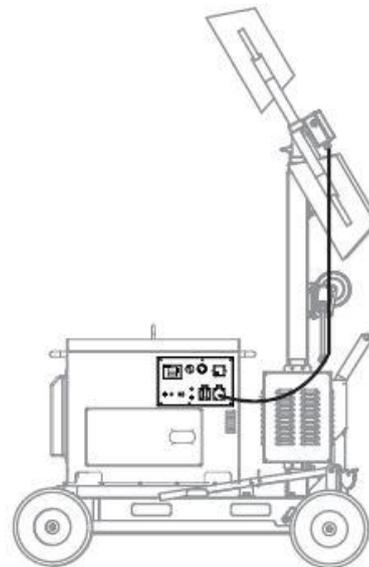
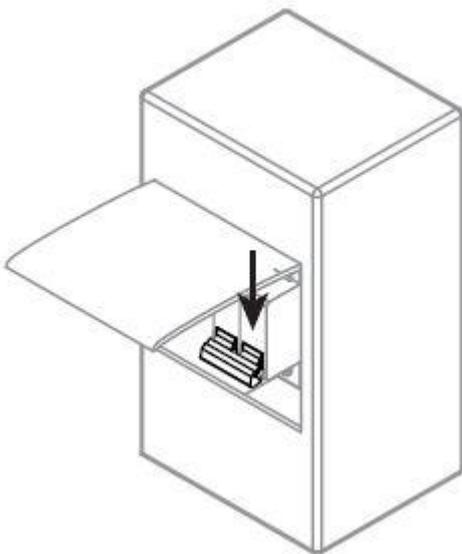


- 2.4 Connect the lighting tower plug to the generator and start the generator.
Or connect the plug to the main power.
- 2.5 Turn on the lighting power switch.

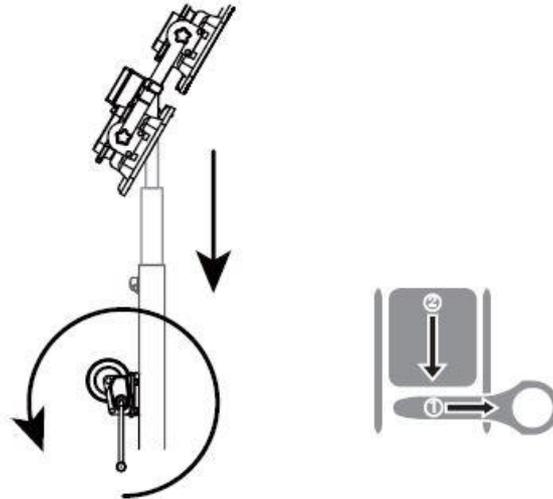


4. STOPPING PROCEDURE

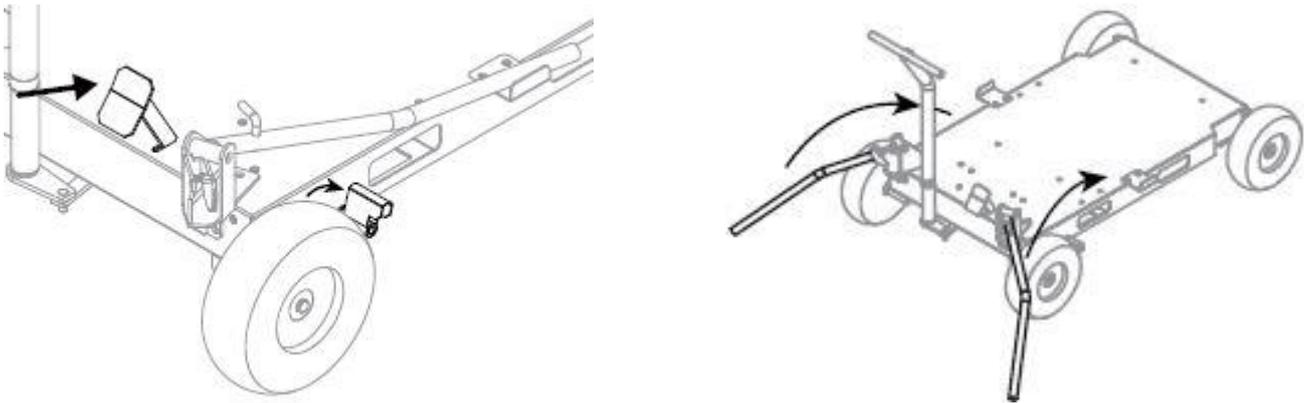
- 3.0 Turn off the lighting tower switch.
- 3.1 Allow the generator to idle under no load for 20 seconds and then turn off, or disconnect from the main power.



- 3.2 Pull out the safety lock pin and rotate the mast handle anti-clockwise until the mast is fully retracted.

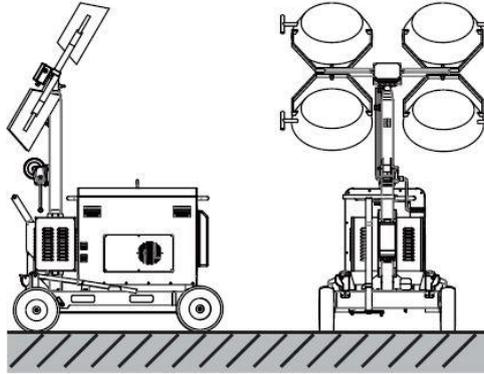


- 3.3 Close the stabilisers and press the brake downwards to release.

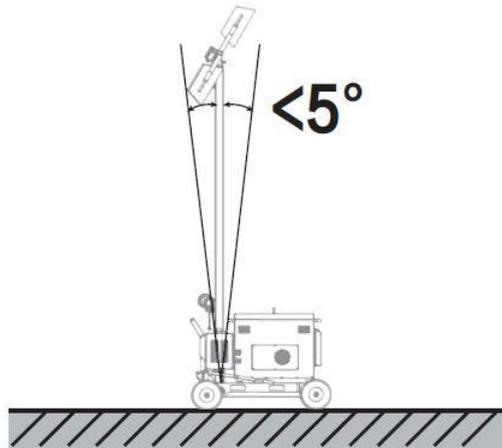


5. OPERATING INSTRUCTIONS

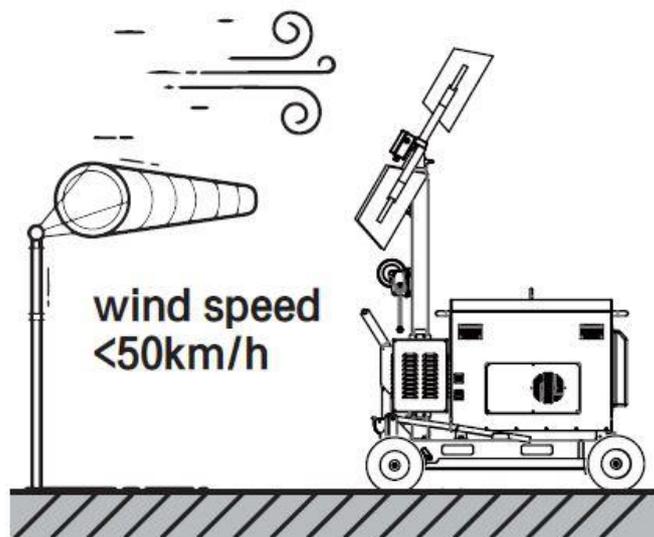
- 4.0 The lighting tower must be placed on firm, flat and level ground.

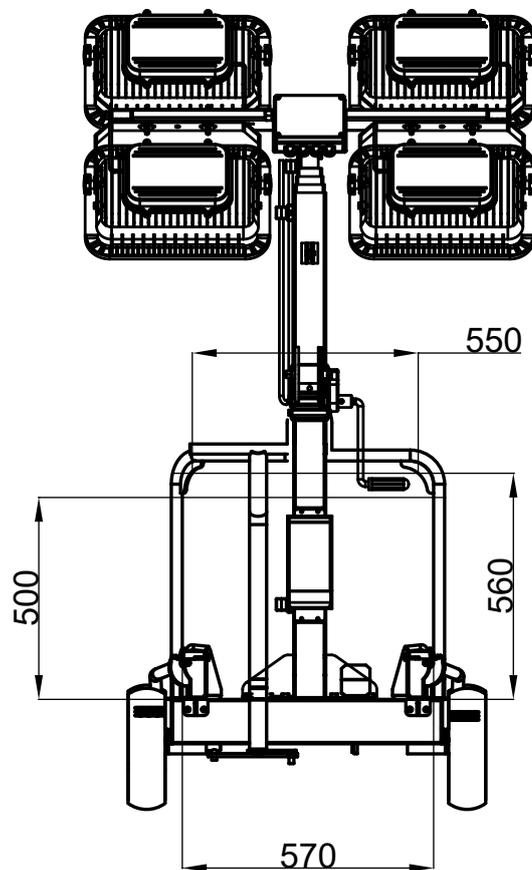
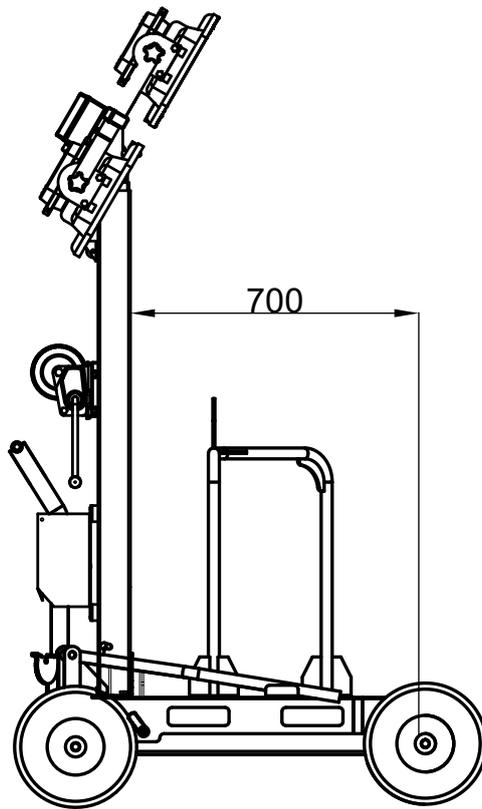


- 4.1 The vertical inclination between the lighting tower and the ground should not exceed more than 5 degrees.

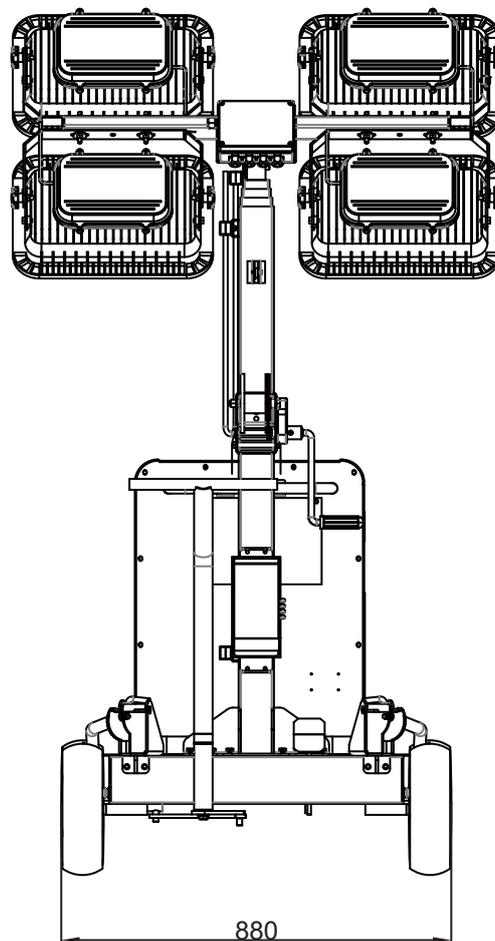
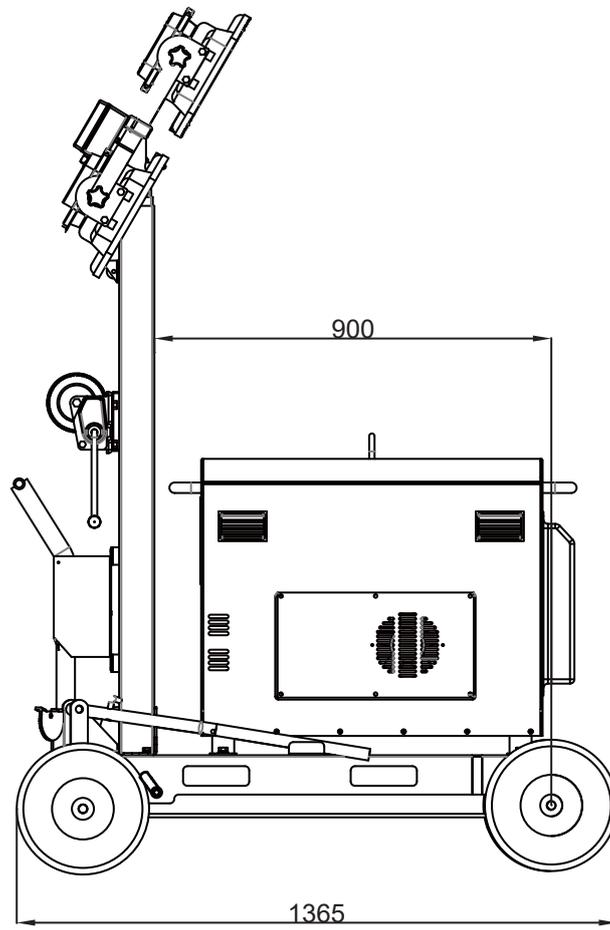


- 4.2 The wind speed should not exceed 31mph (50kmh).





LT600-LED-D



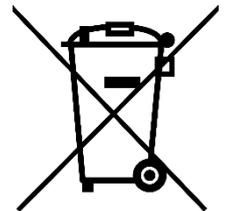
8. SPECIFICATION

Light Tower	
Model Number	LT600-LED-I
Light Coverage	720m ²
Lamps	LED
Lamp Wattage	4x150w
Life Expectancy	30000hrs
Mast	Vertical Manual
Sound Pressure Level	62 dB(A)
Max Height	5m
New weight	115Kg
Dimensions (L x W x H)	1170 x 880 x 1950mm (mast down)
Generator Compatibility	
Generator Type	Petrol Generators
Rated Frequency	50Hz
Rated Voltage	230VAC
Recommended Rated Power	2.5kVA
Maximum Generator Dimensions (LxWxH)	700 x 550 x 560mm or 700 x 570 x 500mm

Light Tower	
Model Number	LT600-LED-D
Light Coverage	720m ²
Lamps	LED
Lamp Wattage	4x150w
Life Expectancy	30000hrs
Mast	Vertical Manual
Sound Pressure Level	62 dB(A)
Max Height	5m
New weight	115Kg
Dimensions (L x W x H)	1370 x 880 x 1950mm (mast down)
Generator Compatibility	
Generator Type	Diesel Generators
Rated Frequency	50Hz
Rated Voltage	230VAC
Recommended Rated Power	4.5kVA
Maximum Generator Dimensions (LxWxH)	900x570x900 mm

9. RECYCLING & PRODUCT DISPOSAL

- 5.0 We do not offer a takeback scheme for the recovery of Waste Electrical Electronic Equipment (WEEE) & Batteries.
Instead the responsibility to dispose of WEEE and or Batteries is passed onto you by us.
So when it becomes necessary to dispose of your machine you must take it to your local Civic Amenity Site.
For further information please contact your local Authority for disposal advice.
- 5.1 You **MUST** make sure that all unused oil and fuel is disposed of correctly either beforehand or at your local Civic Amenity Site.
Under NO circumstances must any fuel or oil be put down any drains.
- 5.2 Certain products contain WEEE waste which should not be disposed of in your domestic waste.
- 5.3 You **MUST** recycle WEEE in accordance with your local authority or recycling centre.
- 5.4 Certain products contain batteries which should not be disposed of in your domestic waste.
- 5.5 You **MUST** recycle batteries in accordance with your local authority or recycling centre.
- 5.6 Unwanted packaging and materials should be stored and taken to a recycling centre so it can be disposed of in a manner which is compatible with the environment.
- 5.7 The following symbol means that you should 'Reduce – Reuse – Recycle'.
- 5.8 We are a Member of the VALPAK National Compliance Scheme and our registration number is **RM08660**
- 5.9 For further information about disposal please contact your Local Authority.
- 5.10 You can also get more advice and guidance about recycling at the following website <http://www.recycle-more.co.uk>
- 5.11 Should you pass this product on to another user either sold or loaned, you **MUST** pass on this user manual.
This will make sure that all other users can use and maintain this machine safely.



10. DECLARATION OF CONFORMITY

Genpower Ltd confirms that these Hyundai products conform to the following CE Directives.

2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility
EN 60598-1:2015+A1:2018
EN 60598-2-5:2015
EN 55015:2013

EC DECLARATION OF CONFORMITY

The undersigned. As authorised by: **Genpower Ltd**
Declares that the following equipment manufactured under licence by Hyundai Korea

Conforms to the Directive:-
2000/14/EC (as amended)

Of the European Parliament and of the council on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for the use outdoors.

Equipment Category: **Construction Equipment**

Product Name/Model: **LT600-LED-I**

Type/Serial No: **LED Lighting Tower**

Net installed power: **150w**

The technical documentation is kept by: **Roland Llewellyn, Genpower Ltd
Isaac Way, Pembroke Dock,
Pembrokeshire, SA72 4RW.**

The conformity assessment procedure followed was in accordance with annex V of the Directive.

Notified Body: **Sede Leggala e Uffci
Via Donatori sangue 9
46024 Moglia (MN)
Cert No: IT1203ITC27111808**

Measured Sound Power Level: **62dB**

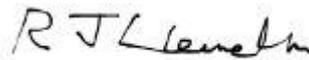
Guaranteed Sound Power Level: **62dB**

A copy of this certificate has been submitted to the European Commission and the EU Member State United Kingdom.

Place of Declaration: **Pembroke Dock, SA73 4RW**

Date: **29/09/2018**

Signed by: **Roland Llewellyn**



Position in Company: **Managing Director**

Name and address of manufacturer or Authorised representative:

**Genpower Ltd
Isaac Way, Pembroke Dock,
Pembrokeshire, SA72 4RW**

11. CONTACT DETAILS

6.0 POSTAL ADDRESS	Genpower Ltd, Isaac Way, London Road, Pembroke Dock, Pembrokeshire. SA72 4RW. UK.
6.1 TELEPHONE	+44 (0) 1646 687880
6.2 FAX	+44 (0) 0164 686198
6.3 TECHNICAL EMAIL	aftersales@genpower.co.uk
6.4 WEBSITE	www.evopower.co.uk

12. WARRANTY

To register your product for the Manufacturer's Warranty, please email:

aftersales@genpower.co.uk

13. MANUAL UPDATES

- 7.0 Our manuals are constantly being reviewed and updated. However if you find an error, omission or something you find unclear, please contact your dealer for assistance.
- 7.1 Our latest manuals are also placed online.
- 7.2 We reserve the right to make any modifications without prior notice whenever necessary.



GENPOWER LTD

Isaac Way, Pembroke Dock
Pembrokeshire, UK SA72 4RW

T: +44 (0) 1646 687 880

F: +44 (0) 1646 686 198