



# BASELIGHT 420X

## USER MANUAL

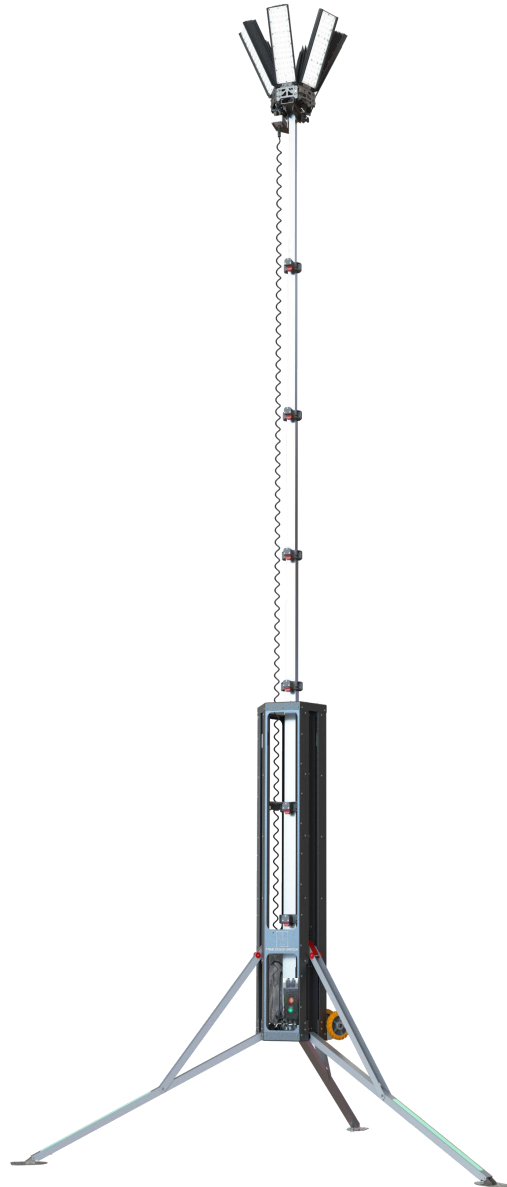


**PRIME**  
DESIGN SWEDEN AB

# Welcome!



Read this carefully before operation for your safety!



Thank you for choosing Baselight! We hope that this product will help boost your productivity. Don't hesitate to contact your preferred supplier or Prime Design Sweden if you have any questions!

**Prime Design Sweden AB**

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Support: [support@primde-design.se](mailto:support@primde-design.se)

[www.baselight.se](http://www.baselight.se)



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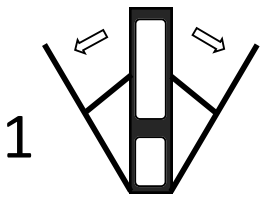


**Read this carefully before operation to avoid personal injury or void warranty.**

Baselight 420X is a mobile lighting equipment intended for temporary illumination where high lumen output in combination with low weight and minimal power consumption is required. Baselight is designed to protect the operator as much as possible and all important safety functions are in red color. It is however a requirement that the operator understand the limitations of this equipment by reading this manual.

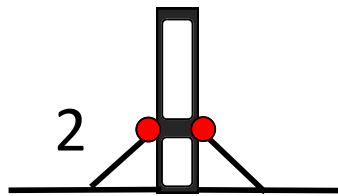
- Never cover the armature when switched on.
- Deploy the legs and secure their locking before the armature and mast is raised.
- Never switch on power before armature is outside the chassi.
- Make sure that Baselight is properly secured to the ground.
- Make sure that Baselight stands level on ground before the mast is raised.
- Make sure that Baselight is secured to the ground on slippery surfaces (snow, mud etc).
- Never try to adjust the leg angle when the mast is raised.
- Never use high pressure water to clean/rinse Baselight. Use garden hose pressure only.
- Always use electrical connections with protective earth and ground fault switch.
- Never try to open electrical junction boxes. Dangerous voltage inside!
- Never hold out the red locking handles when raising the mast.
- Never use chemical substances to clean Baselight.
- Never put any extra weight/equipment on mast or armature.
- Make sure each section locks (click sound) when raising mast.
- Never drop the mast onto lock bellow. Slide downwards gently.
- The light source in this product is based on light emitting diodes (LED). Avoid looking into the light source as this may affect your eyesight.

# OPERATION OVERVIEW



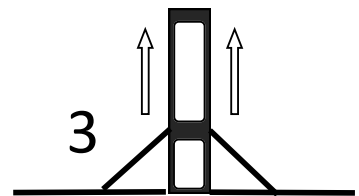
1

Extend all three legs to the ground.



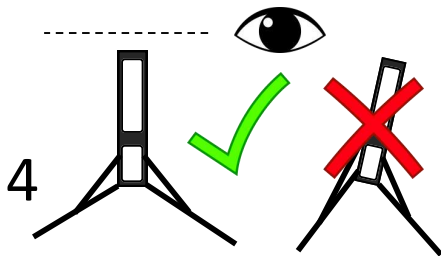
2

Engage locking lever in up position on all three legs (See chapter "Leg operation")



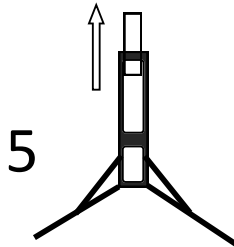
3

Raise box until it stands up. Self locking



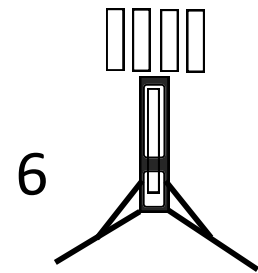
4

Adjust leg angles if necessary so that Baselight stands straight and level (See chapter "Leg operation")



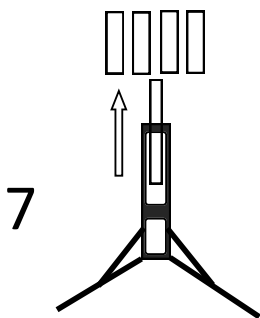
5

Press red lever inside chassi to eject armature out of chassi.



6

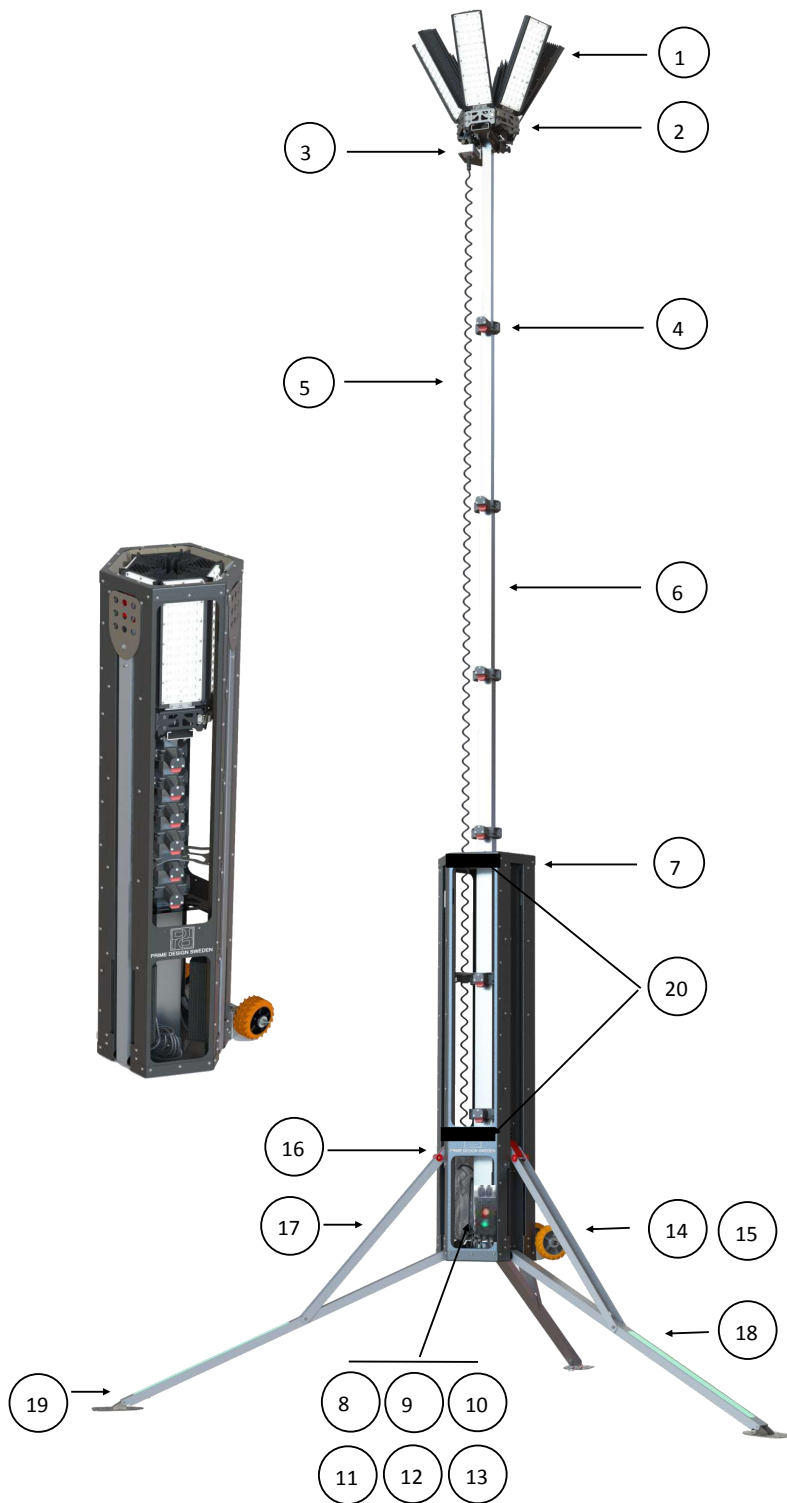
Chose armature configuration. (See chapter "Armature configuration")



7

Raise mast to desired height. (See chapter "Mast operation")

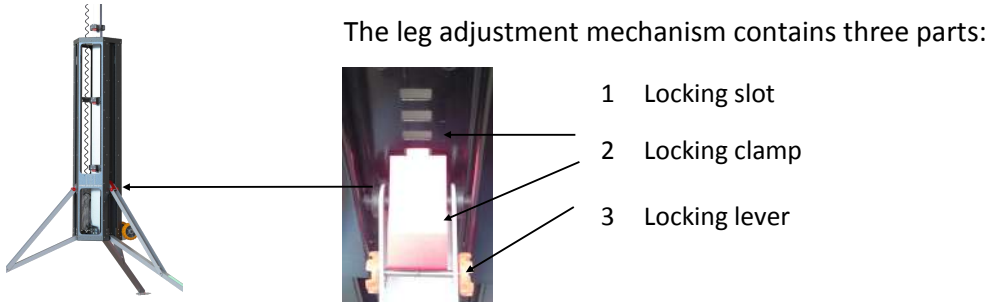
# COMPONENT DIAGRAM



- 1 Armature
- 2 Armature platform
- 3 Armature junction box
- 4 Mast lock x6
- 5 Spiral cable
- 6 Mast
- 7 Chassi
- 8 Mains junction box
- 9 Dimmer
- 10 Power switch
- 11 Power extension outlet
- 12 Power cord
- 13 Power supply x 2
- 14 Wheels
- 15 Wheels assembly
- 16 Leg lock
- 17 Support leg
- 18 Main leg
- 19 Surface shoe
- 20 Handle x2

# LEG OPERATION

Baselight have three support legs that can be individually adjusted to compensate for uneven terrain. The goal for the operator is to ensure that Baselight chassi always stand straight (level) **BEFORE** rising the mast.



## How to secure legs before rising chassi

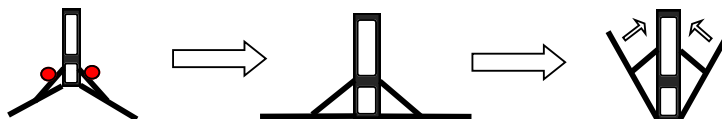


When the **locking lever** is in its top position the self locking mechanism is engaged. Baselight will now self lock when chassi is raised. The operator must determine if Baselight chassi is standing straight (level) after being raised from ground and adjust if necessary. Failure to check horizontal level can lead to more friction when raising mast. Picture shows locking lever in locked position (lever up)

Locked



## How to unsecure legs before lowering chassi



Always make sure that Baselight armature is stoved inside the chassi before proceeding with this step!

Release the locking lever by bringing it to the down position on all three legs. The self locking mechanism is now deactivated and the Baselight chassi can now be raised from the ground a few centimetres and the locking clamps will now leave the locking slots. It is now possible to lower the chassi to the ground. Picture shows locking lever in unlocked position (lever down).

Unlocked



**CAUTION!** Never try to adjust leg angles after the mast is extended. Always lower the mast before making adjustments.



# MAST OPERATION



**CATION!** Baselight contains a self locking telescopic mast. To avoid personal injury or damage to Baselight these procedures must be followed!

Before extending the mast the armature must be ejected from the casing and the preferred light configuration selected (360 or 180, for example). Ejection of armature is done by pressing the red lever placed under armature on the chassi wall.



## TO EXTEND THE MAST

1. Make sure that the support legs have been extended and locked and that the chassi is raised from ground and in a level position. See chapter "Leg operation".
2. When raising a mast section place one hand on the telescopic pole and the other hand on the lock below to hold it in place while lifting the section above. Start with the top section and repeat for each section below.
3. Raise each section up until the lock engages with a click sound. Make sure it is locked by moving the section up and down before releasing grip. Failure to do so could cause the section to fall down and damage the lock below.

Now it is time to chose a configuration of light. See chapter "Light configuration"



## TO LOWER THE MAST

1. Always start by lowering the bottom section first and then the one above (and so on).
2. Place one hand around the lock and use the index finger to pull on the red grip while the other hand grips around the mast section and lift it upwards a centimetre. This will disengage the safety mechanism and make downwards movement of the section possible.
3. Keep the grip around the mast section (right hand in picture) and let it slide downwards slowly. Apply breaking if necessary. The section should never be allowed to drop onto the next section which could damage to the locking mechanism.
4. Before the last section is lowered the operator must configure the armature for stoving before pushing armature back into chassi.

# ARMATURE CONFIGURATION

## 360 Degree configurations

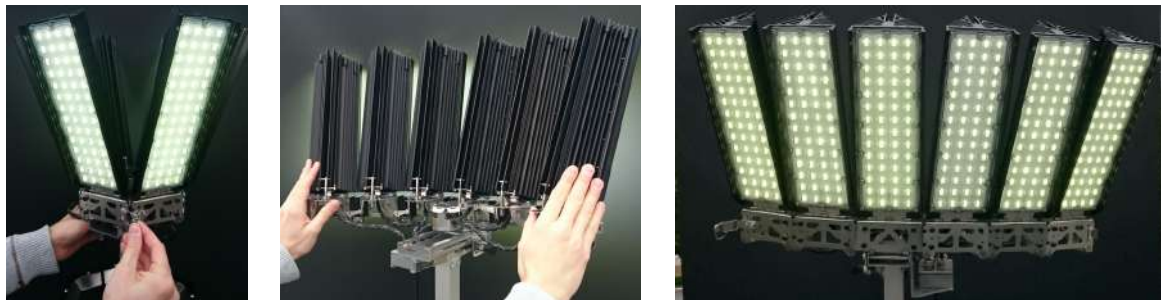
This type of configuration provides light in all direction (360 degree).



When used in a tilted mode make sure that the friction lock engages. The operator folds out the panels until they reach a stopping position with a distinct click sound (Friction lock engaged). This position ensures that wind cannot alter the angle.

## 180 Degree configurations

This type of configuration provides concentrated light in one direction (180 degree). Open the snap lock on the armature base and adjust the armature by pushing it out gently to a desired configuration.



## Mixed configuration

As the name implies this is a mix of tilted and straight armatures or armatures being in any configuration between open or closed. Note that a straight standing armature will project light at a further distance while a tilted one will direct light onto the ground more effectively.





## BALLAST ACCESSORY

The ballast accessory is used to stabilize Baselight in heavy wind. This eliminates the need of support lines in winds over 20 m/s. With this accessory properly applied the wind resistance is  $>30$  m/s.

Attach the ballast sheet as show in the picture. It can then be filled with gravel, sand or water. Fill it 2/3 or about 20KG as a maximum. The operator must determine a suitable amount depending on the expected wind velocity by observing the movement of the mast and the unit as a whole.

Test the correct amount by trying to move Baselight sideways after filling up. Swaying of mast and armature is normal but the legs should not leave the surface.



# MAINTENANCE

Baselight is designed for minimal maintenance and use in remote locations. It is a key feature of the product to require little or no maintenance. The recommended maintenance is as follows:

Before every usage the operator must:

## Check electrical wires for damage.

This relates to:

- Main power cable & plug
- Extension cable & plug
- Armature cables
- Spiral cable



Any damaged found on these items require immediate service. Do not proceed with operations until fault is removed.

Every year:

## Lubrication of the telescopic mast.

Each year the inside of the mast sections should be lubricated with silicon spray. This is a simple procedure that involves the following steps:

1. Lift each mast section (one at a time) while holding out the red lock until part of the mast locking hole is visible above the lock itself.
2. Spray silicon inside for about 3 seconds.
3. Release red lock and slide mast section down.
4. Repeat procedure for every mast section.

# TECHNICAL DATA

Wind resistance without ballast.....	Up to 20 m/s
Wind resistance with ballast.....	Up to 30 m/s
Luminous flux.....	50.000 Lumen
Light source lifetime.....	50.000 Hours
Working temperature.....	-30 to + 45 Deg C
Operating voltage.....	90 to 305 VAC/50Hz
Power connector.....	CEE or Schuko
Colour temperature.....	6000 Kelvin (Bright Daylight)
Power consumption.....	15 to 420 Watt (Dimmable)
IP Rating.....	IP67
Weight.....	35Kg(77lb)
Fully extended height.....	4.7 Meters (16 feet)
Transport dimensions.....	1200mm x 280mm
Certification.....	CE

