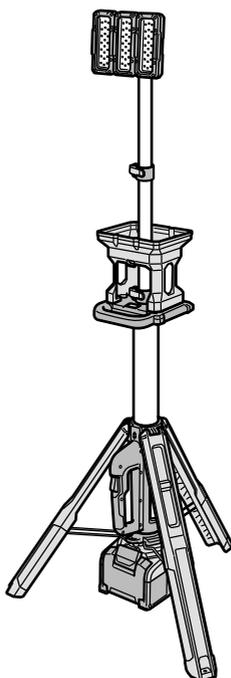
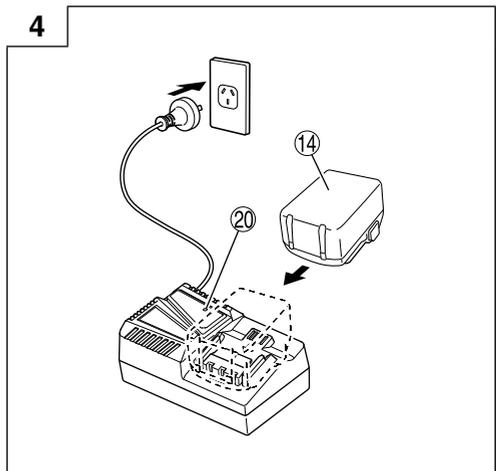
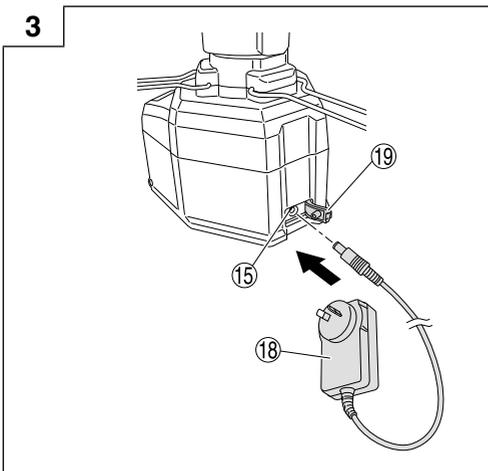
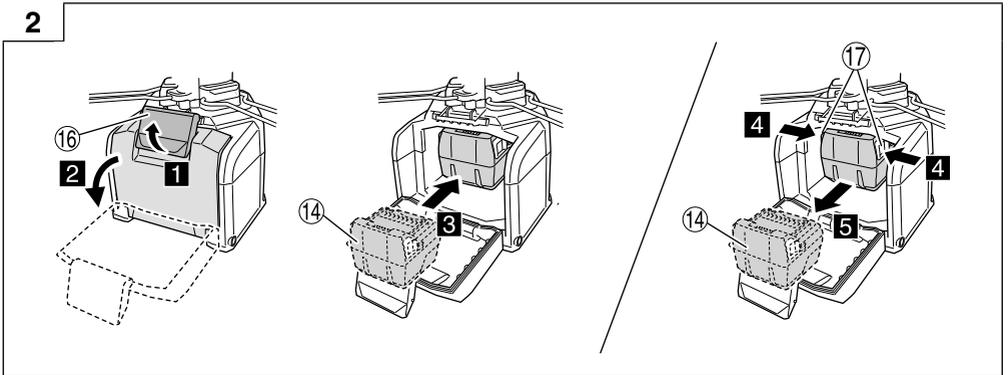
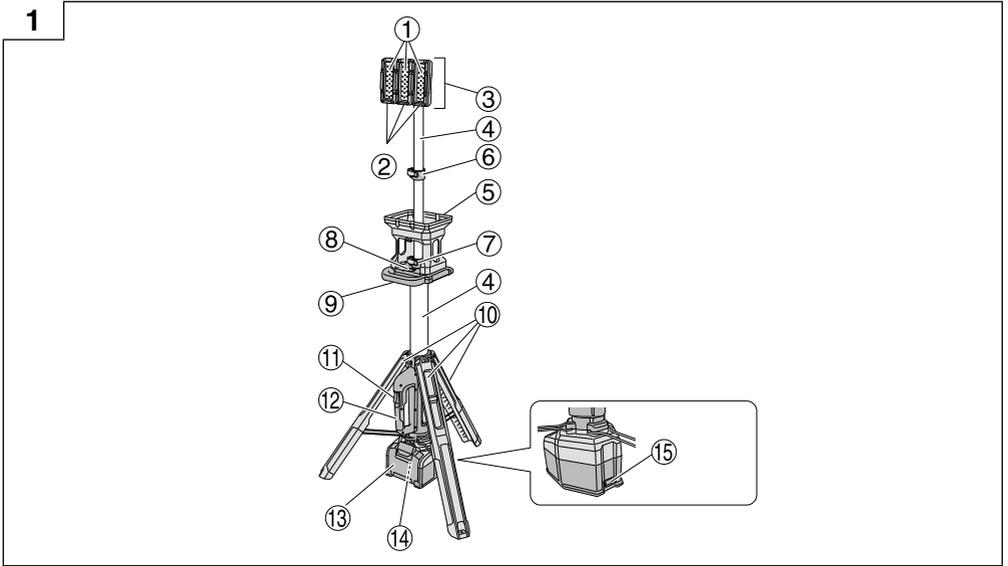


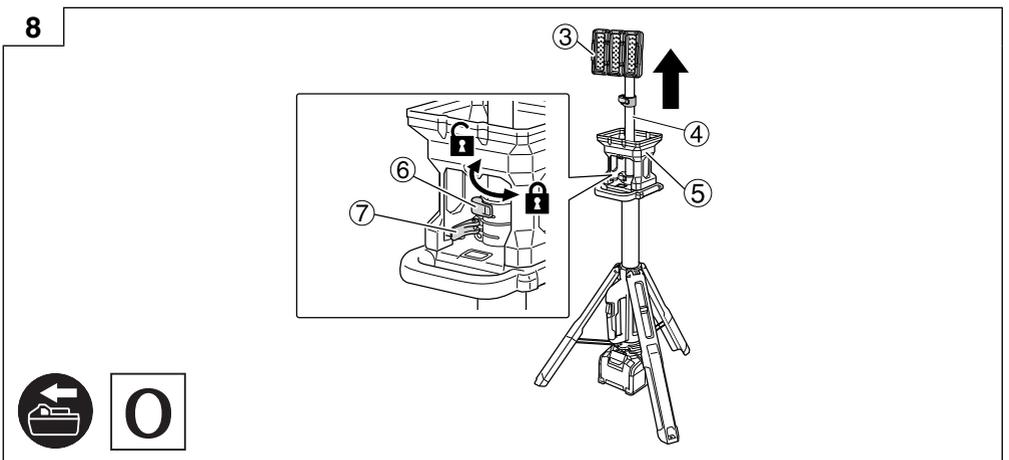
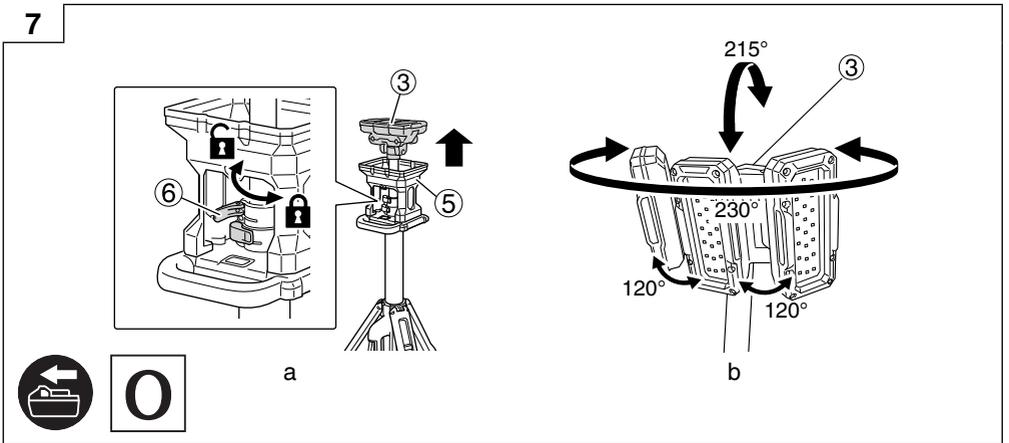
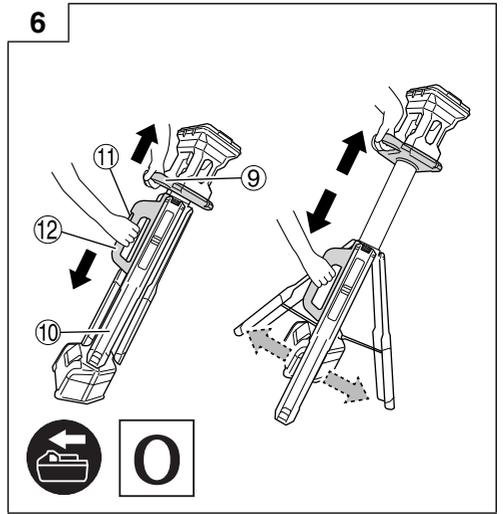
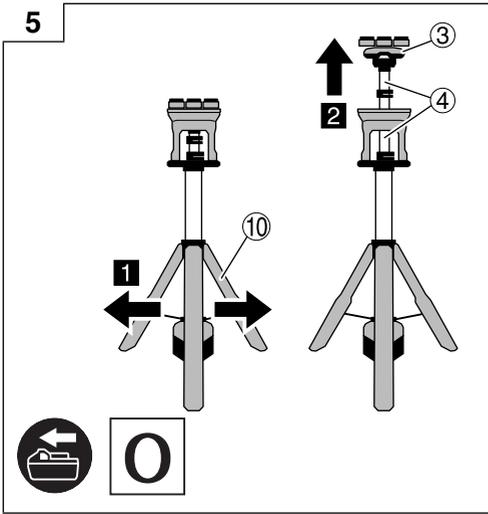
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UB 18DG

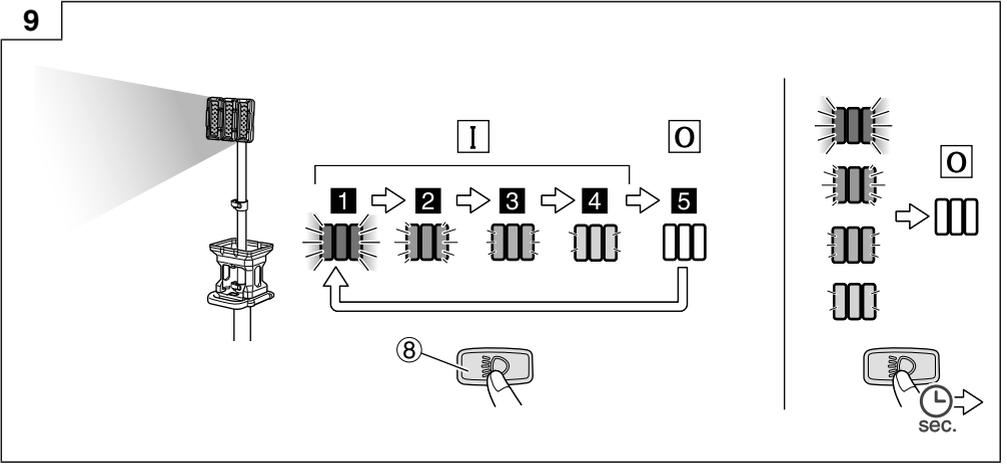


Handling instructions

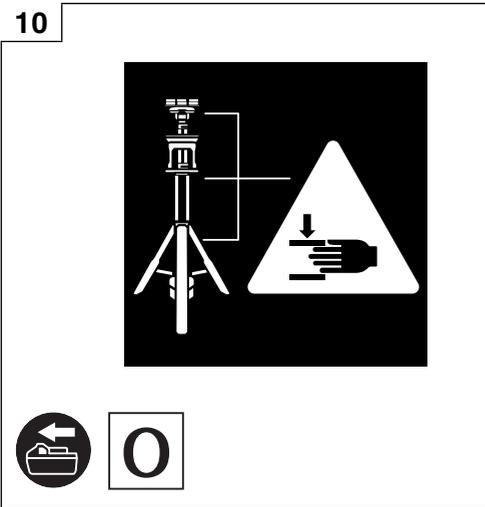




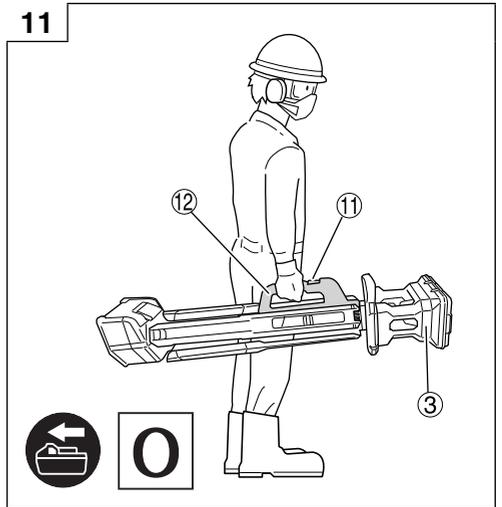
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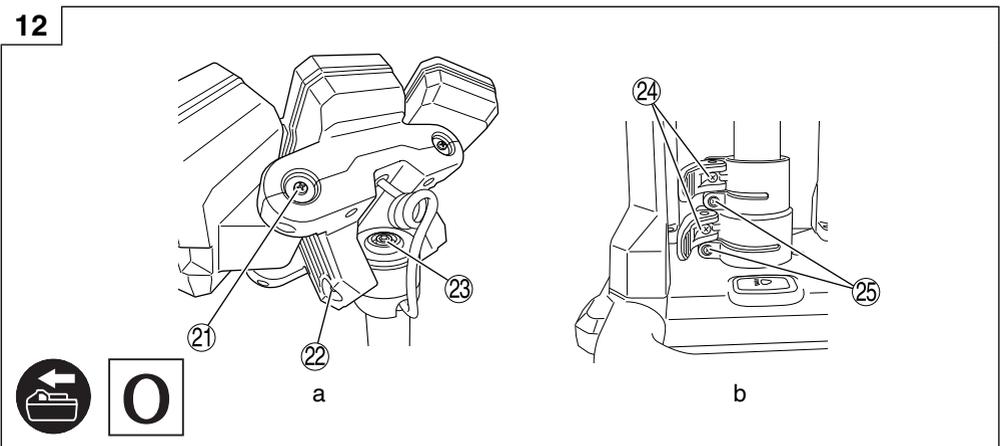
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11



12



CORDLESS TRIPOD LIGHT SAFETY WARNINGS

⚠ WARNING

Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

- 1. Use only the LED driver that is included with this product.**
Additionally, this LED driver is only for use with this product. Do not use this LED driver with other products.
- 2. Use only the specified power supply voltage.**
 - Use of any other voltage may lead to fire or electric shock.
- 3. Avoid damaging the LED driver.**
 - Do not modify, forcibly bend, twist or pull the cord, place heavy objects on it or place it near heating appliances.
 - When not in use, remove the power plug (LED driver) from the electric socket and from the tripod light. Failure to do so may lead to electric shock or fire.
- 4. Do not touch the power plug (LED driver) with wet hands.**
 - Doing so may result in electric shock.
- 5. Insert the power plug (LED driver) securely as far as it will go.**
 - Dust or dirt between the power plug and the electric socket may lead to fire. Remove the power plug periodically and wipe off any dust or dirt with a dry cloth.
- 6. Use only as described in this manual. Use only manufacturer's recommended attachments.**
- 7. Do not use a tripod light in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**
- 8. Do not use the tripod light in wet or damp places or in the rain.**
 - Doing so may result in electric shock, emission of smoke or malfunction.
- 9. Do not disassemble or modify the tripod light.**
 - Doing so may result in electric shock or fire. Inspections and repairs should be performed by the store where purchased or by a HiKOKI power tool service center.
- 10. Do not let any unspecified objects or water get inside the tripod light body.**
 - If any metal or flammable object or water gets inside the battery cover, the AC socket rubber cover and the USB port rubber cover, it may lead to electric shock or fire.
- 11. Be careful of electrical shock.**
- 12. When not using the tripod light, or when preparing, storing, or transporting it, be sure to turn off the switch on the unit, and detach the LED driver and battery.**
- 13. Do not cover the tripod light with cloth, cardboards or other materials when the light is on.**
- 14. When the light is turned on, do not look directly into it, point it at people or animals, or aim it toward the eyes.**
- 15. The lens will remain at a high temperature when lit and immediately after use, so do not touch it.**
- 16. Do not use, leave, or store the tripod light in the rain or in humid places.**
- 17. Do not leave the tripod light in a car or the like that tends to be exposed to be searching heat of the sun (above 50°C). Otherwise, troubles can result.**
- 18. Do not leave the tripod light unattended while it is turned on.**

- 19. Do not use the tripod in strong winds.**
- 20. When working in a high location, ensure that there are no people below, Take the necessary precautions depending on the usage environment to prevent the tripod from toppling or falling.**
- 21. Do not use the tripod light if the lens is damaged or detached.**
- 22. Have your tripod light serviced by a qualified repair person using only identical replacement parts.**
 - This will ensure that the safety of the tripod light is maintained.
- 23. Use the tripod light only with specifically designated rechargeable battery.**
 - Use of any other rechargeable battery may create a risk of injury and fire.
- 24. Recharge only with the charger specified by the manufacturer.**
 - A charger that is suitable for one type of rechargeable battery may create a risk of fire when used with another battery.
- 25. When rechargeable battery is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.**
 - Shorting the battery terminals together may cause burns or a fire.
- 26. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.**
 - Liquid ejected from the battery may cause irritation or burns.
- 27. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.**
- 28. If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.**
- 29. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.**
- 30. The tripod light shall not be disposed of as unsorted municipal waste.**

ADDITIONAL SAFETY WARNINGS

- 1. Always charge the battery at a temperature of 0°C–40°C.**
A temperature of less than 0°C will result in over charging which is dangerous. The battery cannot be charged at a temperature higher than 40°C.
The most suitable temperature for charging is that of 20°C–25°C.
- 2. Do not use the charger continuously.**
When one charging is completed, leave the charger for about 15 minutes before the next charging of battery.
- 3. Do not allow foreign matter to enter the hole for connecting the rechargeable battery.**
- 4. Never disassemble the rechargeable battery and charger.**
- 5. Never short-circuit the rechargeable battery.**
Shortcircuiting the battery will cause a great electric current and overheat. It results in burn or damage to the battery.
- 6. Do not dispose of the battery in fire.** If the battery is burnt, it may explode.
- 7. Bring the battery to the shop from which it was purchased as soon as the post-charging battery life becomes too short for practical use. Do not dispose of the exhausted battery.**

8. Do not insert object into the air ventilation slots of the charger. Inserting metal objects or inflammables into the charger air ventilation slots will result in electrical shock hazard or damaged charger.
9. Make sure that the battery is installed firmly. If it is at all loose it could come off and cause an accident.
10. Do not use the product if the tool or the battery terminals (battery mount) are deformed. Installing the battery could cause a short circuit that could result in smoke emission or ignition.
11. Keep the tool's terminals (battery mount) free of dust.
 - Prior to use, make sure that dust have not collected in the area of the terminals.
 - During use, try to avoid dust on the tool from falling on the battery.
 - When suspending operation or after use, do not leave the tool in an area where it may be exposed to falling dust.
12. Always use the tool and battery at temperatures between -5°C and 40°C.
9. If there is battery leakage, foul odor, heat generated, discolored or deformed, or in any way appears abnormal during use, recharging or storage, immediately remove it from the equipment or battery charger, and stop use.
10. Do not immerse the battery or allow any fluids to flow inside. Conductive liquid ingress, such as water, can cause damage resulting in fire or explosion. Store your battery in a cool, dry place, away from combustible and flammable items. Corrosive gas atmospheres must be avoided.

CAUTION

1. If liquid leaking from the battery gets into your eyes, do not rub your eyes and wash them well with fresh clean water such as tap water and contact a doctor immediately. If left untreated, the liquid may cause eye-problems.
2. If liquid leaks onto your skin or clothes, wash well with clean water such as tap water immediately. There is a possibility that this can cause skin irritation.
3. If you find rust, foul odor, overheating, discolor, deformation, and/or other irregularities when using the battery for the first time, do not use and return it to your supplier or vendor.

CAUTION ON LITHIUM-ION BATTERY

To extend the lifetime, the lithium-ion battery equips with the protection function to stop the output.

In the cases of 1 to 3 described below, when using this product, even if the switch is turned ON, the tripod light may not turn on. This is not the trouble but the result of protection function.

1. When the remaining battery power runs out, the tripod light turns off . In such a case, charge it up immediately.
2. If the tool is overloaded, the tripod light may turn off . In this case, release the switch of tool and eliminate causes of overloading. After that, you can use it again.
3. If the battery is overheated under overload work, the battery power may stop. In this case, stop using the battery and let the battery cool. After that, you can use it again.

Furthermore, please heed the following warning and caution.

WARNING

In order to prevent any battery leakage, heat generation, smoke emission, explosion and ignition beforehand, please be sure to heed the following precautions.

1. Make sure that swarf and dust do not collect on the battery.
 - During work make sure that swarf and dust do not fall on the battery.
 - Make sure that any swarf and dust falling on the tool during work do not collect on the battery.
 - Do not store an unused battery in a location exposed to swarf and dust.
 - Before storing a battery, remove any swarf and dust that may adhere to it and do not store it together with metal parts (screws, nails, etc.).
2. Do not pierce battery with a sharp object such as a nail, strike with a hammer, step on, throw or subject the battery to severe physical shock.
3. Do not use an apparently damaged or deformed battery.
4. Do not use the battery for a purpose other than those specified.
5. If the battery charging fails to complete even when a specified recharging time has elapsed, immediately stop further recharging.
6. Do not put or subject the battery to high temperatures or high pressure such as into a microwave oven, dryer, or high pressure container.
7. Keep away from fire immediately when leakage or foul odor are detected.
8. Do not use in a location where strong static electricity generates.

WARNING

If a conductive foreign matter enters in the terminal of lithium ion battery, the battery may be shorted, causing fire. When storing the lithium ion battery, obey surely the rules of following contents.

- Do not place conductive debris, nail and wires such as iron wire and copper wire in the storage case.
- To prevent shorting from occurring, load the battery in the tool or insert securely the battery cover for storing until the ventilator is not seen.

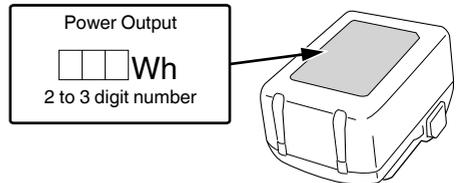
REGARDING LITHIUM-ION BATTERY TRANSPORTATION

When transporting a lithium-ion battery, please observe the following precautions.

WARNING

Notify the transporting company that a package contains a lithium-ion battery, inform the company of its power output and follow the instructions of the transportation company when arranging transport.

- Lithium-ion batteries that exceed a power output of 100 Wh are considered to be in the freight classification of Dangerous Goods and will require special application procedures.
- For transportation abroad, you must comply with international law and the rules and regulations of the destination country.



PRECAUTIONS REGARDING THE DUST-RESISTANCE AND WATER-PROOFING FUNCTIONS

This product conforms to IP55 protection class ratings (dust-resistance and water-proofing) for electrical equipment as stipulated by the international IEC regulations.

IP55 protection applies to the tool body alone when the battery cover and LED driver (AC adapter) terminal rubber cover are closed. IP20 protection applies when the LED driver is used.

[Descriptions of IP Codes]

IPxx

	5	Protection rating for water penetration Water sprayed from any direction shall have no harmful effect (water spray proof)
	0	No protection

	5	Protection rating for external assault by solid objects The presence of a small amount of dust will not affect normal operations (dust-resistant).
	2	Protection against the ingress of solid foreign objects with a diameter of 12.5 mm or greater.

The equipment has been designed to withstand the effects of dust and water, but there is no guarantee that it will not malfunction. Do not use or leave the equipment in locations where it is subject to excessive amounts of dust, or in locations where it is submerged in water or subject to rainwater.

NAMES OF PARTS (Fig. 1–Fig. 11)

①	Lens	⑭	Battery (sold separately)
②	Front cover	⑮	AC adapter terminal
③	LED unit	⑯	Clump lever
④	Extension pole	⑰	Latch
⑤	Storage cover	⑱	LED driver (AC adapter)
⑥	Locking lever (A)	⑲	Rubber cover
⑦	Locking lever (B)	⑳	Pilot lamp
⑧	Switch	㉑	Screws (x2 each top and bottom) (individual light angle adjustment)
⑨	Top handle	㉒	Screws (x2) (vertical angle adjustment)
⑩	Leg	㉓	Hex socket head screw (horizontal angle adjustment)
⑪	Leg opening lever	㉔	Locking lever upper screws
⑫	Carrying handle	㉕	Locking lever lower screws (Adjust when tightening the upper screws is insufficient)
⑬	Battery cover		

SYMBOLS

WARNING

The following show symbols used for the machine. Be sure that you understand their meaning before use.

	UB18DG : Cordless Tripod Light
	To reduce the risk of injury, user must read instruction manual.
	Direct current
	Alternating current
	Do not look directly at the LED light while it is lit.
	Disconnect the battery
	Switching ON
	Switching OFF
	Lock
	Unlock
	Warning
V	volts
A	amperes
Hz	hertz
W	watts
IPXX	IP symbol
	Keep the light and the object being illuminated at least 0.2 m apart.

ta	ambient temperature
	Class III tool

	Be sure to open the legs before extending the pole.
	Be careful not to pinch your hands or fingers in the sliding parts during operation.

CHARGING

Before using the tool, charge the battery as follows.

1. Connect the charger's power cord to the receptacle.

When connecting the plug of the charger to a receptacle, the pilot lamp will blink in red (At 1-second intervals).

2. Insert the battery into the charger.

Firmly insert the battery into the charger as shown in Fig. 4.

3. Charging

When inserting a battery in the charger, charging will commence and the pilot lamp will light continuously in red.

When the battery becomes fully recharged, the pilot lamp will blink in red. (At 1-second intervals) (See Table 1)

● Pilot lamp indication

The indications of the pilot lamp will be as shown in Table 1, according to the condition of the charger or the rechargeable battery.

Table 1

Indications of the pilot lamp (RED)		
Before charging	Lights on for 0.5 seconds and off for 0.5 seconds (Blinks) 	Plugged into power source
While charging	Lights continuously (Lights) 	—
Charging complete	Lights on for 0.5 seconds and off for 0.5 seconds (Blinks) 	—
Overheat standby	Lights on for 1 second and off for 0.5 seconds (Blinks) 	Battery overheated. Unable to charge. (Charging will commence when battery cools)
Charging impossible	Lights on for 0.1 seconds and off for 0.1 seconds (Flickers) 	Malfunction in the battery or the charger

APPLICATIONS

Illumination of work site

SPECIFICATIONS

Model		UB18DG	
Voltage		18 V	
LED (white)		×66	
Brightness adjustment range		1000 lm, 2000 lm, 3000 lm, 4000 lm	
Operating time, approx. (Using full charged battery)*	Max (4000 lm)	3.0 Ah: 1.5 hours 5.0 Ah: 2.5 hours 8.0 Ah: 4.0 hours	
	High (3000 lm)	3.0 Ah: 2.1 hours 5.0 Ah: 3.5 hours 8.0 Ah: 5.6 hours	
	Mid (2000 lm)	3.0 Ah: 3.3 hours 5.0 Ah: 5.5 hours 8.0 Ah: 8.8 hours	
	Low (1000 lm)	3.0 Ah: 6.3 hours 5.0 Ah: 10.5 hours 8.0 Ah: 16.8 hours	
Exterior dimensions	Extended	H 2150 mm × L 630 mm × W 720 mm	
	Retracted	H 1035 mm × L 222 mm × W 210 mm	
Weight		8.1 kg (without battery and LED driver)	

* The operating times shown are reference values only. The actual time varies depending on the charging state of the battery, the usage conditions, etc. For the BSL36A18, refer to the 5.0 Ah figures; for the BSL36B18, refer to the 8.0 Ah figures.

NOTE

Due to HiKOKI's continuing program of research and development, the specifications herein are subject to change without prior notice.

STANDARD ACCESSORIES

In addition to the main unit (1 unit), the package contains the accessories listed on page 11.

Standard accessories are subject to change without notice.

- Regarding the temperatures and charging time of the battery. The temperatures and charging time will become as shown in **Table 2**.

Table 2

Battery		Charger	UC18YFSL
Charging voltage		V	14.4–18
Weight		kg	0.5
Temperatures at which the battery can be recharged			0°C–50°C
Charging time for battery capacity, approx. (At 20°C)			
1.5 Ah	min		22
2.0 Ah	min		30
2.5 Ah	min		35
3.0 Ah	min		45
4.0 Ah	min		60
5.0 Ah	min		75
6.0 Ah	min		90
8.0 Ah	min		120
Number of battery cells			4–10

NOTE

The recharging time may vary according to temperature and power source voltage.

CAUTION

When the battery charger has been continuously used, the battery charger will be heated, thus constituting the cause of the failures. Once the charging has been completed, give 15 minutes rest until the next charging.

4. Disconnect the charger's power cord from the receptacle.

5. Hold the charger firmly and pull out the battery.

NOTE

Be sure to pull out the battery from the charger after use, and then keep it.

Regarding electric discharge in case of new batteries, etc.

As the internal chemical substance of new batteries and batteries that have not been used for an extended period is not activated, the electric discharge might be low when using them the first and second time. This is a temporary phenomenon, and normal time required for recharging will be restored by recharging the batteries 2–3 times.

How to make the batteries perform longer.

- (1) Recharge the batteries before they become completely exhausted. When you feel that the power of the tool becomes weaker, stop using the tool and recharge its battery. If you continue to use the tool and exhaust the electric current, the battery may be damaged and its life will become shorter.
- (2) Avoid recharging at high temperatures. A rechargeable battery will be hot immediately after use. If such a battery is recharged immediately after use, its internal chemical substance will deteriorate, and the battery life will be shortened. Leave the battery and recharge it after it has cooled for a while.

CAUTION

- If the battery is charged while it is heated because it has been left for a long time in a location subject to direct sunlight or because the battery has just been used, the pilot lamp of the charger lights for 1 second, does not light for 0.5 seconds (off for 0.5 seconds). In such a case, first let the battery cool, then start charging.
- When the pilot lamp flickers (at 0.2-second intervals), check for and take out any foreign objects in the charger's battery connector. If there are no foreign objects, it is probable that the battery or charger is malfunctioning. Take it to your authorized Service Center.

MOUNTING AND OPERATION

Action	Figure	Page
Removing and inserting the battery	2	2
Attaching the LED driver	3	2
Charging	4	2
Installing the tripod light*1	5	3
Opening and closing the legs*2	6	3
Adjusting the LED unit angle*3	7	3
Adjusting the LED unit height*4	8	3
Turning the light on*5	9	4
Precautions when retracting the tripod*6	10	4
Transporting the tripod*7	11	4
Adjusting the tripod light*8	12	5
Selecting accessories	—	11

*1 Installing the tripod light

WARNING

- Do not use in locations where the tripod may fall over.
- Be sure to open the legs before extending the pole.
- *2 Opening and closing the legs

WARNING

- Use the product with the legs spread completely and locked in position.
- Be careful not to pinch your hands or fingers in the sliding parts during operation.

*3 Adjusting the LED unit angle

- (1) Release the locking lever (A), raise the LED unit approximately 30 cm, then lock the locking lever (A) in place again. (**Fig. 7-a**) Now adjust the lens angle. (**Fig. 7-b**)
- (2) After adjusting the angle, release the locking lever (A), and raise the LED unit to the desired height. Once in the desired position, lock the locking lever (A) in place again. If the unit is too low, release the locking lever (B), and extend as necessary.

*4 Adjusting the LED unit height

WARNING

- Be careful not to pinch your hands or fingers in the sliding parts during operation.
- Be sure to keep the locking levers locked except when adjusting the height.
- To prevent injury, retract the pole when not in use.

NOTE

- Turn off the light before adjusting the LED unit angle.
- *5 Turning the light on When the battery level falls to 5% or lower, the light will flicker briefly every three minutes to alert the user. If this occurs, either replace the battery or connect the LED driver.

*6 Precautions when retracting the tripod

WARNING

- Be careful not to pinch your hands or fingers in the sliding parts during operation.

*7 Transporting the tripod

WARNING

When moving or transporting the tripod light:

- Turn off the switch, and detach the rechargeable battery and LED driver from the tripod light.
- Place the LED unit back inside its storage cover.
- Secure the locking levers (A) and (B).
- Fold up the tripod.
- Close the battery cover.

*8 If the sliding parts become loose with use, adjust by retightening the screws.

If the upper screw alone is not sufficient to retighten, adjust the lower screw. (Fig. 12-b)

Important notice on the batteries for the HiKOKI cordless tools

Please always use one of our designated genuine batteries. We cannot guarantee the safety and performance of our cordless tool when used with batteries other than these designated by us, or when the battery is disassembled and modified (such as disassembly and replacement of cells or other internal parts).

NOTE

Due to HiKOKI's continuing program of research and development, the specifications herein are subject to change without prior notice.

MAINTENANCE AND INSPECTION

WARNING

When not using the tripod light for a long time, or when performing maintenance on it, inspecting it, or storing it, be sure to turn OFF the switch and detach the LED driver and the battery.

1. Inspecting the mounting screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

2. Inspection of terminals (tool and battery)

Check to make sure that swarf and dust have not collected on the terminals.

On occasion check prior, during and after operation.

CAUTION

Remove any swarf or dust which may have collected on the terminals.

Failure to do so may result in malfunction.

3. Cleaning on the outside

When the cordless tripod light is stained, wipe with a soft dry cloth or a cloth moistened with soapy water. Do not use chloric solvents, gasoline or paint thinner, for they melt plastics.

4. Storage

Store the cordless tripod light and the battery in a place in which the temperature is less than 40°C and out of reach of children.

NOTE

Storing lithium-ion batteries.

Make sure the lithium-ion batteries have been fully charged before storing them.

Prolonged storage (3 months or more) of batteries with a low charge may result in performance deterioration, significantly reducing battery usage time or rendering the batteries incapable of holding a charge.

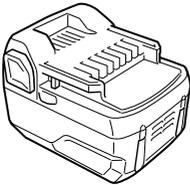
However, significantly reduced battery usage time may be recovered by repeatedly charging and using the batteries two to five times.

If the battery usage time is extremely short despite repeated charging and use, consider the batteries dead and purchase new batteries.

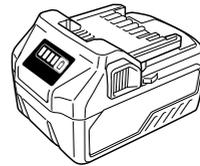
Standard accessories

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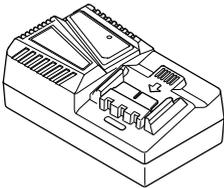
Selecting accessories



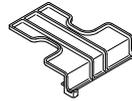
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UC18YFSL (14,4 V-18 V)



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