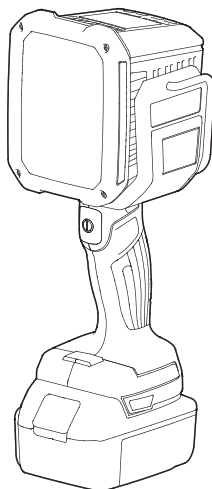


INSTRUCTION MANUAL

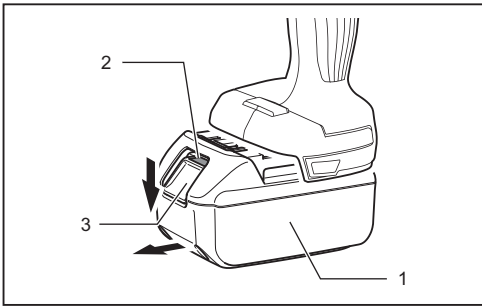


Cordless Flashlight

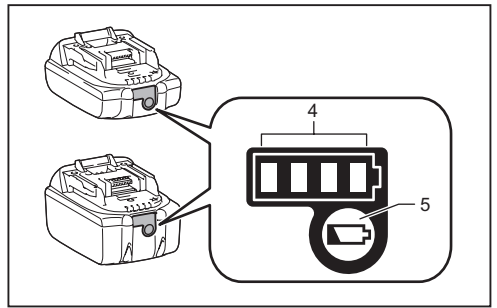
DML812



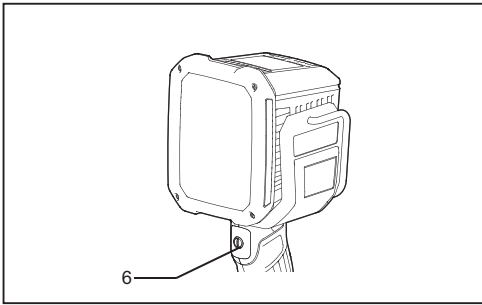
IMPORTANT: Read Before Using.



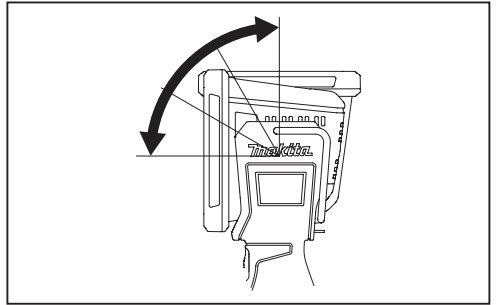
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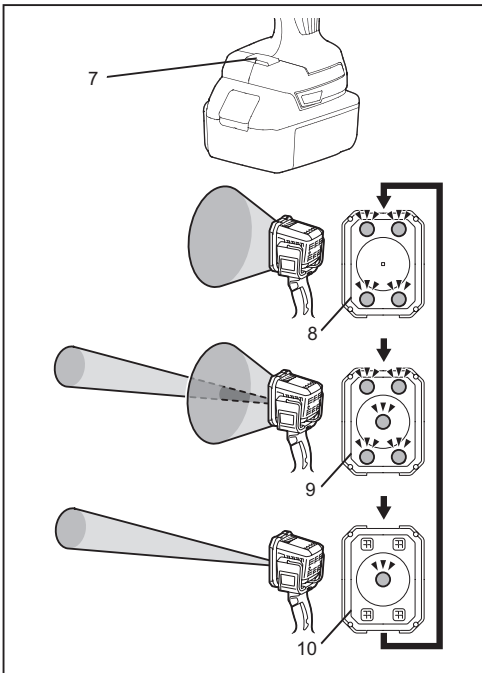
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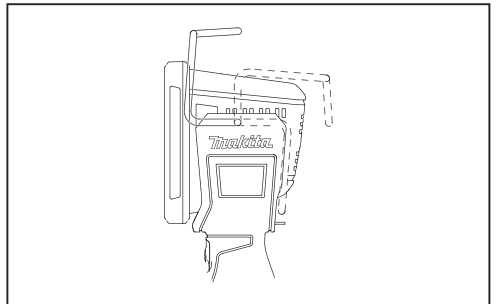
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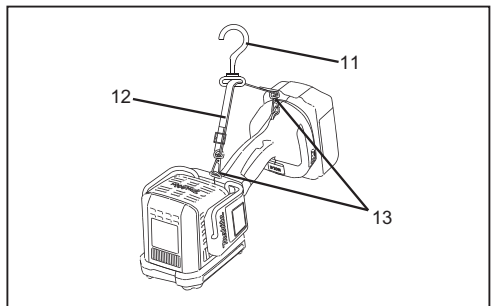
5



4



6



7

ENGLISH (Original instructions)

Explanation of general view

- | | | | |
|---------------------------|-----------------|----------------------|----------|
| 1. Battery cartridge | 5. Check button | 9. Spot + Flood mode | 13. Ring |
| 2. Red indicator | 6. Switch | 10. Spot mode | |
| 3. Battery release button | 7. MODE button | 11. Hook | |
| 4. Indicator lamps | 8. Flood mode | 12. Strap | |

SPECIFICATIONS

Model:	DML812
LED	Spot : 9W × 1 & Flood : 1 W × 16
Dimensions (L × W × H)	119 mm × 115 mm × 313 mm (4-11/16" × 4-1/2" × 12-3/8")
Rated voltage	D.C. 14.4 V/18 V
Net weight	1.2~1.6 kg (2.65~3.53 lbs)

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- The dimensions are with BL1860B and with the head facing upward.
- The weight may differ depending on the attachment(s), including the battery cartridge. The lightest and heaviest combination, according to EPTA-Procedure 01/2014, are shown in the table.

Applicable battery cartridge

BL1430B / BL1815N / BL1820B / BL1830 / BL1830B / BL1840B / BL1850B / BL1860B

- Some of the battery cartridges listed above may not be available depending on your region of residence.

⚠ WARNING: Only use the battery cartridges listed above. Use of any other battery cartridges may cause injury and/or fire.

Operating time

Battery cartridge	Operating time (Approximately)			
	Spot	Flood	Spot + Flood	Strobe
BL1430B	3.0 hours	2.4 hours	1.9 hours	2.7 hours
BL1815N	2.5 hours	1.9 hours	1.5 hours	2.2 hours
BL1820B	3.0 hours	2.6 hours	2.1 hours	2.9 hours
BL1830 / BL1830B	4.5 hours	3.5 hours	2.9 hours	4.0 hours
BL1840B	6.5 hours	5.0 hours	4.0 hours	5.5 hours
BL1850B	8.5 hours	6.5 hours	5.0 hours	7.0 hours
BL1860B	10 hours	7.5 hours	6.0 hours	8.5 hours

- The operating times in the above table are a rough guideline. They may differ from actual operating times.
- Operating times may differ depending on battery type, charging status, and usage condition.
- Battery cartridge may differ from country to country.

SAFETY WARNINGS

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING: When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

READ ALL INSTRUCTIONS.

1. Do not look into the light, or do not expose the light to eyes. Eyes may be damaged.
2. Do not cover or clog the lit tool with cloth or carton, etc. Covering or clogging it may cause a flame.
3. The tool is not waterproof. Do not use it in damp or wet locations. Do not expose it to rain or snow. Do not wash it in water.
4. Do not touch the inside of the flashlight head with tweezers, metal tools, etc.
5. Do not give the tool a shock by dropping, striking, etc.
6. When the tool is not in use, always switch off and remove the battery cartridge from the tool.
7. Battery tool use and care
 - Prevent unintentional starting. Ensure the switch is in the off position before connecting to battery pack, picking up or carrying the machine. Carrying the appliance with your finger on the switch or energizing appliance that have the switch on invites accidents.
 - Disconnect the battery pack from the appliance before making any adjustments, changing accessories, or storing machine. Such preventive safety measures reduce the risk of starting the appliance accidentally.
 - Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
 - Use appliance only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
 - When battery pack 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.
 - Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, seek medical help. Liquid ejected from the battery may cause irritation or burns.
 - Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.

- Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 130°C (265°F) may cause explosion.
- Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- Do not modify or attempt to repair the appliance or the battery pack except as indicated in the instructions for use and care.
- Do not dispose of the battery(ies) in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
- Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Do not charge battery in rain, or in wet locations.
- Do not handle charger, including charger plug, and charger terminals with wet hands.
- Do not charge the battery outdoors.

Important safety instructions for battery cartridge

1. Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
2. Do not disassemble battery cartridge.
3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.
5. Do not short the battery cartridge:
 - (1) Do not touch the terminals with any conductive material.
 - (2) Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
 - (3) Do not expose battery cartridge to water or rain.

A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
6. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 °C (122 °F).
7. Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.
8. Be careful not to drop or strike battery.
9. Do not use a damaged battery.

10. The contained lithium ion batteries are subject to the Dangerous Goods Legislation requirements.

For commercial transports e.g. by third parties, forwarding agents, special requirement on packaging and labeling must be observed.

For preparation of the item being shipped, consulting an expert for hazardous material is required.

Please also observe possibly more detailed national regulations.

Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging.

11. When disposing the battery cartridge, remove it from the tool and dispose of it in a safe place. Follow your local regulations relating to disposal of battery.

12. Use the batteries only with the products specified by Makita. Installing the batteries to non-compliant products may result in a fire, excessive heat, explosion, or leak of electrolyte.

13. If the tool is not used for a long period of time, the battery must be removed from the tool.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

SAVE THESE INSTRUCTIONS.

⚠ CAUTION: Only use genuine Makita batteries.

Use of non-genuine Makita batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury and damage. It will also void the Makita warranty for the Makita tool and charger.

Tips for maintaining maximum battery life

1. Charge the battery cartridge before completely discharged. Always stop tool operation and charge the battery cartridge when you notice less tool power.
2. Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
3. Charge the battery cartridge with room temperature at 10 °C - 40 °C (50 °F - 104 °F). Let a hot battery cartridge cool down before charging it.
4. Charge the battery cartridge if you do not use it for a long period (more than six months).

FCC caution

For United States

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ICES-005 standard

For Canada

CAN ICES-005(B)/NMB-005(B)

FUNCTIONAL DESCRIPTION

⚠ CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

Installing or removing battery cartridge (Fig. 1)

⚠ CAUTION: Always switch off the tool before removing of the battery cartridge.

⚠ CAUTION: Hold the tool and the battery cartridge firmly when installing or removing battery cartridge. Failure to hold the tool and the battery cartridge firmly may cause them to slip off your hands and result in damage to the tool and battery cartridge and a personal injury.

To remove the battery cartridge, slide it from the tool while sliding the button on the front of the cartridge. To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a little click. If you can see the red indicator on the upper side of the button, it is not locked completely.






















⚠ CAUTION: Always install the battery cartridge fully until the red indicator cannot be seen. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

⚠ CAUTION: Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

Indicating the remaining battery capacity (Fig. 2)

Only for battery cartridges with the indicator

Press the check button on the battery cartridge to indicate the remaining battery capacity. The indicator lamps light up for a few seconds.

Indicator lamps			Remaining capacity
Lighted	Off	Blinking	
			75% to 100%
			50% to 75%
			25% to 50%
			0% to 25%
			Charge the battery.
			The battery may have malfunctioned.
			

NOTE: Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

Lighting up the light (Fig. 3)

⚠ CAUTION: Do not look in the light or see the source of light directly.

Push the power button to light up the light. To turn off the light, push the power button again.

NOTE: The appliance turns on at the same mode as the last setting.

Selecting the mode

During the light is on, press the **MODE** button to cycle through **spot**, **flood** and **spot + flood** settings.

Turn on strobe lighting (Fig. 4)

Press and hold the **MODE** button until the appliance turns **strobe** mode. To turn off the **strobe** mode, simply press **MODE** button.

Battery protection system

The tool is equipped with the protection system, which automatically cuts off the output power for long service life. The light goes off during operation when the remaining battery capacity gets low. This is caused by the activation of the protection system and does not show trouble. Remove the battery cartridge from the tool and charge it.

Head angle (Fig. 5)

⚠ CAUTION: When changing the head angle, be careful not to pinch your fingers between the head and the tool body.

The head angle can be adjusted in 4 stages.

Hook (Fig. 6)

⚠ CAUTION: When raising the hook, be careful not to pinch your fingers between the hook and the tool body.

Shoulder Strap (Fig. 7)

The shoulder strap can be installed by clips at both ends.

MAINTENANCE

⚠ CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.

NOTICE: Never use gasoline, benzene, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

OPTIONAL ACCESSORIES

⚠ CAUTION: These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- Makita genuine battery and charger

NOTE: Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

MAKITA LIMITED WARRANTY

Please refer to the annexed warranty sheet for the most current warranty terms applicable to this product. If annexed warranty sheet is not available, refer to the warranty details set forth at below website for your respective country.

United States of America: www.makitatools.com

Canada: www.makita.ca

Other countries: www.makita.com

FRANÇAIS (Mode d'emploi original)

Explication de la vue générale

- | | | |
|--|---------------------------|---|
| 1. Cartouche de pile | 5. Bouton de vérification | 9. Mode Éclairage + Inondation-13. Anneau |
| 2. Voyant rouge | | |
| 3. Bouton de déverrouillage de la batterie | 6. Interrupteur | 10. Mode Éclairage |
| 4. Voyants lumineux | 7. Bouton MODE | 11. Crochet |
| | 8. Mode Inondation | 12. Sangle |

SPÉCIFICATIONS

Modèle :	DML812
DEL	Éclairage : 9 W × 1 et Inondation : 1 W × 16
Dimensions (L × L × H)	119 mm × 115 mm × 313 mm (4-11/16 po × 4-1/2 po × 12-3/8 po)
Tension nominale	C.c. 14,4 V/18 V
Poids net	1,2~1,6 kg (2,65~3,53 lb)

- En raison de notre programme de recherche et développement en continu, les spécifications ci-incluses peuvent être modifiées sans préavis.
- Les caractéristiques techniques peuvent varier d'un pays à l'autre.
- Les dimensions sont pour BL1860B et la tête vers le haut.
- Le poids peut varier en fonction de l'accessoire ou des accessoires, y compris la cartouche de pile. La combinaison la plus légère et la plus lourde, selon la procédure EPTA 01/2014, est indiquée dans le tableau.

Cartouche de pile applicable

BL1430B/BL1815N/BL1820B/BL1830/BL1830B/BL1840B/BL1850B/BL1860B

- Certaines des cartouches de pile énumérées ci-dessus peuvent ne pas être offertes dans votre région de résidence.

⚠ AVERTISSEMENT : N'utilisez que les cartouches de pile énumérées ci-dessus. L'utilisation de toute autre cartouche de pile peut provoquer des blessures ou un incendie.

Durée de fonctionnement

Cartouche de pile	Temps de fonctionnement (approximatif)			
	Éclairage	Inondation	Éclairage + Inondation	Strobe
BL1430B	3,0 heures	2,4 heures	1,9 heures	2,7 heures
BL1815N	2,5 heures	1,9 heures	1,5 heures	2,2 heures
BL1820B	3,0 heures	2,6 heures	2,1 heures	2,9 heures
BL1830 / BL1830B	4,5 heures	3,5 heures	2,9 heures	4,0 heures
BL1840B	6,5 heures	5,0 heures	4,0 heures	5,5 heures
BL1850B	8,5 heures	6,5 heures	5,0 heures	7,0 heures
BL1860B	10 heures	7,5 heures	6,0 heures	8,5 heures

- Les durées de fonctionnement indiquées dans le tableau ci-dessus sont données à titre indicatif. Elles peuvent différer des durées de fonctionnement réelles.
- Les durées de fonctionnement peuvent varier en fonction du type de pile, de l'état de la charge et des conditions d'utilisation.
- La cartouche de pile peut différer d'un pays à l'autre.

Makita Corporation

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