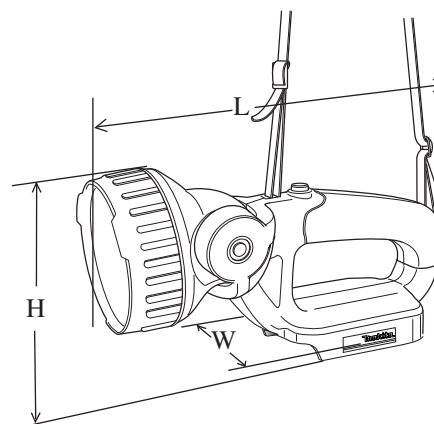


**Models No.** ▶ BML240

**Description** ▶ Rechargeable Flash Light

## CONCEPTION AND MAIN APPLICATIONS

The newly developed 24 V battery provides incredible long continuous illumination time. When 24V / 3.0Ah battery (battery B2430) is used, the time is extended to approx. 320 minutes (5 hours). And equipped with adjustable head with which the irradiation angle can be adjusted in 4 stages at 0°, 45°, 90° and -20°.



## ► Specification

Battery type No.		B2430	B2417
Battery	Voltage (V)	24	
	Capacity (Ah)	3.0	1.7
	Energy (Wh)	72	40.8
	Kind of cell	Ni-MH	
Charging time with DC24SA: min.		Approx. 60	Approx. 30
Continuous illumination time: min.		Approx. 320	Approx. 180
** Illumination (lx)		6,000	
Brightness (lm)		210	
Bulb	Gas	Xenon	
	Voltage (V)	24	
	Current (A)	0.5	
	Service life (h)	Approx. over 50	
	Spare bulb	in the head	
Weight including battery: Kg (lbs)		1.98 (4.36)	1.48 (3.26)

Dimensions : mm ( " )	
Length ( L )	275 10-7/8)
Height ( H )	135 (7-5/8)
Width ( W )	100 (4)

\*\* Illumination (lx) : at the place which is 1m (3.3ft) distant from the flash light.

## ► Standard equipment

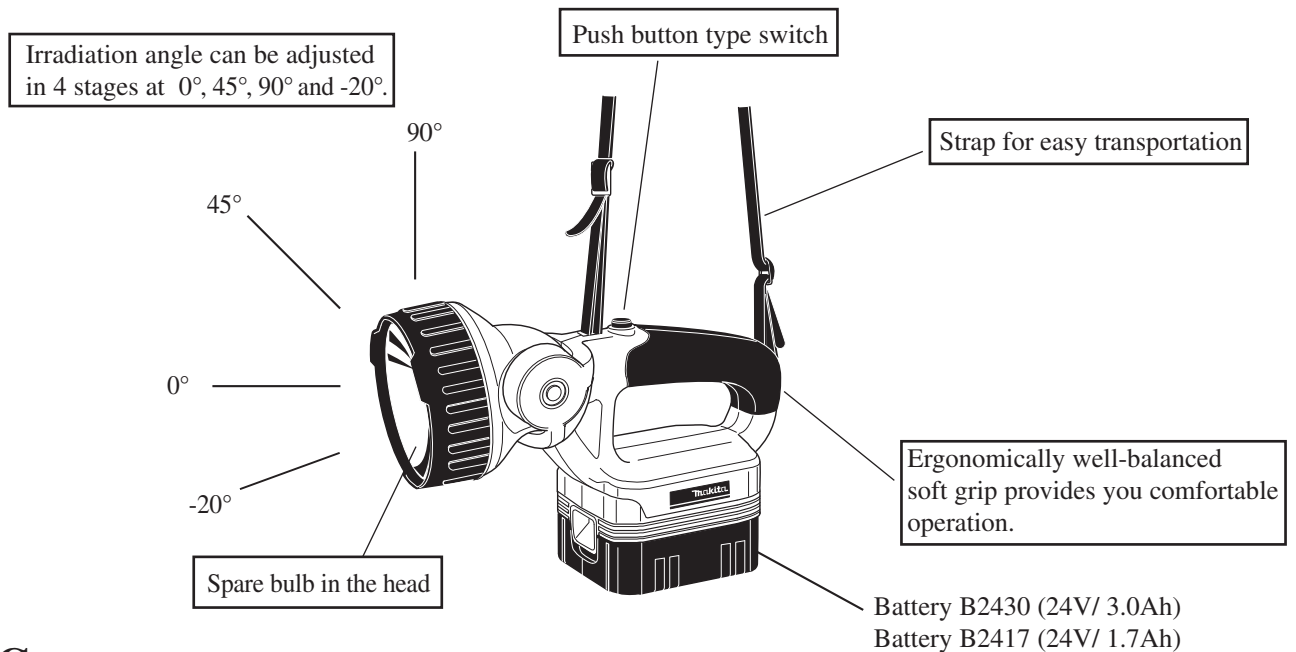
- \* Spare bulb ..... 1 pc.
- \* Strap ..... 1 pc.

< Note > The standard equipment for the tool shown may differ from country to country.

## ► Optional accessories

- \* Spare bulb set ( 2 pcs. per pack)
- \* Battery B2417
- \* Battery B2430
- \* Charger DC24SA

**BML240**



► **Comparison of products**

Specifications		Model No.		MAKITA		Competitor A
				BML240	ML180	Model A
Battery	Voltage (V)	24		18		24
	Capacity (Ah)	3.0	1.7	2.0		2.0
	Energy (Wh)	72	40.8	36		48
	Kind of cell	Ni-MH		Ni-Cd		Ni-Cd
* Charging time : min.		Approx. 60	Approx. 30	Approx. 60		Approx. 60
Continuous illumination time: min.		Approx. 320	Approx. 180	Approx. 180		Approx. 250
* Illumination (lx)		6,000		4,500		* 700 - 3,300
Brightness (lm)		210		180		180
Bulb	Gas	Xenon		Xenon		Xenon
	Voltage (V)	24		18		24
	Current (A)	0.5		0.6		0.45
	Service life (h)	Approx. over 50		Approx. over 50		—
	Space for spare bulb	in the head		in the head		in the opening for battery
Adjusting head angle		4 stages ( 0°, 45°, 90°,-20°)		4 stages ( 0°, 45°, 90°,-20°)		2 stages ( 0°, 90° )
* Net weight : Kg (lbs)		1.98 (4.36)	1.48 (3.26)	1.31 (2.88)		1.67 (3.68)
Dimensions inc. battery B2417	Length ( L ) : mm ( " )	275 (10-7/8) at 0° 250 (9-7/8) at 90°		324 (12-3/4)		286 (11-1/4) at 0° 310 (12-1/4) at 90°
	Height ( H ) : mm ( " )	195 (7-5/8) at 0° 215 (8-1/2) at 90°		121 (4-3/4)		134 (5-1/4) at 0° 134 (5-1/4) at 90°
	Width ( W ) : mm ( " )	100 (4)		95 (3-3/4)		84 (3-5/16)
Standard equipment		* Spare bulb ..... 1 pc. * Strap ..... 1 pc. (1.8m in length)		* Spare bulb ..... 1 pc. * Strap ..... 1 pc. (1.2m in length)		* Spare bulb ..... 1 pc

\* Charging time : Model BML240 : with charger DC24SA  
 Model ML180 : with charger DC1801  
 Model GLI24V : with charger AL60DV

\* Illumination (lx) : at the place which is 1m (3.3ft) distant from the flash light.

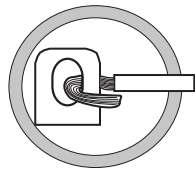
\* 700 - 3,300 : The product of competitor A is equipped with adjustable light condenser.

\* Net weight : Kg (lbs) : including battery

## < 1 > Replacing terminals

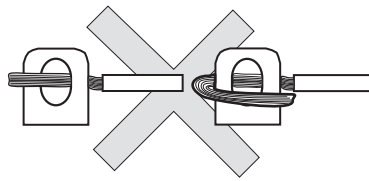
### (1) Connecting lead wires with terminals

The lead wires have to be connected as illustrated in Fig. 1. And then, solder them.



Correct connection

Fig. 1



Wrong connection

Fig. 1A

### (2) Connecting lead wires with switch

The lead wires have to be connected as illustrated in Fig. 2. And then, solder them.

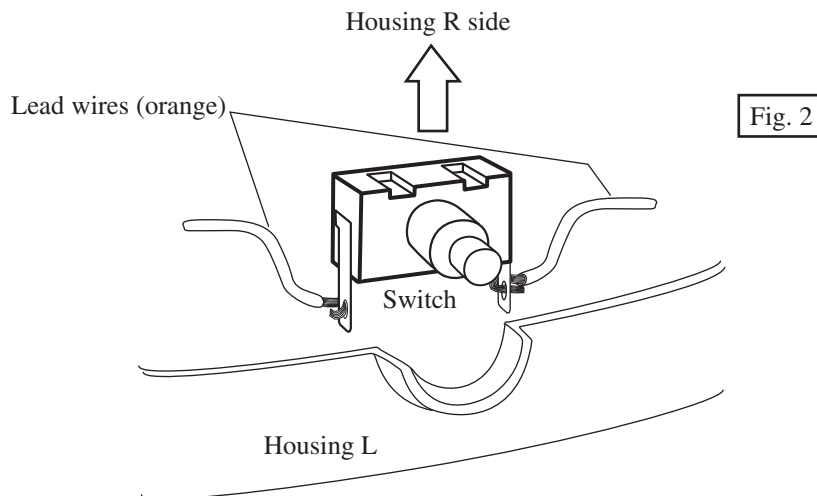
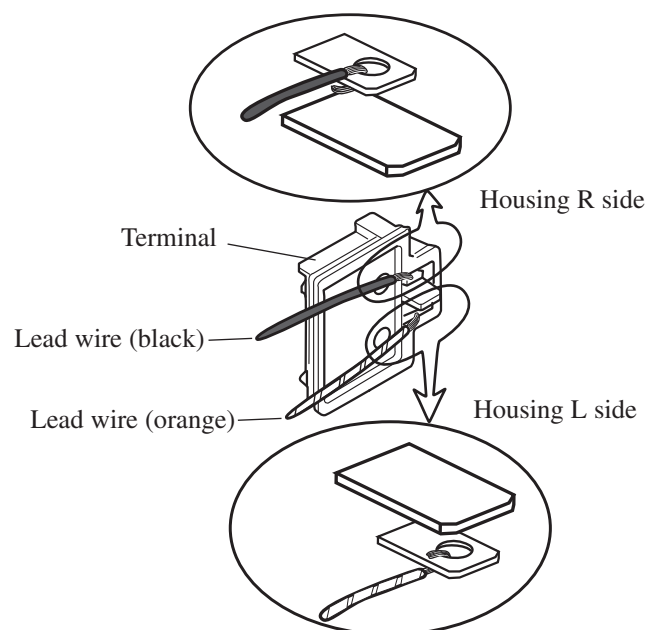


Fig. 2

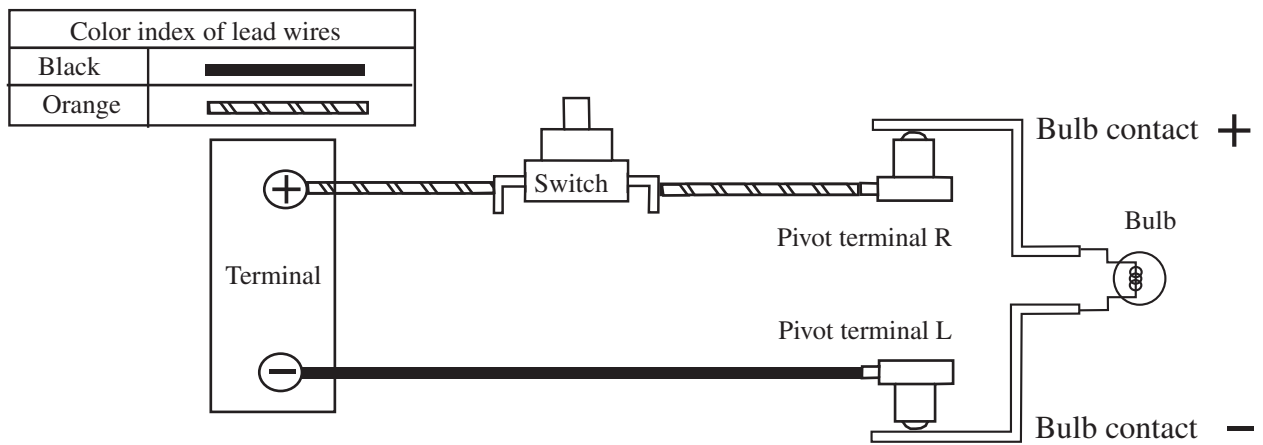
### (3) Connecting lead wires with terminal

The lead wires have to be connected as illustrated in Fig. 3. And then, solder them.

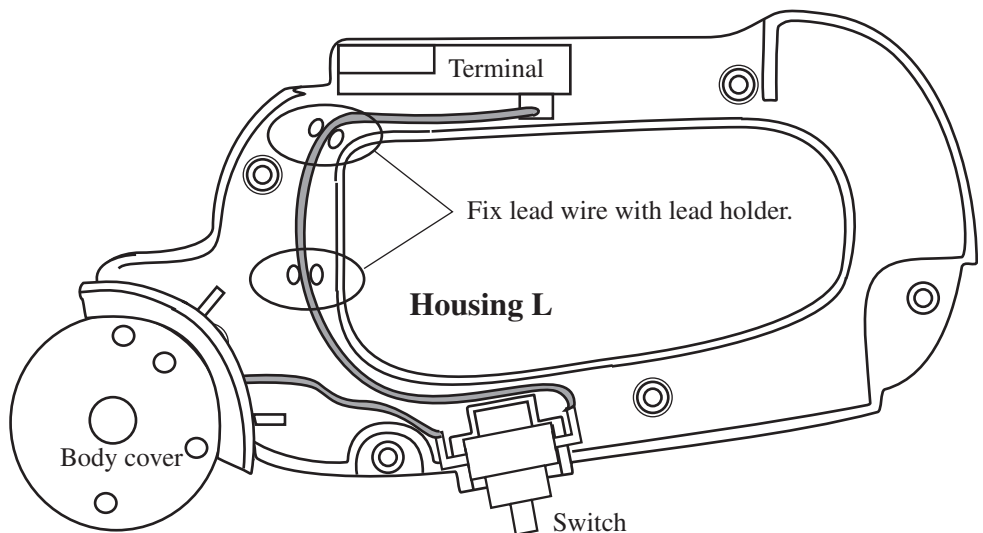
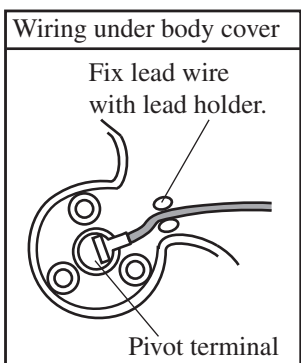
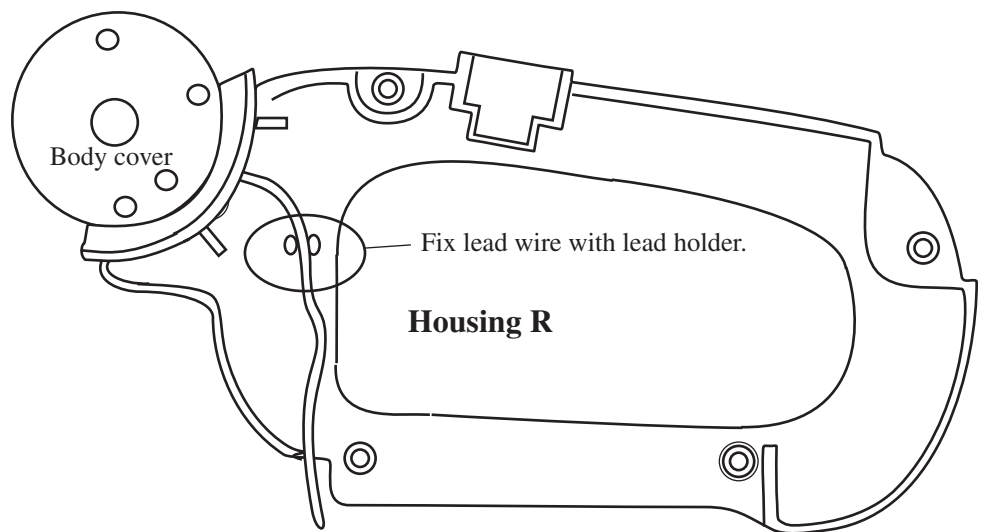
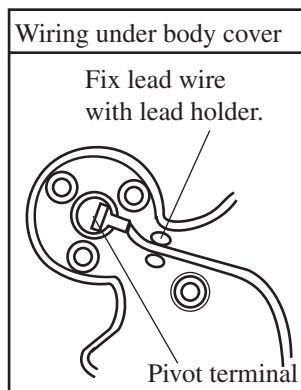


## ► Circuit diagram

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## ► Wiring diagram



< Note > Be careful, not to pinch the lead wires, when assembling.