

## Engineering Data Sheet: 5100 (Mark II)

### Unit Information

Model #: 5100 (Mark II)

### Master Pack Dimensions

Weight: 47 lbs. (dry), 57 lbs. (wet)  
 Cube: 1.78 ft<sup>3</sup> (.05 m<sup>3</sup>)  
 Cube Dimensions: 26.25" x 12" x 9.75"  
 Quantity: 10

### Specifications

Power Source: 4V Lead-Acid  
 Bulb/Lamp: (Xenon, w 2 filaments)

Type	Volts	Amps	Watts
BM-30G	4.0	1.0A	4.0
BM-30M	4.0	.75A	3.0

Bulb/Lamp Life: 400 Hours (Two Filaments)  
 Light Output: 20,000 Beam Candlepower  
 Light output: 40 Lumens

### Components

Battery Jar: Polycarbonate (Red)  
 Battery Top: Santoprene  
 Cable: Thermal Plastic Rubber (TPR)  
 Headpiece: Molded Polycarbonate  
 Lens: Heat tempered glass  
 Reflector: High Purity Aluminum  
 Bezel: Polycarbonate (Red)

### Product Features

- Ejection mechanism for bulb
- Locking plate over battery connectors
- Focussing Spot to Flood
- 1 year warranty
- Keyed charging contact
- 3 – 4+ year battery life
- Superior Chemical Resistance
- Non-Conductive Battery Top

### Unit Dimensions (battery)

Depth: 2.2 in. (5.6 cm)  
 Width: 5.4 in. (13.7 cm)  
 Height: 8.2 in. (20.8 cm)

### Unit Dimensions (headpiece)

Depth: 3.0 in. (7.6 cm)  
 Diameter: 3.1 in. (8.0 cm)

### Unit Dimensions (cord)

Length: 52 in. (132.1 cm)

### Approvals

MSHA #6D-30  
 MSHA #6D-50  
 EM & R #61L (for use in gassy coal mines) (metal tops)



### Product Comparison

Feature	Koehler	MSA ML-2	Northern Light	Oldham
3 – 4+ year battery life	<b>Yes</b>	No	Yes (claimed)	Yes
Two bulb filaments	<b>Yes</b>	No	No	No
Superior chemical resistance	<b>Yes</b>	No	No	Yes
1 year warranty	<b>Yes</b>	No	No	No
Focussing Spot to Flood	<b>Yes</b>	Yes	Yes	No