

## Experiment(s):

1. Determination of focal lengths of convex/concave lens and mirrors

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))

Reference : Lab Experiments Journal vol-13, No.3, Page-162

### Experiment setup consists:

- a) Optical bench
- b) Light source & screen
- c) Lens and mirrors

### Specifications:

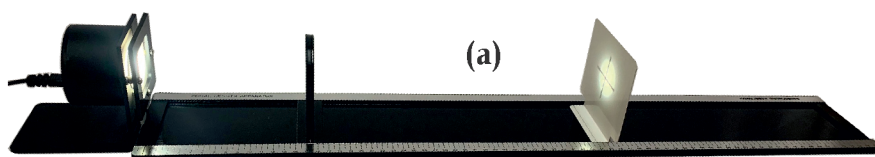
**a) Optical bench**  
 Length: 75 mm  
 Material: Acrylic  
 Suitable for focal length experiments for lens and mirrors up to 20 cm focal length

**b) Light source**  
 LED illuminated with removable objective  
 Rated Input: 220 V/50 Hz  
 or 110 V/60 Hz  
 Mains cord: 2 pin

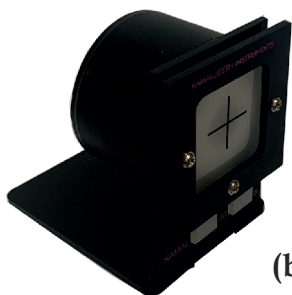
**c) Screen**  
 Powder coated metal screen (white)  
 Size: 75 mm x 75 mm

**d) Lens and mirror set**  
 Lens and mirrors of different focal lengths moulded on acrylic stand  
 Suitable to be used with the above optical bench

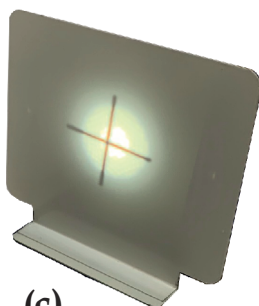
(Customized focal length lens and mirrors are available on request)



(a)



(b)



(c)



Concave Lens

Concave Mirror

Convex Lens

Convex Mirror

(d)



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