

# Miniature and signalling lamps

# Halogen flashlight



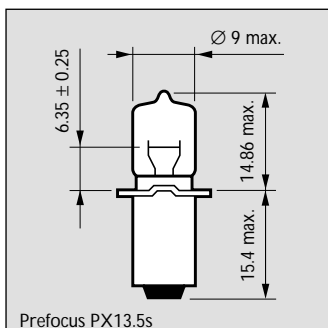
Halogen miniature flashlight lamps feature a prefocus lamp base or a screw base. Offering all the well-known benefits of halogen lighting, they give an even spread of light and are ideal wherever a high lighting level is required from small-sized lamps.

There are three main groups: prefocus, bayonet and E10 base.

The prefocus and bayonet base types are characterised by accurate positioning of the filament and the E10-base lamps offer effective use in most conventional torches.

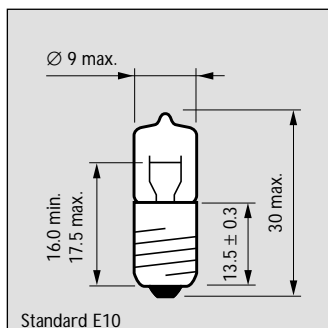
### Applications

- Torches
- Toys
- Bicycle headlights



Prefocus PX13.5s

Dimensions in mm



Standard E10

Type	Lamp life 50% h	Lumen output lm	Ordering number
<b>PREFOCUS (PX13.5S)</b>			
HPR56 2.5V 0.5A PX13.5S	15	14	9230 051 03200
HPR01 2.8V 0.5A PX13.5S	10	17	9240 017 03500
HPR52 2.8V 0.85A PX13.5S	10	34	9239 182 03500
HMP14/HPR41 3.75V 0.75A PX13.5S	100	39	9238 826 05700
HPR53 4V 0.85A PX13.5S	25	60	9239 184 06300
HPR54 4V 0.5A PX13.5S	15	33	9239 853 06300
HMP20 4.8V 0.5A PX13.5S	20	37	9239 053 07800
HPR50 5.2V 0.85A PX13.5S	25	85	9239 186 08400
HPR55 5.2V 0.5A PX13.5S	15	48	9240 013 08400
HMP15/HPR36 5.5V 1A PX13.5S	40	100	9238 970 09100
HMP03/HPR40 6V 0.67A PX13.5S	50	75	9238 807 10100
HPR02 6.5V 0.5A P13.5S	25	60	9240 014 11600
HPR51 6.5V 0.7A PX13.5S	25	90	9239 188 11600
HPR03 7.4V 0.5A P13.5S	25	75	9240 015 13500
HPR04 7.4V 0.7A PX13.5S	25	114	9240 016 13500
<b>STANDARD (E10)</b>			
HME56 2.5V 0.5A E10	15	14	9230 064 03200
HME52 2.8V 0.85A E10	10	34	9239 293 03500
HME53 4V 0.85A E10	25	60	9239 295 06300
HME50 5.2V 0.85A E10	25	85	9239 294 08400
HME55 5.2V 0.5A E10	15	48	9230 062 08400

