

GDL1

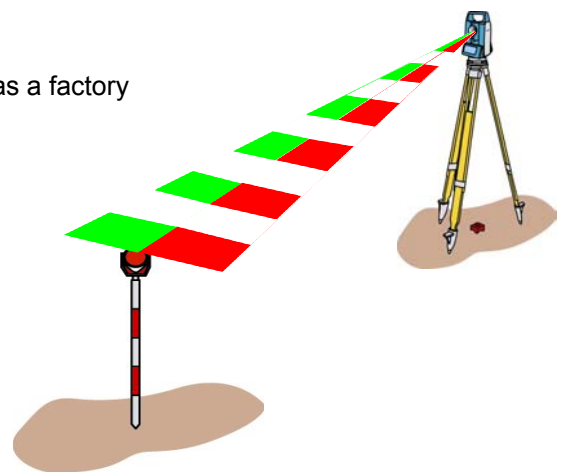
GUIDE LIGHT for SETx30R



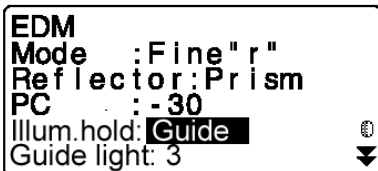
Main Feature

A guide light which makes setting out convenient, is now available as a factory option for the Reflectorless Total Station SET230R.

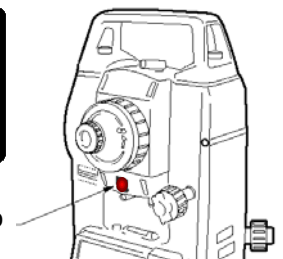
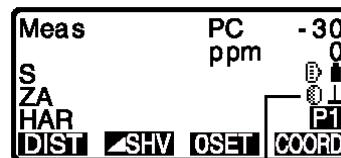
When looking at the instrument, from the prism side, the right hand side will be red, and the left hand side will be green. When the light is flashing back and forth between red and green, you're in the sighting direction.



Procedures



The guide light function can be selected in the "EDM settings" by switching [Laser sight / Guide light ON/OFF]

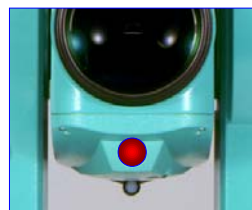
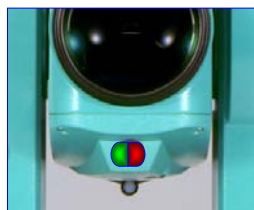
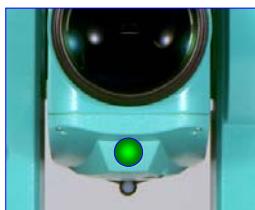


The LCD shows when the guide light is switched ON and there is a red indicator on the reticle side of the telescope too

If the green light is visible, move to the right.

When the green and red lights are flashing, this is the sighting direction.

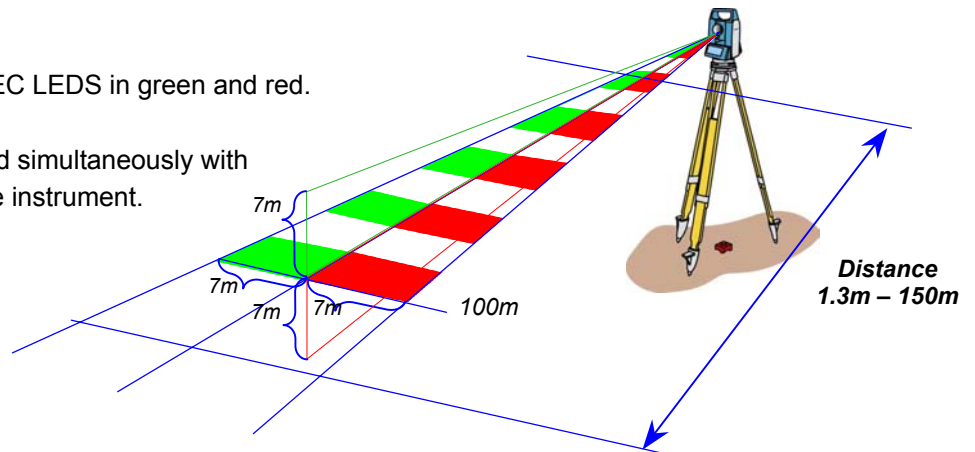
If the red light is visible, move to the left.



Safety

- ☒ The guide light uses Class 1 IEC LEDS in green and red.
- ☒ The guide light can not be used simultaneously with the laser pointer function of the instrument.

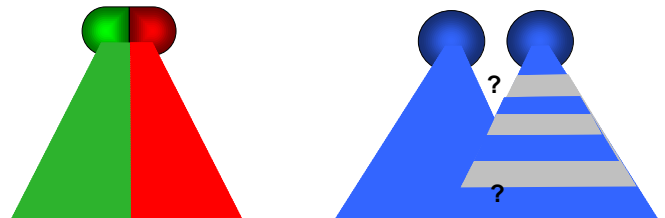
Specifications



| | | |
|---|---|-------------------------------------|
| Light source | LED (green 524nm / red 626nm) (Class 1 IEC60825-1/2001) | |
| Usable Distance | 1.3m to 150m under average atmospheric conditions | |
| Visible range | Right and left | about +/-4 degree, about 7m+7m@100m |
| | Up and down | about +/-4 degree, about 7m+7m@100m |
| Recognizable range at center area (width) | less than about 0.12m@100m | |
| Brightness of the lights can be set in 3 steps | | |
| Direction of the light can be adjusted by a screw | | |
| Auto power cut off | 5 minutes after the guide light is on | |
| Power consumption | 140mA (max.) | |
| Working duration | Battery life is reduced by about 10% if the guide light is used continuously. | |
| Weight | weight of the instrument is increased by 35g | |

Advantages of Sokkia's Guide Light

- ☑ SOKKIA's guide lights are composed of two lights of different colors that are emitted from **one aperture**. The sighting direction of the telescope can easily be determined for both long and short distances. Guide lights using two apertures have limitations on very short and very long distances.



- ☑ Users who are (partial) **colourblind** can still use the guide light by switching from pattern 1 to pattern 2.

The guide light of pattern 2 emits the green and red lights simultaneously but the pulse of the green and red light is different in duration.

