

Power LED - Pointer

Description:

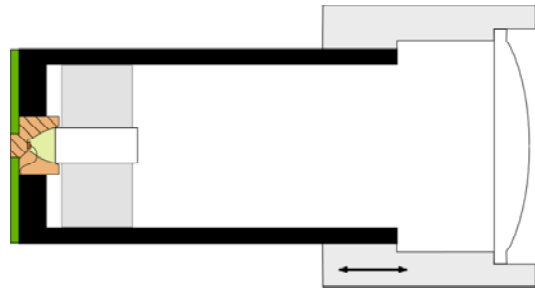
A power LED operating at 350mA current couples the light via a micro reflector to a 3mm diameter optical polymer fiber of 10mm length. The fiber endface is in the focus point of a plastic lens with 30mm focal length.

The module generates a sharp homogeneous light spot of 9cm diameter in a distance of 1m. The modul's radiation angel is 5.7° or $\pm 2.9^\circ$.

The module's aluminium housing serves as heat sink and makes the use of metal core PCB redundant.

Typical applications are light indicator units and light pointers for industrial applications that do not allow the use of lasers, either due to lifetime or eye safety reasons.

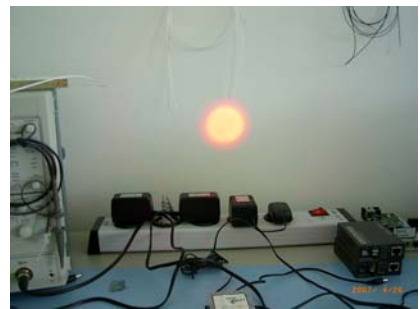
The version comprising a white LED die is suitable for the precisely accurate illumination of objects from the distance.



Power LED pointer design

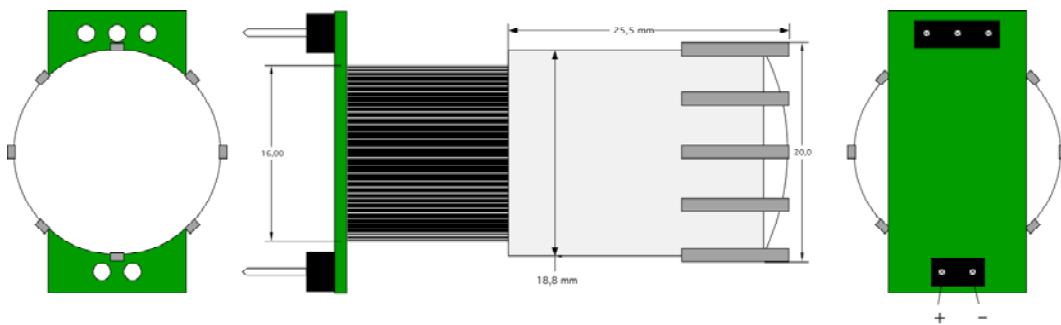


Power LED pointer



Power LED pointer in operation)

Mechanical dimension:



Applications:

- Light pointers
- Light barriers
- Microscope lighting applications
- Far distance illumination

Technical specifications for Power LED modules:

	green	red	white
wavelength [nm]	520	640	-
Maximum LED operation current [mA]	350	350	350
Spot diameter in 1m distance [cm]	9	9	9

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