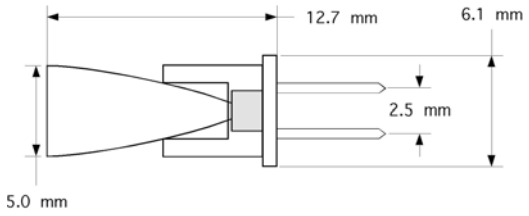
LED - Spotlight

Description:

New LED light sources with special optics focus the light output of the LED chip high efficiently providing a very small radiation angle. This enables to illuminate objects very precisely and to drive the LED with a small current. Thus, the LED lifetime increases considerably.
Typical applications include traffic control lighting, signal lighting and all applications where exactly focussed light is needed. Very little stray light is emitted. LEDs of arbitrary wavelengths, even infrared, may be used and are available on request.

Mechanical dimension:



Applications:

- signal lighting for traffic control including air traffic control and waterway signal lighting
- lighting technology for domestic applications
- microscopy lighting applications
- sensor technology (light barriers, measurement systems using reflective light, infrared illumination systems)
- fiber illumination

Technical specifications for LED-spotlight modules:

	blue	green	amber	red	hyper-red	infrared
wavelength [nm]	460	520	590	640	650	880
Typ. optical output power @ 20 mA [mW]	9.9	5.7	3.5	6,8	9.9	4.2
radiation angle (half power bandwidth)	± 4°	± 4°	± 4°	± 4°	± 4°	± 4°

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