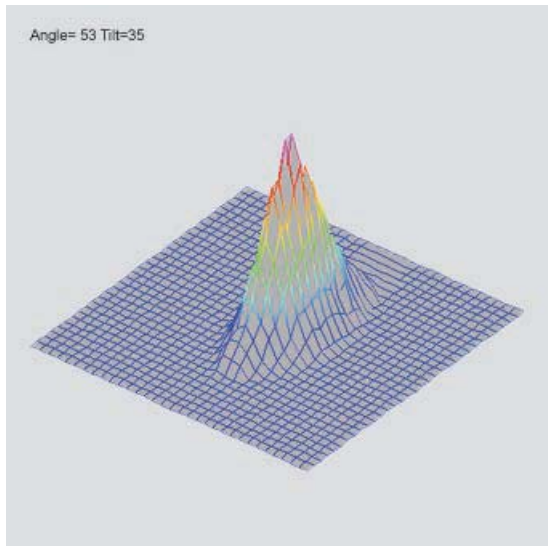


# Model IMM-1255FB-635-28-E-K-L

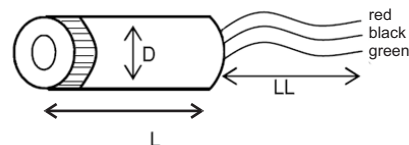
Order Number 1206000005 [www.sensor-ic.com/](http://www.sensor-ic.com/) TEL: 0755-83376549 FAX: 0755-83376182 E-MAIL: szss20@163.com

## Applications

- Industrial alignment
- Construction laser applications
- Triangulation
- Metrology



Typical Beam Profile



Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

D (mm)	12
L (mm)	55 <sup>2)</sup>
LL (mm)	150 ± 20

Parameter @ Tc=25°C	Min.	Typ.	Max.
Wave length	n. a.	638 nm	645 nm
Operating temperature	5 °C	25 °C	50 °C
Storage temperature	-25 °C	n. a.	70 °C
Beam diameter @ 1/e <sup>2</sup>		2 x 0.9 mm <sup>2</sup>	
Focal length range	20 mm		∞
Beam divergence			0.8 mrad
Beam deviation			25 mrad
Optical output power			28 mW
Operating voltage Vcc	4.5 V DC		5.5 V DC
Operating current			140 mA
Laser protection class	3B @ max. Popt		
Lens type	Aspherical plastic lens		
Casing	Aluminium black anodized		
Beam setting	Adjustable focus		

### Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)

- Features:**
- Modulation / Power adjustment via analog input
  - Threaded focus adjustment
  - Diaphragm optional
  - Case insulated

Note: The above product specifications are subject to change without notice.

<sup>1)</sup> optional

<sup>2)</sup> typ. @ collimated beam



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