

## Line laser, red, 650 nm, 90 °, 5 mW

LFL650-5(12x45)90-NT  
Order Number: 70105711

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 650 |     | nm   |
| Optical Diode Power   |     | 5   |     | mW   |
| Operating Voltage     |     | 5   |     | V DC |
| Operating Current     |     | 30  |     | mA   |
| Operating Temperature | -20 |     | 40  | °C   |
| Storage Temperature   | -40 |     | 80  | °C   |

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime > 3,000 h  
RoHS yes

### Optical Parameters

Beam Shape Line  
Laser Class 1  
Divergence G - 0.8 mrad  
Fan Angle 90 °  
Line Thickness <1.2mm@1m  
Operating Distance 1 m  
Optics acryl lense  
Laser technology diode  
Focus fixed (1000mm)

### Electrical Parameters

|                      |                              |
|----------------------|------------------------------|
| Potential of Housing | VDD(+)                       |
| Connector            | 2.1 mm DC socket (GND inner) |
| Power Supply         | LFNT-5-C                     |

### Mechanical Parameters

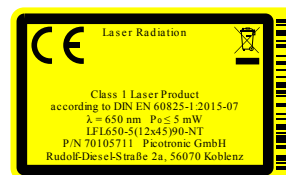
|                 |           |
|-----------------|-----------|
| Size            | Ø12x45 mm |
| Material        | aluminium |
| Cable length    | 1,360 mm  |
| Output Aperture | 6 mm      |
| Weight          | 82 g      |

(\*) Over the complete operating temperature range

### Picture



### Safety Label



### Valid Revision

9 | 27-APR-2023