



- ▶ MICROmote® -sensor for separate amplifier in flat design
- ▶ High performance light sensor with effective nanoSPOT optics: laser-like light beam - tiny light point
- ▶ The RLF50RN light sensor combines high precision in use with an especially robust housing construction



REFLECTIVE BEAM SENSOR for separate amplifier

▶ TECHNICAL DATA

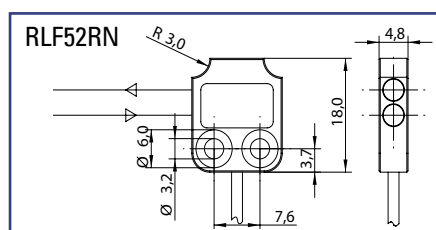
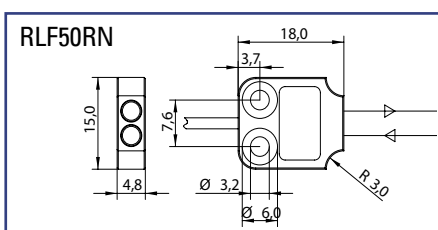
MODEL	RLF50RN	RLF52RN
Light type	nano • SPOT® ** 645nm	
Operating temperature	-10°C to +55°C	
Protection class	IP67	
Sensing distance *	50mm ***	
	1000mm on reflector R35	
Lightspot diameter at 50mm	1,4mm	
Connection type	PUR-cable with	
Dimensions	18mm x 15mm x 4,8mm	
Housing material	aluminium, natur anodized	
Mounting	for screw-in fixture	

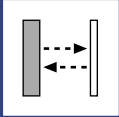
* min. detecting distance 3.5mm

** registered Trademark of STM GmbH

*** on white non glossy paper (90% remission, 100x100mm)

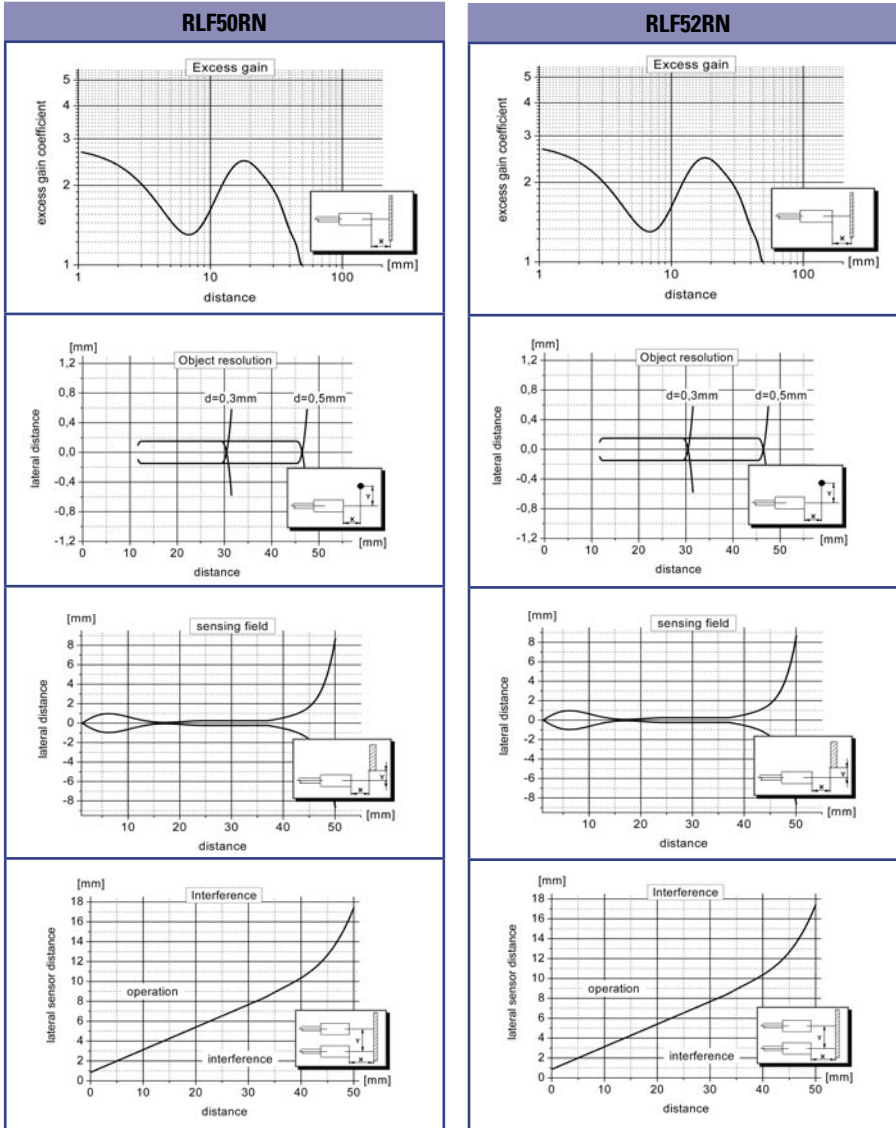
▶ DIMENSIONS Measurements in mm. Subject to technical change.





RLF50RN | RLF52RN

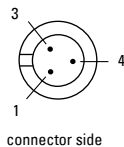
► **GRAPHS** (All Graphs showing typical data with STM amplifier.)



► **PIN CONNECTION**

option - 2: 719, 3pin (standard)

- 3 + receiver (green)
- 4 GND/shielding (white, black)
- 1 + emitter (red)



PART DESIGNATION	<p>jacket material P: PUR-cable black \varnothing 1,8mm F: highly flexible PUR-cable red \varnothing 1,1mm</p>	<p>connector 2: 719 - connector 3pin special model available on request</p>	<p>cable length (specification in [m]) standard length 1m special cable length available on request</p>
ORDER EXAMPLE	<p>Model - [] - [] : []</p> <p>RLF50RN - P - 2 : 1m = RLF50 nanospot - PUR-cable black - 719, 3pin : cable length 1m</p> <p>Please note, for correct operation, a separate nanoSPOT amplifier is required.</p>		