



## Data sheet optic PW-OPT-01

	<p>Measuring Angle non-Uniformity and not comply with IEC61747-6 standard</p>	<p>The optical lenses used in normal measuring equipment have problems such as comet aberrations, Spherical aberrations, chromatic aberrations, and Measuring Angle (Viewing Angle). Because of these problems, the effective light collected is not enough which leads to bad S/N performance in low luminance situation and cause bigger errors:</p>
<p><b>Figure 1 – Measuring system and its configuration.</b></p>		<p>The PW0049 or MELOT-TCI uses a special optical system PW-OPT which is coated with broadband multilayer anti-reflection coating for visible on both surfaces. The PW-OPT is designed to minimize the comet aberrations, spherical aberrations, chromatic aberrations. The PW-OPT-series has a viewing angle or accept angle within <math>\pm 2.5^\circ</math>, and the angle of the received light is well-proportioned for any point within the measuring area <math>\varnothing 18\text{ mm}</math> (-001), <math>\varnothing 23\text{ mm}</math> (-002), <math>\varnothing 10\text{ mm}</math> (-003).</p>
<p style="text-align: right;"><b>PW-OPT-001</b></p>		

Order-No:	PW-OPT-01
Mounting distance	variable
Connection of light guide	SMA-Plug
Material	Aluminium coated
Operating temperature	-30 bis +60 Degree Celsius