



**Fundamentals of Industrial Measurement  
Technology**

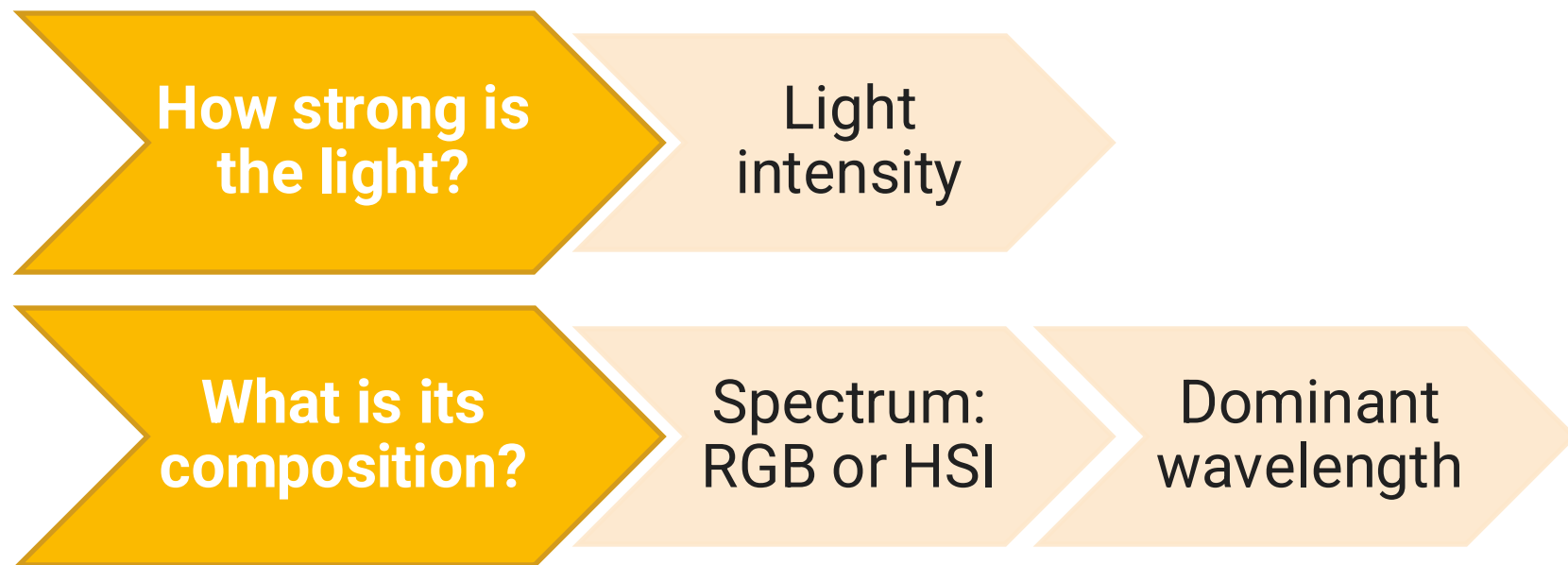
**Light intensity &  
Spectrum Measurements**



ProDSP Post Series Nr.16.



# When examining an LED or any light source, two questions are the most important:





# Industrial solutions

- FEASA LED Analyzer
- Equip-Test LED optical heads





## How does it work?

- The optical head guides the light to a sensor
- 1 sensor → light intensity
- 3 sensors → spectral components
- The **signal is analog and integrated**; the integration time sets the sensitivity





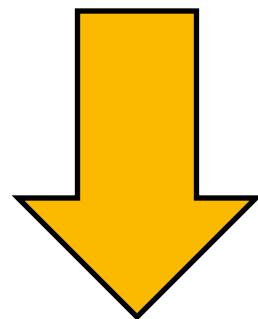
## What should you pay attention to?

- The Ambient light can distort the measurement even on the millisecond scale
- The optical fiber must be continuous, without interruption
- Stable geometry → stable measurement





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