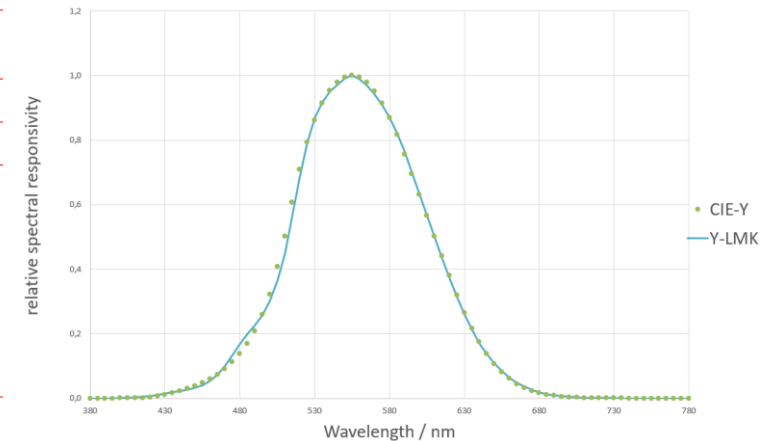


Comparison between LMK models

	LMK 6-5	LMK 6-12	LMK 6-30
Technical data			
Sensor – imaging CMOS matrix system	2464 × 2056 Pixel Sony-CMOS [IMX 250; 2/3" diagonal; 12 Bit digital]	4112 × 3008 Pixel Sony-CMOS [IMX 253; 1.1" diagonal; 12 Bit digital]	6480 × 4860 Pixel Sony-CMOS [IMX 342; APS-C; 12 Bit digital]
Housing dimensions without lenses (HxWxD)	stable black anodized aluminum housing: 80 mm × 80 mm × 47 mm	stable black anodized aluminum housing: 80 mm × 80 mm × 47 mm	stable black anodized aluminum housing: 90 mm × 90 mm × 70 mm
Weight	camera housing without lens: 600 g available lenses: 120 g – 800 g	camera housing without lens: 600 g available lenses: 120 g – 1100 g	camera housing without lens: 780 g available lenses: 120 g – 1100 g
Data interface	Gigabit Ethernet Interface (GigE)		
Metrological data			
Dynamic range	Single picture measurement: 1:1100 (~ 61 dB) High-Dynamic measure (exposure bracketing series): 1:10 000 000 (~140 dB)		
Spectral matching¹	Matched to the V(λ) luminance function for luminance measurement with a full-glass filter		
Metrological specification	V(λ) [f ₁ ' < 3 %] ²		
Measuring quantity	Luminance: L (cd/m ²)		
Measuring range³	Integration/exposure time from 100 μs to 15 s 1 ms ≈ max. 10 000 cd/m ² 3 s ≈ max. 3.3 cd/m ² The detection limit ⁴ (f _{3,0}) for all integration/exposure times is about 0.04 % relative to the given maximum luminance value. Higher luminance can be measured using optional neutral density filters.		
Calibration uncertainty⁵	fix focused lenses ΔL [< 2%] focusable lenses ΔL [< 2.5%]		
Repeatability⁶	ΔL [< 0.1%]		
Measuring accuracy	ΔL [< 3%]for standard illuminant A		
Uniformity⁴	f ₂₁ [< 2%]		



Relative spectral responsivity curve of LMK 6 model type

¹ Typical average result for entocentric lenses, specific results available with calibration certification or on request

² Spectral mismatch f₁; according to ISO/CIE 19476:2014

³ The luminance value stands for the measuring range end value at the specified exposure/integration time

⁴ Definition and measurement according to CIE 244:2021

⁵ Measurements according to CIE 244:2021 using a luminance standard traceable to the PTB (Physikalisch-Technische-Bundesanstalt, the National Metrology Institute of Germany)

⁶ Measurement performed on a stabilized white LED light source L=100 cd/m² – mean value over 100 × 100 camera image pixel