

SSL FiLMI 2.3 Color XYZ

- SPECIFICATION



DEVICE CODE*	SSL FiLMI 2.3 Color-3	SSL FiLMI 2.3 Color-4
Application range	Versatile test applications in the field, production and lab environments.	
Detector	CMOS imaging luminance meter, 1920 x 1200 pixels (2.3Mpix), 12-bit A/D conversion	
Filters	XYZ	Xb, Xr, Y, Z
Measurement range ¹⁾ (cd/m ²)	0.002 – 5 000 000	
Field-of-view FOV (hor&ver)	f-50mm: 12.9°&8.2°, f-35mm: 18.3°&11.6°, f-25mm: 25.5°&16.2°, f-16mm: 38.9°&25.0°, f-12mm: 50.4°&33.0°	
Dynamic range	1E+9	
Min. Focusing distance	0.1 m (f12-25mm), 0.2 m (f-35mm), 0.3 m (f-50mm)	
Integration time	40 μs – 10 s	
Measurement time @ 100cd/m ²	6 s	9 s
Spectral response f ₁ '	Y < 5%, X < 8%, Z < 4%	Y < 3%, Xb < 4%, Xr < 3%, Z < 4%
Dim.s (WxDx H, m)	140mm (without handle), width 135mm, depth 170mm (without lens), 3kg	
PC Interface	USB 3.0	
Package ²⁾	FiLMI 2.3, 24Vdc power supply Case, 5m USB 3.0 cable, Factory calibration (luminance and pixel-by-pixel), Tripod adapter. SSL FiLMI sw with FiLMI.base XYZ and FiLMI.video tools.	

*xx specifies the lens

¹⁾ Defined with the smallest lens aperture. Depends on the gain, binning, and opening.

²⁾ Dedicated accessories for field measurements separately available.