

Technical Note 5

Measuring Ranges of JETI Spectroradiometers

Instrument	Accessory	Part number	Photometric			Radiometric		
			Quantity [unit]	Max	Min	Quantity [unit]	Max	Min
specbos 2501 & specbos 1211-2								
			Luminance [cd/m ²]	100 000	0.2	Radiance [W/(m ² sr)]	350	0.0005
Optional	OD 1 filter	ACC 010 OD1.0	Luminance [cd/m ²]	1 000 000	2	Radiance [W/(m ² sr)]	3500	0.005
Optional	VIS filter	ACC 016	Luminance [cd/m ²]	120000	0.2	Radiance [W/(m ² sr)]	400	0.0006
Optional	Focusing optics 3 mm 1 mm 0.5 mm	ACC 006/1 ACC 007/1 ACC 008/1	Luminance [cd/m ²]	200000 220000 200000	0.4 0.5 0.4	Radiance [W/(m ² sr)]	600 630 600	0.001 0.001 0.001
Optional	Standard diffusor	ACC 013/1	Illuminance [lx]	1500000	1	Irradiance [W/m ²]	5000	0.01
Optional	Diff. with incr. transmission Medium High	ACC 013 Med ACC 013 High	Illuminance [lx]	30000 12000	0.05 0.02	Irradiance [W/m ²]	100 30	0.0002 0.0001
Optional	90° diffusor	ACC 012	Illuminance [lx]	1500000	3	Irradiance [W/m ²]	4000	0.007
Optional	Fiber extended diffusor in axis	ACC 015	Illuminance [lx]	1500000	3	Irradiance [W/m ²]	4000	0.007
Optional	Fiber extended diffusor 90°	ACC 019	Illuminance [lx]	2000000	4	Irradiance [W/m ²]	4000	0.007
Optional	Integrating sphere 300 mm	OPS 300	Luminous Flux [lm]	12000	0.05	Radiant Flux [W]	40	0.0001

Instrument	Accessory	Part number	Photometric			Radiometric		
			Quantity [unit]	Max	Min	Quantity [unit]	Max	Min
Optional	Integrating sphere 500 mm	OPS 500	Luminous Flux [lm]	30000	0.1	Radiant Flux [W]	100	0.0003
Photobiol. Meas Optional (UV device)	BLH measuring optics 100 mrad 11 mrad	ACC 024/100 ACC 024/ 11	Luminance [cd/m ²]	11000000 15000000		Radiance [W/(m ² sr)]	30000 40000	
Photobiol. Meas Optional (UV device)	Diffusor for actinic UV/ UVA	ACC 026	Illuminance [lx]	1000000	2	Irradiance [W/m ²]	3000	0.005
spectral 15x1								
			Luminance [cd/m ²]	140 000	0.2	Radiance [W/(m ² sr)]	350	0.0005
Optional	Focusing optics 3 mm 1 mm 0.5 mm	ACC 006/2 ACC 007/2 ACC 008/2	Luminance [cd/m ²]	300 000	0.5	Radiance [W/(m ² sr)]	1000	0.002
Optional	Diffusor	ACC 032	Illuminance [lx]	1 000 000	1	Irradiance [W/m ²]	3000	0.001
Optional	90° Diffusor	ACC 032/90°	Illuminance [lx]	800 000	1	Irradiance [W/m ²]	2500	0.001
Optional	Fiber extended diffusor in axis	ACC 034	Illuminance [lx]	800 000	1	Irradiance [W/m ²]	2500	0.001
Optional	Fiber extended 90° diffusor	ACC 035	Illuminance [lx]	1 000 000	1	Irradiance [W/m ²]	3000	0.001

Remark: These values are guidance values. They were obtained by a warm white LED spectrum and may vary by the spectral characteristics of the source.