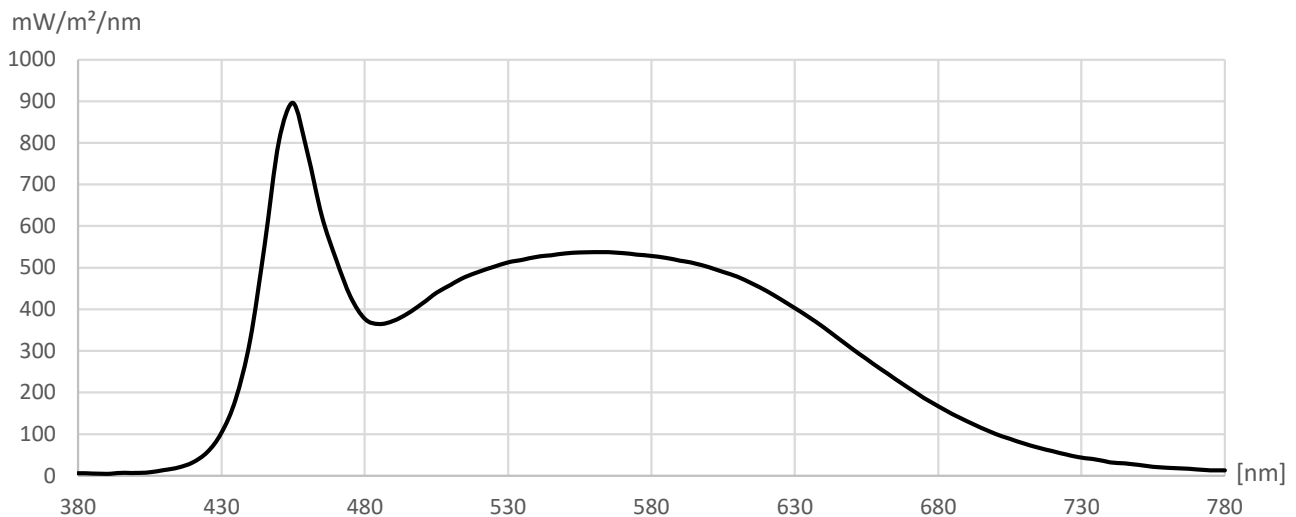


# Measurement protocol



Test object: Varytec  
LED Studio 150 6000K  
505150 + 505211 / 1m

Measurement file: 505150+505211\_1,m.C  
Date of measurement: 04.05.2021  
Time of measurement: 15:52:54



R1 = 87,5	Ra = 88,5	Illuminance	36326,2 lx	CIE1931
R2 = 94,4	Re = 83,7	Ee	120,307 W/m <sup>2</sup>	x = 0,3300
R3 = 96,4	GAI = 84,9	LER	301,9 lm/W	y = 0,3490
R4 = 85,3				
R5 = 86,9		correlated color temperature (CCT)	5605 K	CIE1976
R6 = 90,5		Duv	0,0051	u' = 0,2022
R7 = 90,1				v' = 0,4811
R8 = 76,9		Saturation	3,8 %	
R9 = 37,7				CIE1960
R10 = 85,7		Dominant wavelength	540 nm	u = 0,2022
R11 = 85,1		Peak wavelength	454 nm	v = 0,3208
R12 = 66,8				
R13 = 90,0		Flicker frequency	209,3 Hz	TM30
R14 = 98,5		Percent Flicker	1,4 %	Rf = 85,5
R15 = 83,3		Flicker index	0,002	Rg = 95,0

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	5,66	440	325,24	500	413,59	560	537,42	620	444,43	680	167,44	740	32,46
385	5,59	445	552,30	505	439,53	565	537,15	625	424,25	685	148,43	745	29,63
390	4,54	450	803,25	510	459,44	570	534,94	630	402,99	690	131,35	750	25,81
395	6,99	455	896,01	515	477,22	575	531,29	635	380,99	695	115,28	755	21,57
400	6,53	460	776,70	520	490,85	580	528,09	640	357,22	700	100,45	760	19,18
405	8,31	465	624,99	525	502,27	585	523,77	645	330,69	705	88,62	765	17,80
410	13,61	470	519,41	530	512,90	590	516,93	650	305,71	710	77,11	770	15,32
415	20,01	475	430,30	535	519,18	595	510,74	655	280,67	715	67,31	775	13,17
420	32,34	480	376,52	540	526,09	600	501,02	660	256,39	720	58,75	780	12,90
425	56,68	485	364,89	545	530,05	605	490,13	665	232,81	725	50,19		
430	102,44	490	372,25	550	534,59	610	477,99	670	209,68	730	43,33		
435	184,34	495	390,23	555	536,29	615	462,16	675	187,58	735	39,25		

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Burgebrach, 04.05.2021

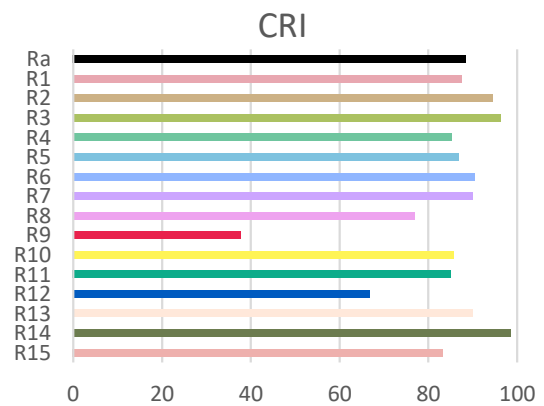
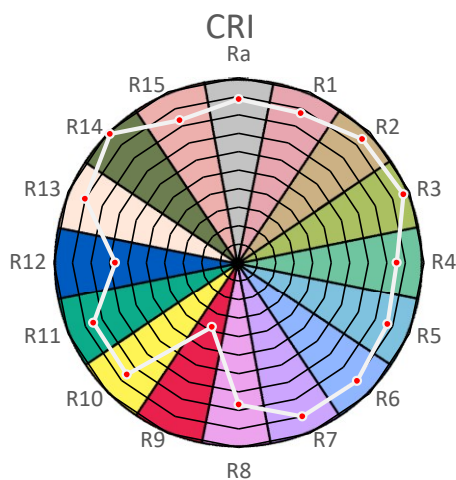
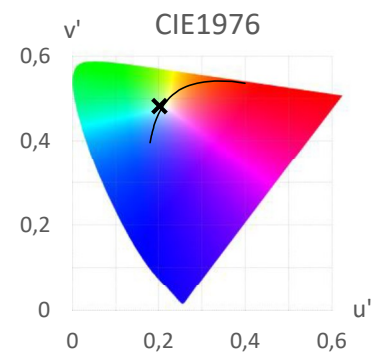
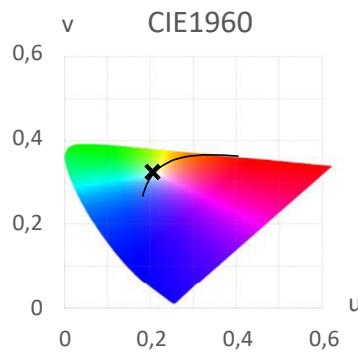
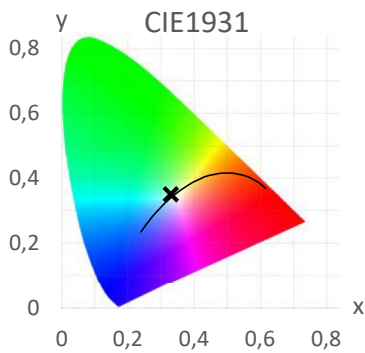
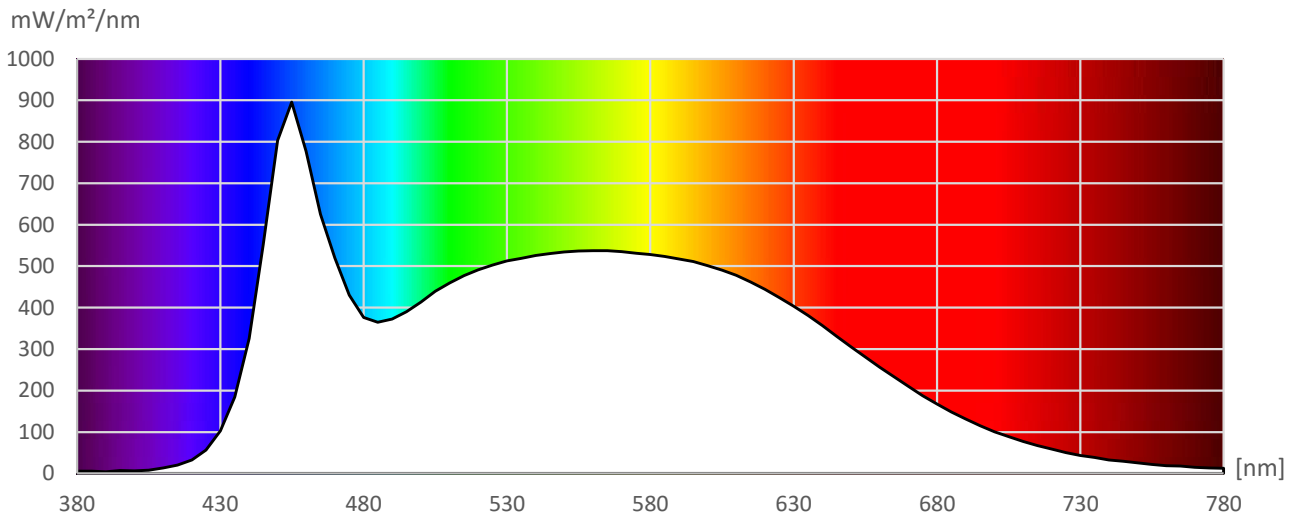
First, last name of inspector

# Measurement protocol



Test object: Varytec  
 LED Studio 150 6000K  
 505150 + 505211 / 1m

Measurement file: 505150+505211\_1  
 Date of measurement: 04.05.2021  
 Time of measurement: 15:52:54



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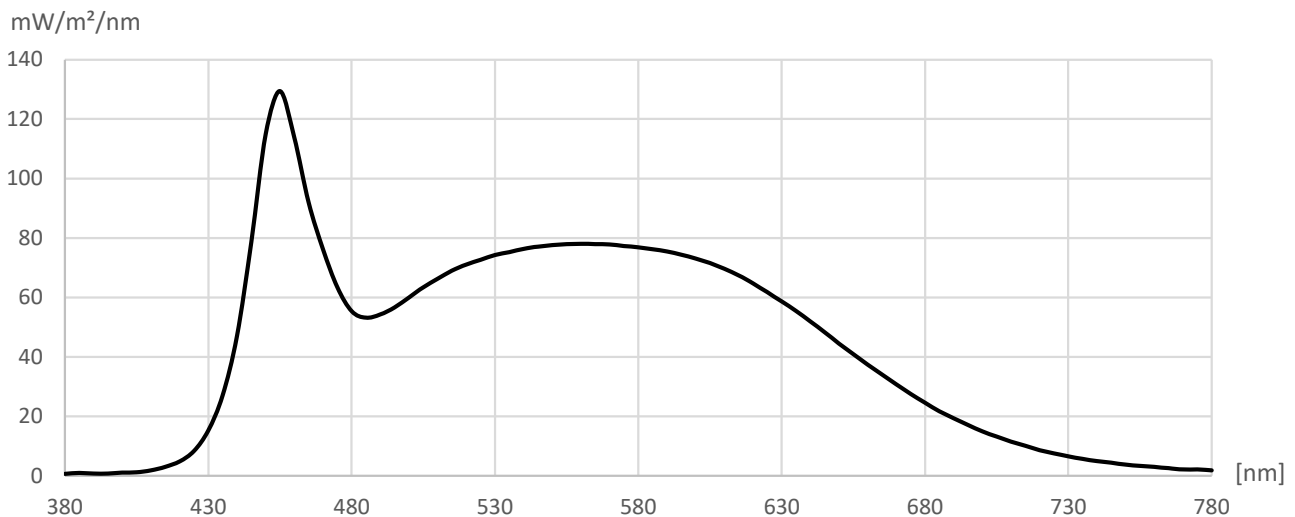
First, last name of inspector

# Measurement protocol



Test object: Varytec  
LED Studio 150 6000K  
505150 + 505211 / 3m

Measurement file: 505150+505211\_3m.CS  
Date of measurement: 04.05.2021  
Time of measurement: 15:53:12



R1 = 87,7	Ra = 88,5	Illuminance	5278,42 lx	CIE1931
R2 = 94,6	Re = 83,8	Ee	17,507 W/m <sup>2</sup>	x = 0,3303
R3 = 96,4	GAI = 84,9	LER	301,5 lm/W	y = 0,3489
R4 = 85,3				
R5 = 87,0		correlated color temperature (CCT)	5590 K	CIE1976
R6 = 90,6		Duv	0,0049	u' = 0,2025
R7 = 89,9				v' = 0,4812
R8 = 76,8		Saturation	3,9 %	
R9 = 38,0				CIE1960
R10 = 86,0		Dominant wavelength	542 nm	u = 0,2025
R11 = 85,1		Peak wavelength	454 nm	v = 0,3208
R12 = 67,1				
R13 = 90,2		Flicker frequency	271 Hz	TM30
R14 = 98,5		Percent Flicker	1,4 %	Rf = 85,5
R15 = 83,5		Flicker index	0,002	Rg = 95,0

[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0,63	440	46,97	500	60,00	560	78,01	620	64,70	680	24,60	740	4,92		
385	0,93	445	78,73	505	63,46	565	77,95	625	61,77	685	21,71	745	4,36		
390	0,70	450	114,97	510	66,31	570	77,81	630	58,65	690	19,38	750	3,70		
395	0,78	455	129,45	515	68,98	575	77,31	635	55,47	695	17,05	755	3,31		
400	1,01	460	113,91	520	71,08	580	76,86	640	51,92	700	14,97	760	2,94		
405	1,14	465	91,99	525	72,67	585	76,17	645	48,28	705	13,20	765	2,53		
410	1,80	470	76,25	530	74,24	590	75,46	650	44,54	710	11,50	770	2,08		
415	3,00	475	63,38	535	75,29	595	74,41	655	40,98	715	10,11	775	2,11		
420	4,80	480	55,34	540	76,34	600	73,08	660	37,42	720	8,60	780	1,81		
425	8,36	485	53,17	545	77,11	605	71,53	665	34,05	725	7,55				
430	15,19	490	54,25	550	77,56	610	69,60	670	30,72	730	6,50				
435	26,96	495	56,63	555	77,88	615	67,43	675	27,51	735	5,64				

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Burgebrach, 04.05.2021

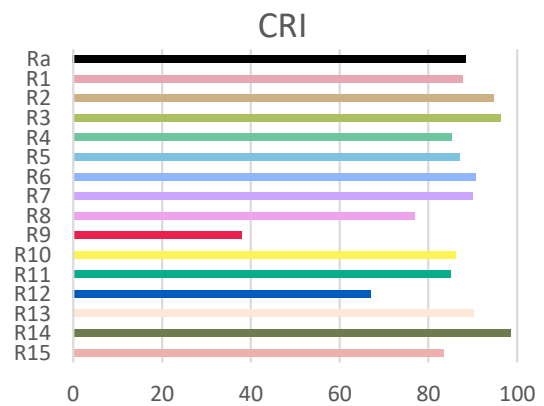
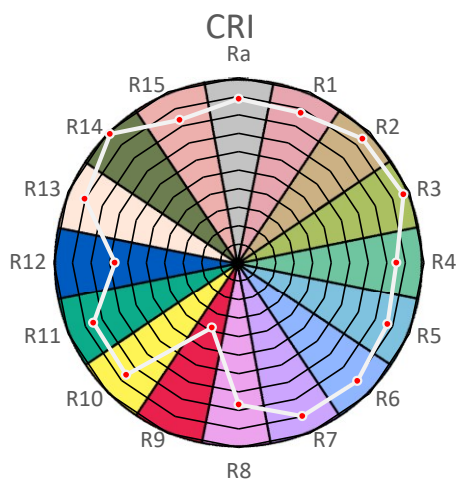
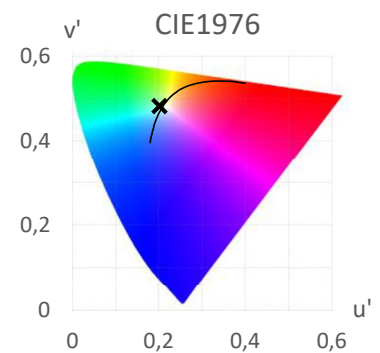
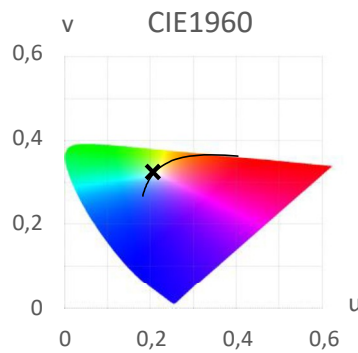
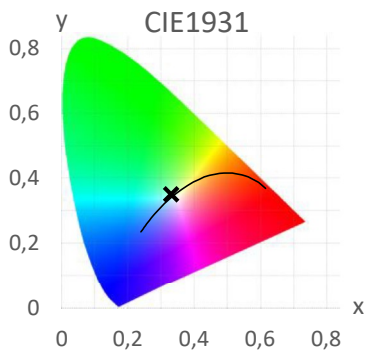
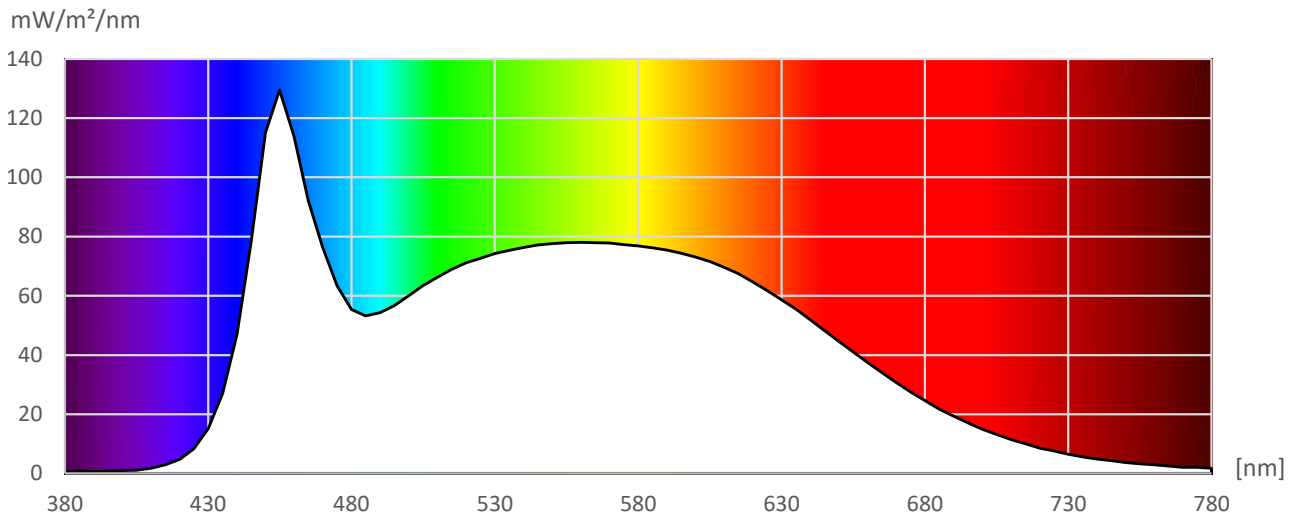
First, last name of inspector

# Measurement protocol



Test object: Varytec  
 LED Studio 150 6000K  
 505150 + 505211 / 3m

Measurement file: 505150+505211\_3  
 Date of measurement: 04.05.2021  
 Time of measurement: 15:53:12



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