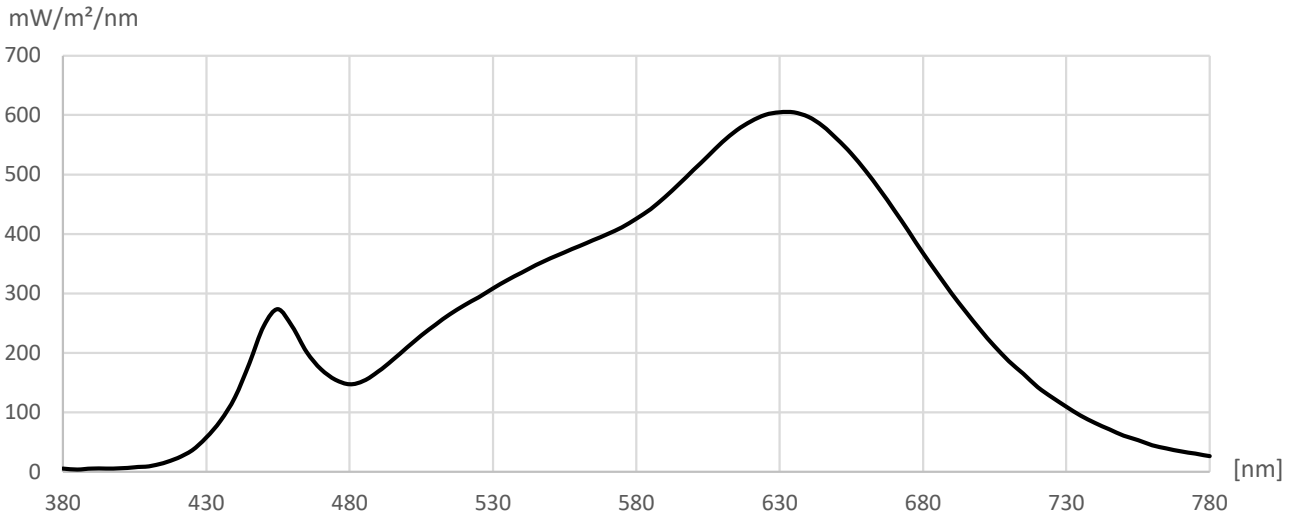


Measurement protocol



Test object: Varytec
LED Studio 150 2900K
505149 + 505210 / 1m

Measurement file: 505149+505210_1m.CS
Date of measurement: 04.05.2021
Time of measurement: 15:51:25



R1 = 99,2	Ra = 97,2	Illuminance	28194,53 lx	CIE1931
R2 = 98,9	Re = 96,1	Ee	105,630 W/m ²	x = 0,4382
R3 = 97,9	GAI = 61,7	LER	266,9 lm/W	y = 0,3958
R4 = 97,6				
R5 = 99,1		correlated color temperature (CCT)	2906 K	CIE1976
R6 = 96,6		Duv	-0,0035	u' = 0,2550
R7 = 95,2				v' = 0,5183
R8 = 92,8		Saturation	50 %	
R9 = 85,2				CIE1960
R10 = 98,0		Dominant wavelength	584 nm	u = 0,2550
R11 = 96,9		Peak wavelength	630 nm	v = 0,3455
R12 = 88,8				
R13 = 99,4		Flicker frequency	235,7 Hz	TM30
R14 = 98,0		Percent Flicker	2,1 %	Rf = 93,7
R15 = 98,0		Flicker index	0,002	Rg = 101,9

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	5,06	440	124,93	500	208,82	560	379,36	620	589,59	680	368,26	740	82,19
385	3,85	445	182,40	505	229,34	565	389,61	625	600,29	685	333,67	745	71,21
390	5,38	450	245,23	510	247,90	570	399,94	630	604,79	690	300,13	750	60,77
395	5,43	455	273,25	515	264,94	575	411,32	635	604,46	695	268,66	755	52,94
400	5,65	460	244,44	520	279,79	580	425,77	640	597,33	700	238,65	760	44,77
405	7,69	465	201,56	525	293,64	585	441,93	645	581,73	705	211,40	765	39,18
410	9,26	470	172,44	530	308,36	590	462,35	650	560,02	710	186,14	770	34,07
415	14,59	475	154,96	535	322,41	595	484,37	655	535,37	715	164,80	775	30,44
420	23,20	480	147,06	540	334,98	600	507,62	660	506,29	720	142,55	780	26,27
425	35,94	485	152,86	545	347,60	605	531,05	665	474,14	725	125,13		
430	57,22	490	168,41	550	358,76	610	554,62	670	439,76	730	109,34		
435	85,92	495	187,94	555	369,29	615	574,35	675	404,16	735	94,61		

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Burgebrach, 04.05.2021

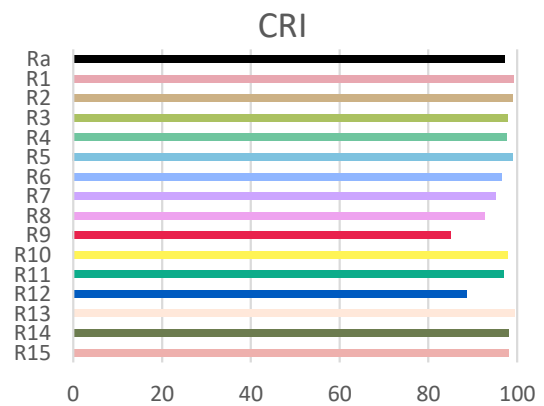
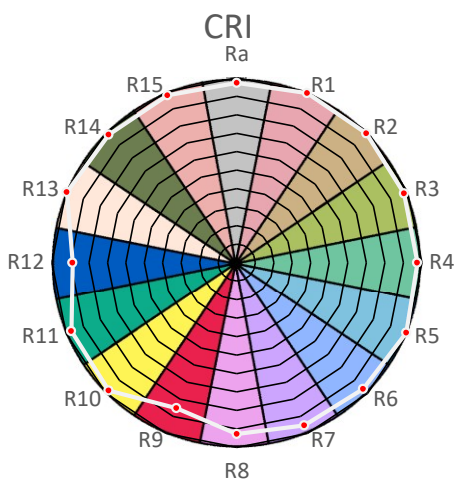
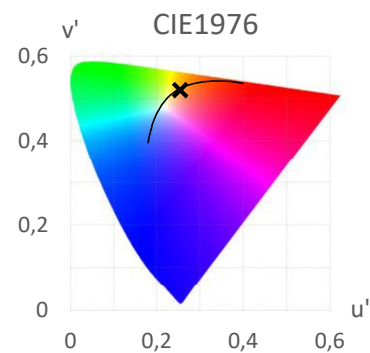
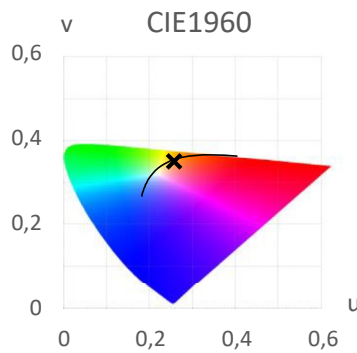
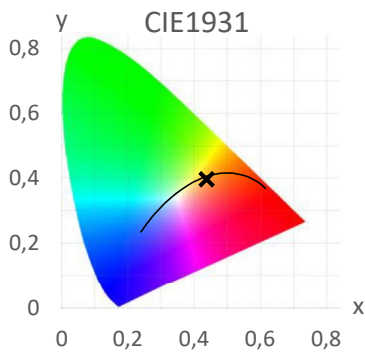
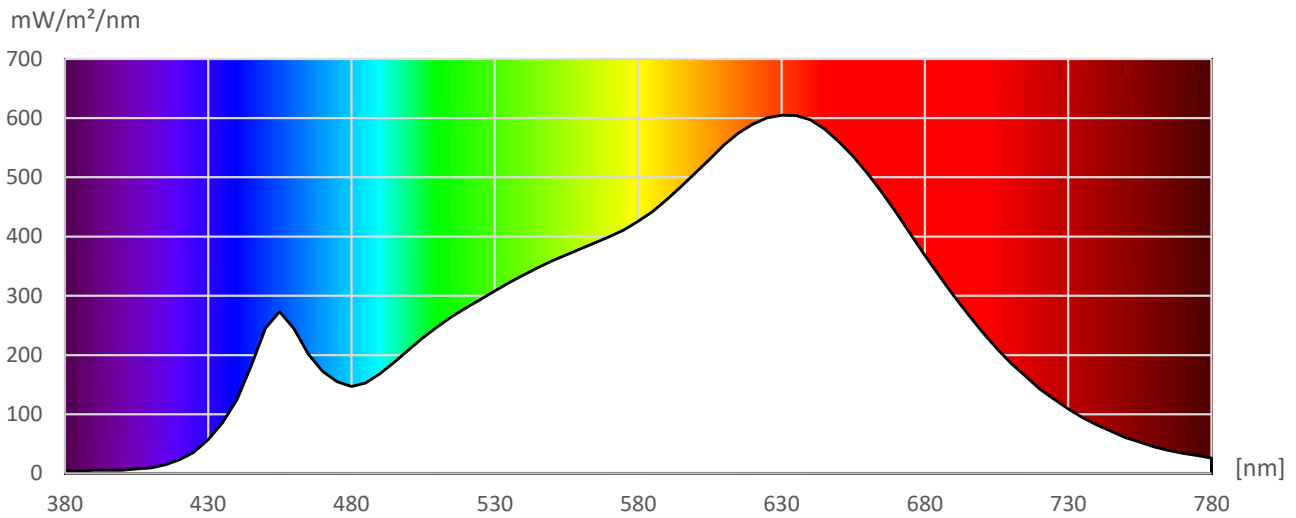
First, last name of inspector

Measurement protocol



Test object: Varytec
 LED Studio 150 2900K
 505149 + 505210 / 1m

Measurement file: 505149+505210_1
 Date of measurement: 04.05.2021
 Time of measurement: 15:51:25



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Burgebrach, 04.05.2021

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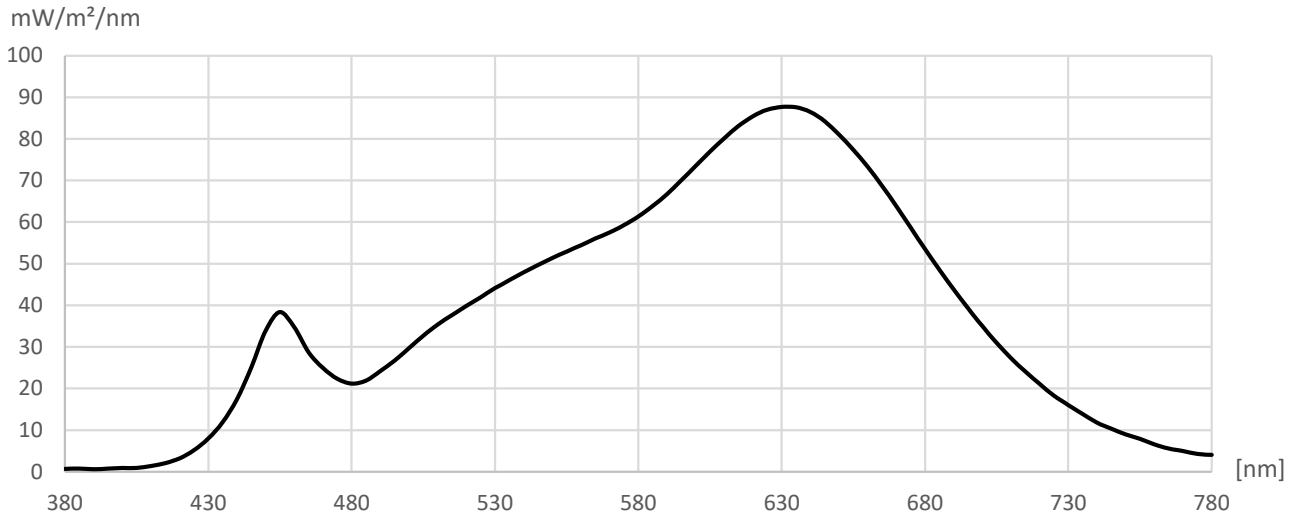
First, last name of inspector

Measurement protocol



Test object: Varytec
LED Studio 150 2900K
505149 + 505210 / 3m

Measurement file: 505149+505210_3m.CS
Date of measurement: 04.05.2021
Time of measurement: 15:51:40



R1 = 99,2	Ra = 97,2	Illuminance	4054,81 lx	CIE1931
R2 = 98,9	Re = 96,1	Ee	15,229 W/m ²	x = 0,4402
R3 = 98,1	GAI = 60,7	LER	266,3 lm/W	y = 0,3966
R4 = 97,7				
R5 = 99,1		correlated color temperature (CCT)	2881 K	CIE1976
R6 = 96,6		Duv	-0,0034	u' = 0,2560
R7 = 95,2				v' = 0,5189
R8 = 92,6		Saturation	50,9 %	
R9 = 84,8				CIE1960
R10 = 98,1		Dominant wavelength	584 nm	u = 0,2560
R11 = 97,1		Peak wavelength	630 nm	v = 0,3459
R12 = 88,8				
R13 = 99,4		Flicker frequency	236,9 Hz	TM30
R14 = 98,1		Percent Flicker	1,7 %	Rf = 93,7
R15 = 97,9		Flicker index	0,002	Rg = 101,8

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,71	440	17,44	500	29,68	560	54,45	620	85,44	680	53,56	740	11,80
385	0,74	445	25,10	505	32,74	565	56,01	625	87,01	685	48,58	745	10,35
390	0,63	450	33,96	510	35,37	570	57,50	630	87,65	690	43,85	750	8,98
395	0,76	455	38,35	515	37,64	575	59,24	635	87,57	695	39,27	755	7,89
400	0,88	460	34,75	520	39,82	580	61,34	640	86,49	700	34,97	760	6,60
405	0,91	465	28,74	525	41,96	585	63,86	645	84,22	705	31,02	765	5,58
410	1,39	470	24,91	530	44,11	590	66,76	650	81,04	710	27,33	770	4,99
415	2,03	475	22,35	535	46,04	595	69,99	655	77,43	715	24,09	775	4,30
420	3,24	480	21,15	540	47,90	600	73,49	660	73,30	720	21,10	780	4,03
425	5,18	485	21,88	545	49,66	605	76,90	665	68,75	725	18,28		
430	7,96	490	24,15	550	51,39	610	80,19	670	63,83	730	16,04		
435	11,86	495	26,75	555	52,93	615	83,13	675	58,65	735	13,89		

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Burgebrach, 04.05.2021

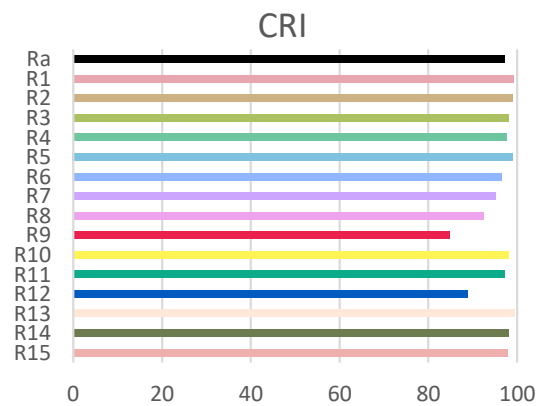
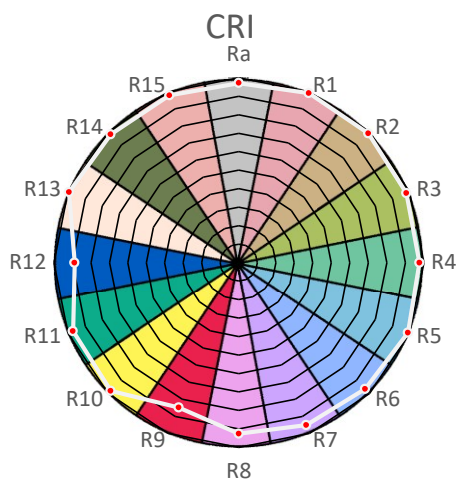
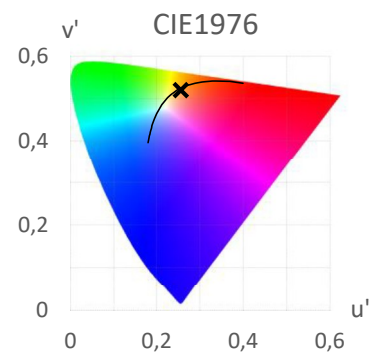
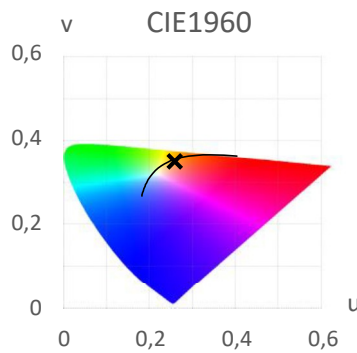
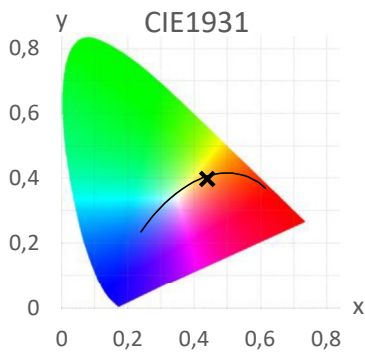
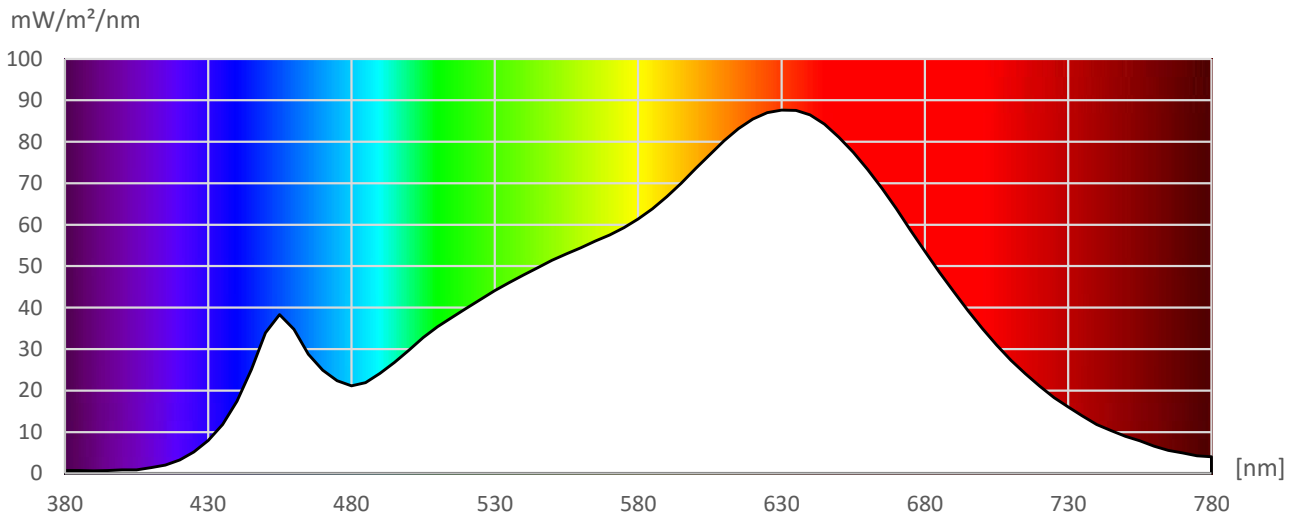
First, last name of inspector

Measurement protocol



Test object: Varytec
 LED Studio 150 2900K
 505149 + 505210 / 3m

Measurement file: 505149+505210_3
 Date of measurement: 04.05.2021
 Time of measurement: 15:51:40



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