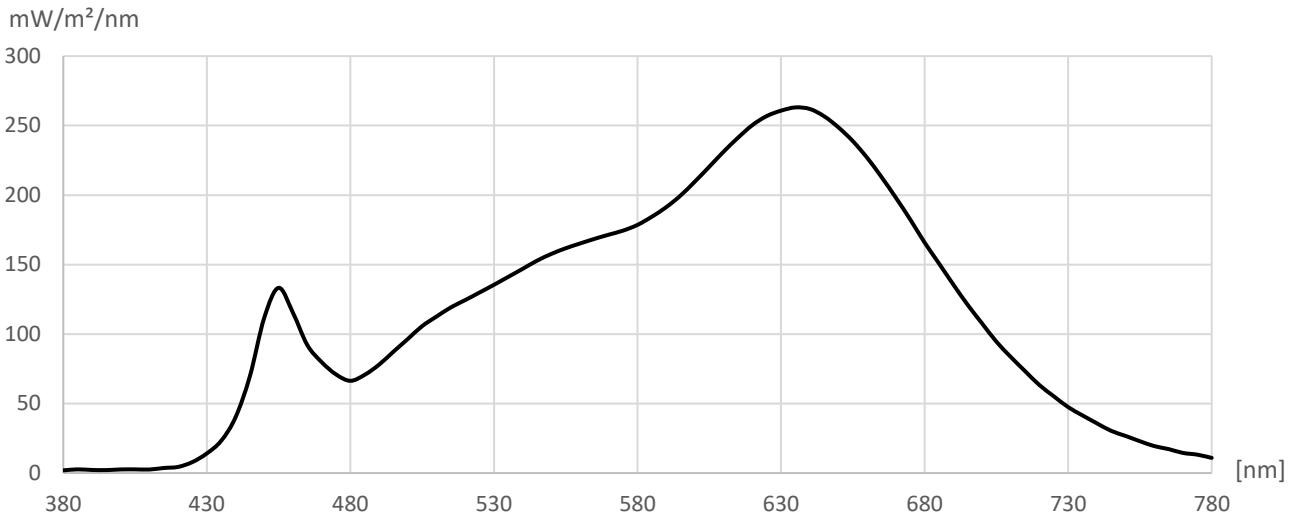


Measurement protocol



Test object: Varytec
 LED Studio 150 2900K #505149 #505210
 1m distance, Silent Mode (50W)

Measurement file: 08-45-34.CSV
 Date of measurement: 28.06.2023
 Time of measurement: 08:45:34



R1 = 98,4	Ra = 98,0	Illuminance	12153,77 lx	CIE1931
R2 = 98,6	Re = 97,0	Ee	45,972 W/m ²	x = 0,4349
R3 = 98,1	GAI = 61,3	LER	264,4 lm/W	y = 0,3981
R4 = 99,4				
R5 = 98,7		correlated color temperature (CCT)	2972 K	CIE1976
R6 = 96,4		Duv	-0,0021	u' = 0,2519
R7 = 97,3				v' = 0,5187
R8 = 97,2		Saturation	49,8 %	
R9 = 95,0				CIE1960
R10 = 99,0		Dominant wavelength	583 nm	u = 0,2519
R11 = 97,1		Peak wavelength	634 nm	v = 0,3458
R12 = 85,4				
R13 = 98,1		Flicker frequency	108,4 Hz	TM30
R14 = 98,0		Percent Flicker	1,4 %	Rf = 93,8
R15 = 98,7		Flicker index	0,003	Rg = 101,2

[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	1,94	440	40,13	500	96,46	560	165,18	620	250,32	680	165,86	740	35,80
385	2,65	445	69,70	505	105,73	565	168,48	625	256,83	685	150,87	745	30,37
390	2,22	450	111,78	510	112,63	570	171,52	630	260,73	690	135,64	750	26,71
395	2,14	455	133,27	515	119,20	575	174,46	635	263,07	695	121,05	755	22,91
400	2,59	460	115,29	520	124,46	580	178,54	640	261,95	700	107,72	760	19,40
405	2,67	465	92,09	525	129,92	585	184,42	645	256,72	705	94,56	765	17,24
410	2,55	470	79,80	530	135,44	590	191,30	650	248,68	710	83,56	770	14,48
415	3,66	475	70,95	535	141,18	595	199,67	655	238,83	715	73,32	775	13,24
420	4,43	480	66,37	540	146,93	600	209,71	660	226,79	720	63,30	780	10,91
425	7,93	485	70,72	545	152,77	605	220,36	665	212,96	725	55,25		
430	14,13	490	78,03	550	157,67	610	231,24	670	198,09	730	47,46		
435	23,21	495	87,34	555	161,75	615	241,25	675	182,44	735	41,49		

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Burgebrach, 28.06.2023

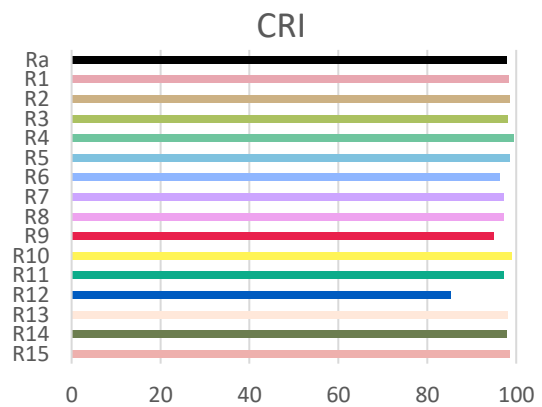
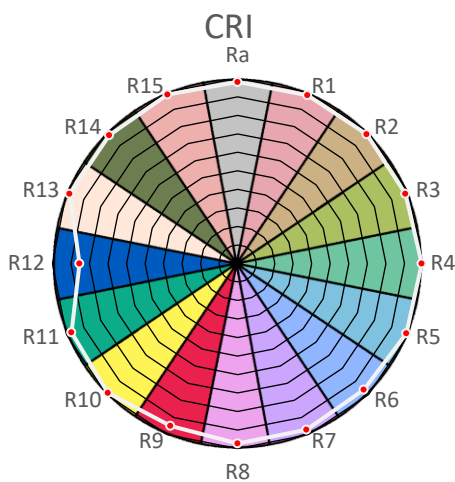
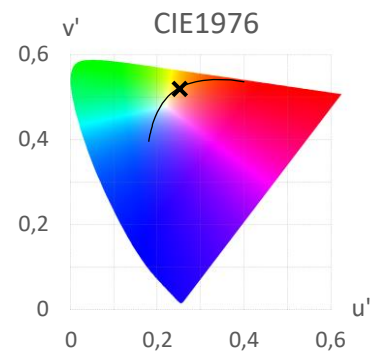
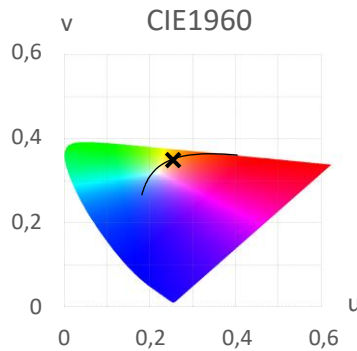
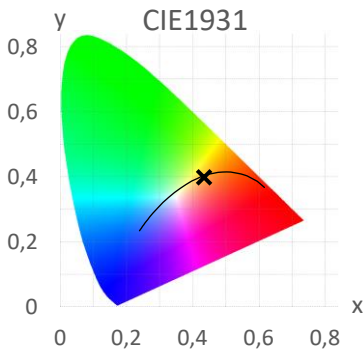
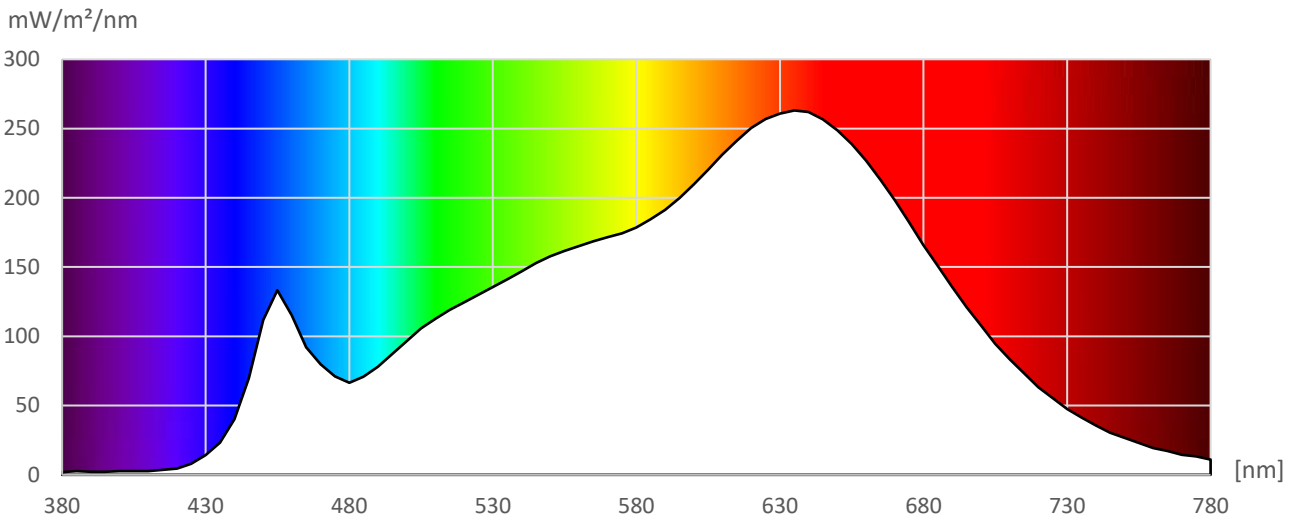
First, last name of inspector

Measurement protocol



Test object: Varytec
 LED Studio 150 2900K #505149 #505210
 1m distance, Silent Mode (50W)

Measurement file: 08-45-34.CSV
 Date of measurement: 28.06.2023
 Time of measurement: 08:45:34

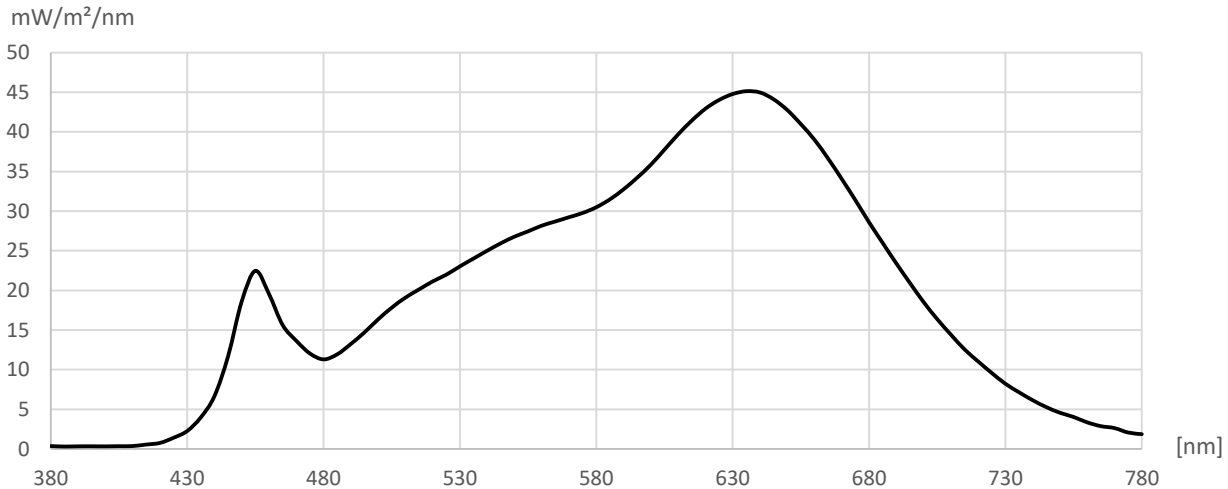


Measurement protocol



Test object: Varytec
LED Studio 150 2900K #505149 #505210
3m distance, Silent Mode (50W)

Measurement file: 08-46-32.CSV
Date of measurement: 28.06.2023
Time of measurement: 08:46:32



R1 = 98,3	Ra = 98,0	Illuminance	2072,98 lx	CIE1931
R2 = 98,6	Re = 97,0	Ee	7,858 W/m²	x = 0,4364
R3 = 98,2	GAI = 60,9	LER	263,8 lm/W	y = 0,3984
R4 = 99,4				
R5 = 98,6		correlated color temperature (CCT)	2952 K	CIE1976
R6 = 96,3		Duv	-0,0022	u' = 0,2527
R7 = 97,2				v' = 0,5190
R8 = 97,2		Saturation	50,4 %	
R9 = 95,0				CIE1960
R10 = 98,9		Dominant wavelength	583 nm	u = 0,2527
R11 = 97,1		Peak wavelength	634 nm	v = 0,3460
R12 = 85,5				
R13 = 98,1		Flicker frequency	% < 1.0 Hz	TM30
R14 = 98,0		Percent Flicker	< 1.0 %	Rf = 93,8
R15 = 98,7		Flicker index	% < 1.0	Rg = 101,2

[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm
380	0,36	440	6,67	500	16,35	560	28,17	620	42,92	680	28,60	740	6,15
385	0,30	445	11,69	505	17,82	565	28,70	625	44,03	685	25,99	745	5,28
390	0,33	450	18,62	510	19,09	570	29,24	630	44,78	690	23,41	750	4,57
395	0,34	455	22,47	515	20,12	575	29,77	635	45,14	695	20,93	755	4,03
400	0,33	460	19,54	520	21,14	580	30,50	640	44,98	700	18,53	760	3,35
405	0,35	465	15,63	525	21,99	585	31,49	645	44,12	705	16,38	765	2,87
410	0,36	470	13,65	530	23,04	590	32,76	650	42,76	710	14,42	770	2,63
415	0,56	475	12,04	535	24,03	595	34,23	655	40,98	715	12,57	775	2,07
420	0,76	480	11,30	540	25,01	600	35,86	660	39,01	720	11,04	780	1,86
425	1,41	485	11,94	545	25,95	605	37,76	665	36,64	725	9,58		
430	2,26	490	13,24	550	26,78	610	39,69	670	34,06	730	8,23		
435	3,98	495	14,70	555	27,45	615	41,42	675	31,39	735	7,15		

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Burgebrach, 28.06.2023

First, last name of inspector

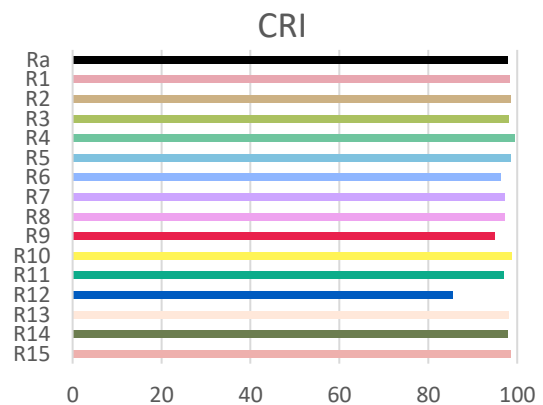
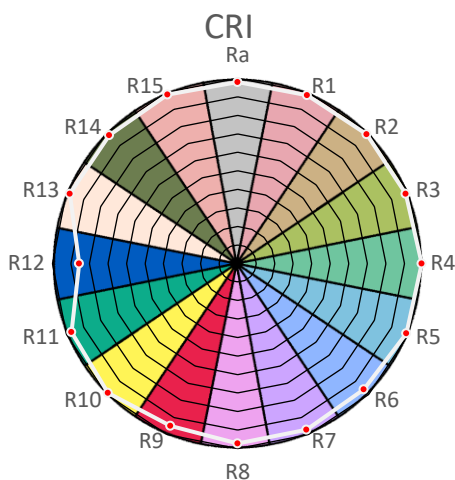
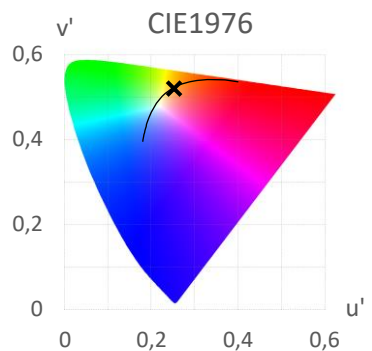
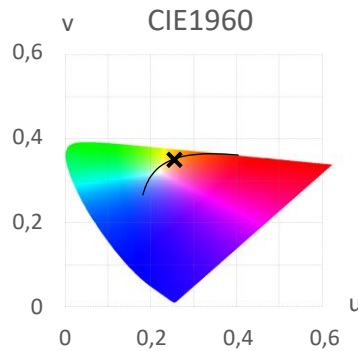
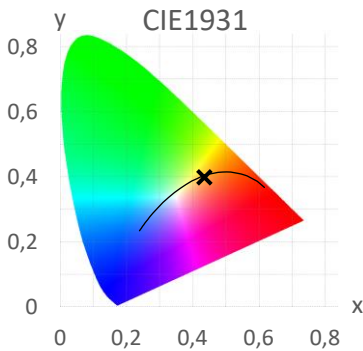
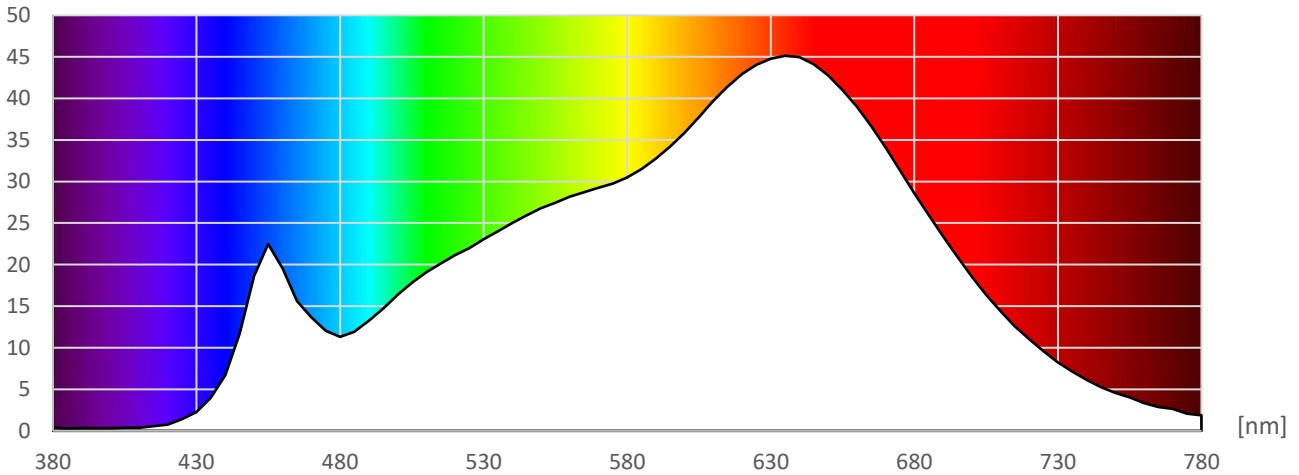
Measurement protocol



Test object: Varytec
 LED Studio 150 2900K #505149 #505210
 3m distance, Silent Mode (50W)

Measurement file: 08-46-32.CSV
 Date of measurement: 28.06.2023
 Time of measurement: 08:46:32

mW/m²/nm



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