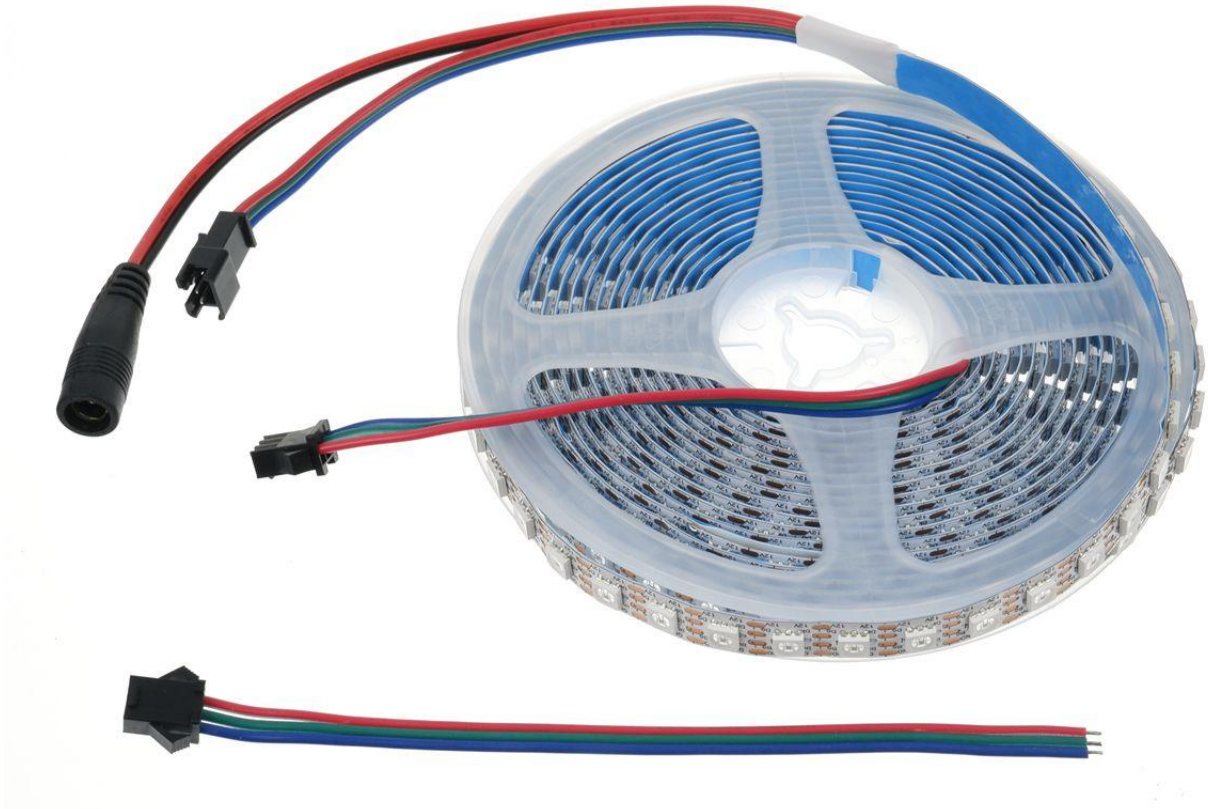
LED-Streifen LK119-96



Technische Daten

Artikel-Nr.	LK119-96
LED-Typ	5050RGB mit IC SK6813HV
Farbangaben	Rot: 620 – 625nm Grün: 520 – 525nm Blau: 465 – 470nm
Farbkonsistenz / Binning	5nm
Farbwiedergabeindex (CRI)	-
LEDs/m	96
Lumen/m (Φ_{use})	417
Breite mm	10
trennbar aller	1,04cm
Betriebsspannug	12 VDC
Leistungsaufnahme im Betrieb (P_{on})	17,3W/m
Leistungsaufnahme im Standby (P_{sb})	2,19 W/m
Leistungsaufnahme im vernetzten Standby (P_{net})	2,39 W/m
Energieeffizienzklasse (A-G)	G
Verkaufseinheit	1 Rolle = 5m

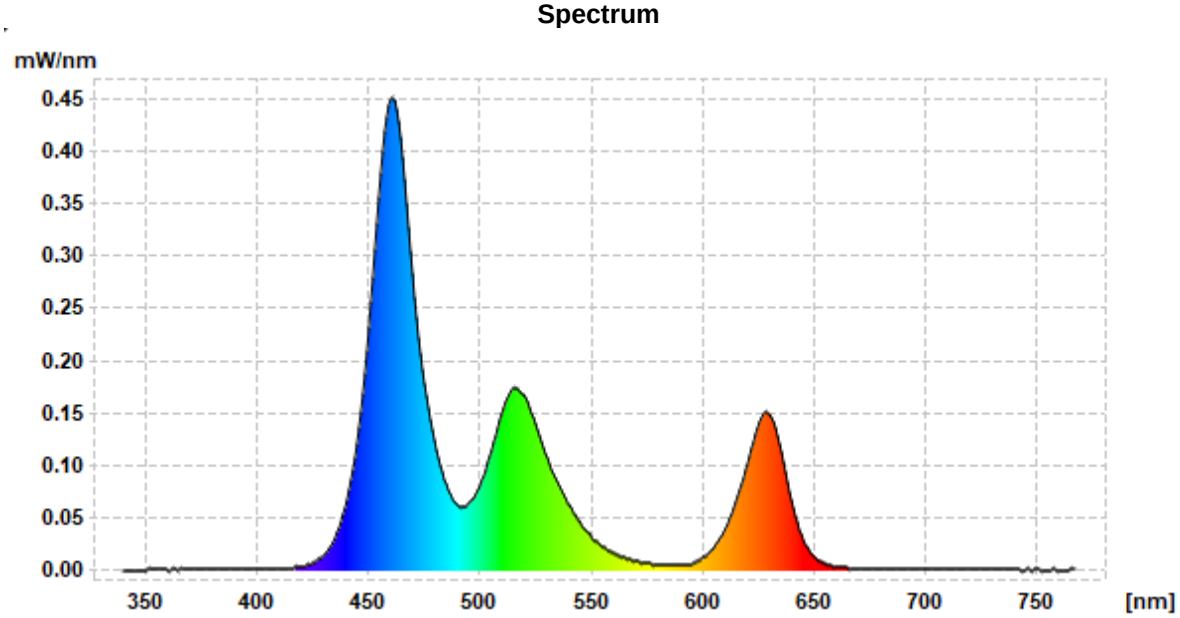
Hinweise zum Dimmen & Schalten

Für ein Dimmen des LED-Streifens ist entsprechender Pixel-LED-Controller zu verwenden.
Bei Nicht-Verwenden des LED-Bandes ist dies primärseitig inkl. des zum Betrieb verwendeten Netzteils auszuschalten.

GL SpectroSoft Report – LED-Messprotokoll

Measurement name:	*m230524-182037*	Kunde:	*LED-Studien GmbH*
Measurement time:	*2023-05-24 18:20:36*	Artikel:	*LK119-RGB*
Report time:	*2023-05-24 21:55:30*		
Messung:	*WS2815/SK6813HV*	SN Gerät.:	*Xt010208/A13W0158*

Spectrum



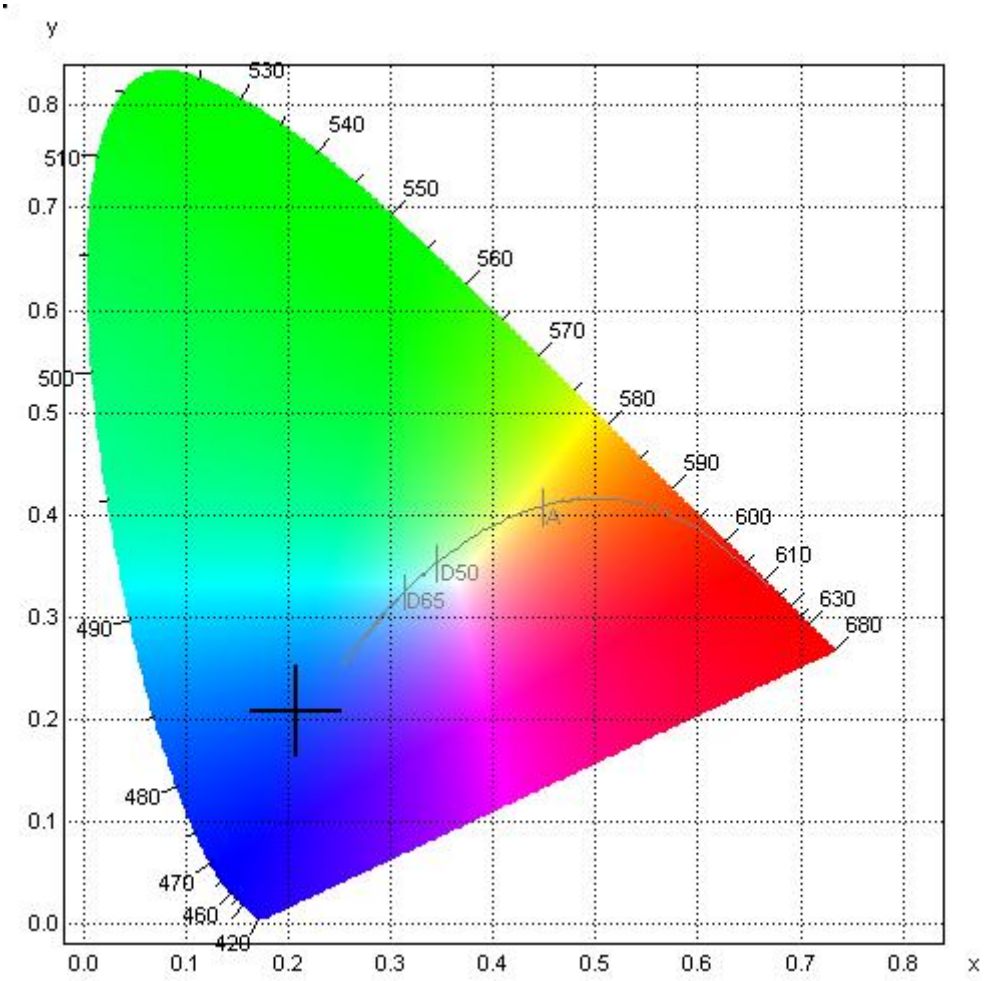
Ergebnisse / Messwerte

CIE 1931 2˚observer	
x	**0.2065**
y	**0.2068**
u'	0.1630
v'	0.3672
L	100.00
a	8.35
b	-75.23
X	4.34
Y	**4.34 lm**
Z	12.32

Farbtemperatur	
CCT	**- K**
Color Rendering Index (CRI)	
Ra	**56.7**
Luminous Intensity	
Y	**4.34 lm**
Binning	
Binning	
Sonstige	
Chromaticity Error	0.116
Color Peak	461.90
Color Peak Value	0.45
Color Dominant	477.0
Radiometric	0.0219

Rendering Indices	
R1	76.2
R2	56.7
R3	17.0
R4	48.7
R5	76.0
R6	41.5
R7	54.9
R8	83.1
R9	20.2
R10	-19.0
R11	27.8
R12	12.9
R13	64.3
R14	54.4

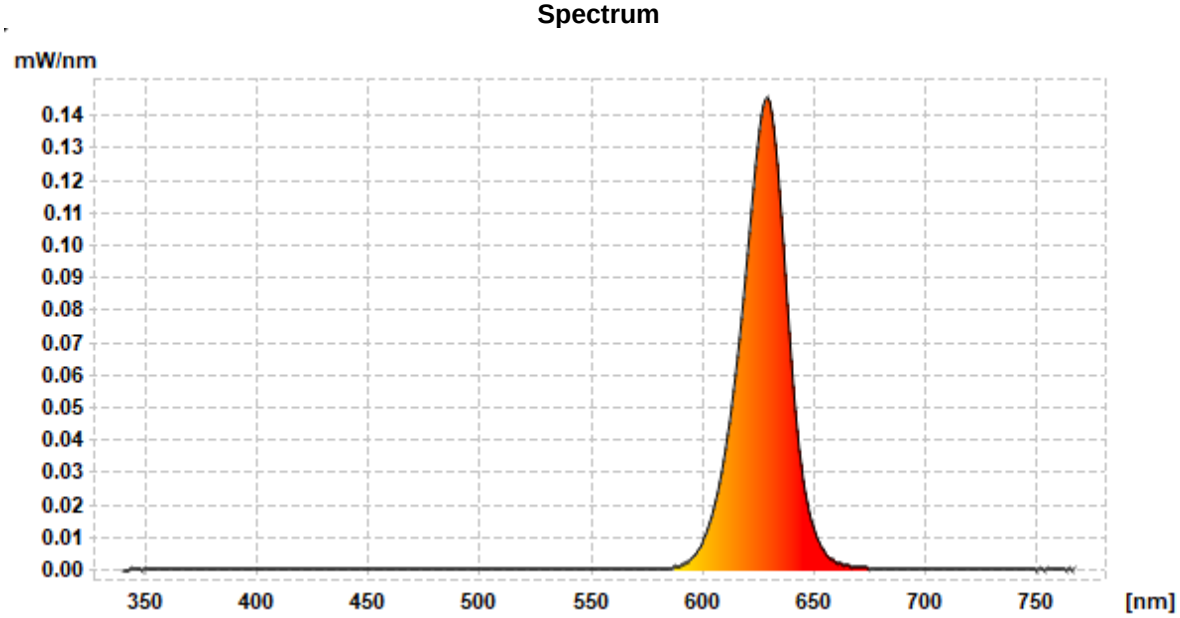
CIE 1931


y
x
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
530
540
550
560
570
580
590
600
610
630
680
510
500
490
480
470
460
420
D50
D65

GL SpectroSoft Report – LED-Messprotokoll

Measurement name:	*m230524-181858*	Kunde:	*LED-Studien GmbH*
Measurement time:	*2023-05-24 18:18:57*	Artikel:	*LK119-R*
Report time:	*2023-05-24 21:49:06*		
Messung:	*WS2815/SK6813HV*	SN Gerät.:	*Xt010208/A13W0158*

Spectrum



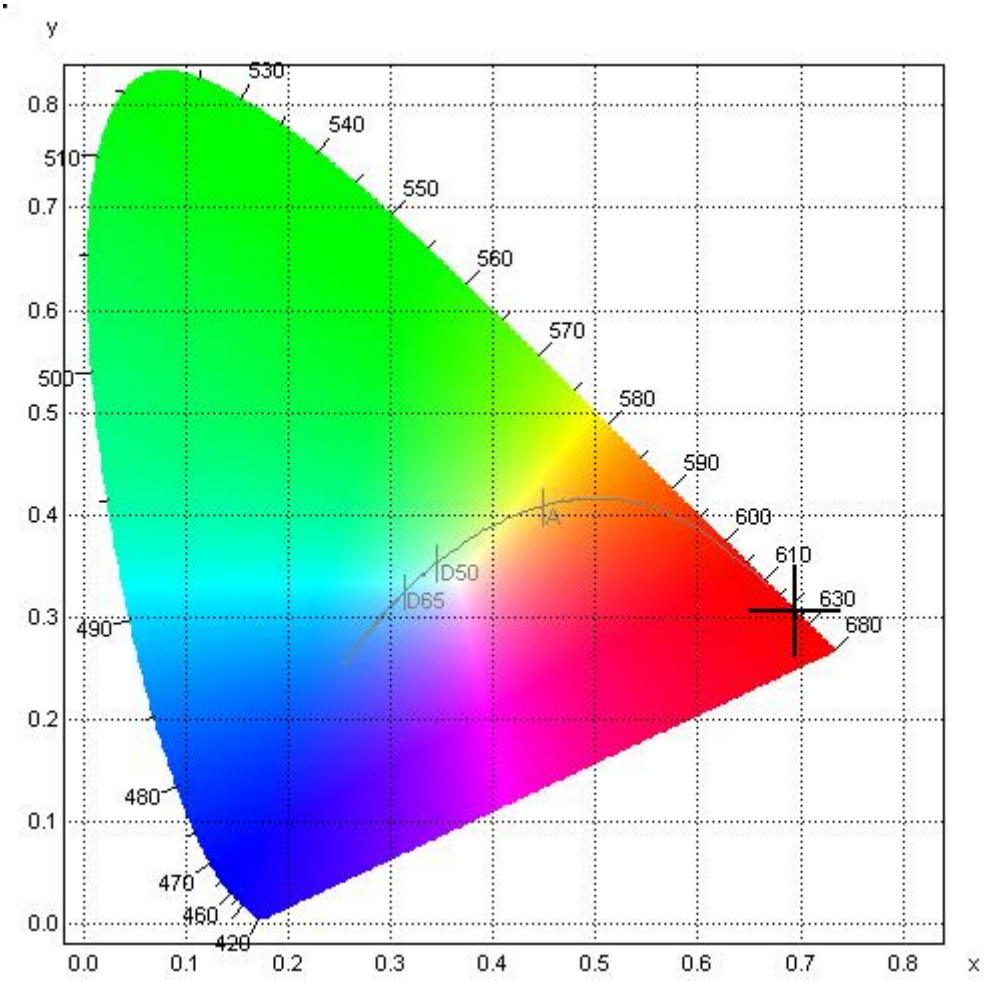
Ergebnisse / Messwerte

CIE 1931 2˚observer	
x	**0.6956**
y	**0.3044**
u'	0.5288
v'	0.5207
L	100.00
a	169.84
b	nan
X	1.68
Y	**0.74 lm**
Z	0.00

Farbtemperatur	
CCT	**- K**
Color Rendering Index (CRI)	
Ra	**-38.8**
Luminous Intensity	
Y	**0.74 lm**
Binning	
Binning	
Sonstige	
Chromaticity Error	0.300
Color Peak	629.18
Color Peak Value	0.15
Color Dominant	622.0
Radiometric	0.0036

Rendering Indices	
R1	-105.9
R2	-16.1
R3	64.9
R4	-96.5
R5	-91.7
R6	-65.3
R7	45.8
R8	-45.5
R9	-357.9
R10	-103.7
R11	-163.5
R12	-81.5
R13	-100.0
R14	66.6

CIE 1931



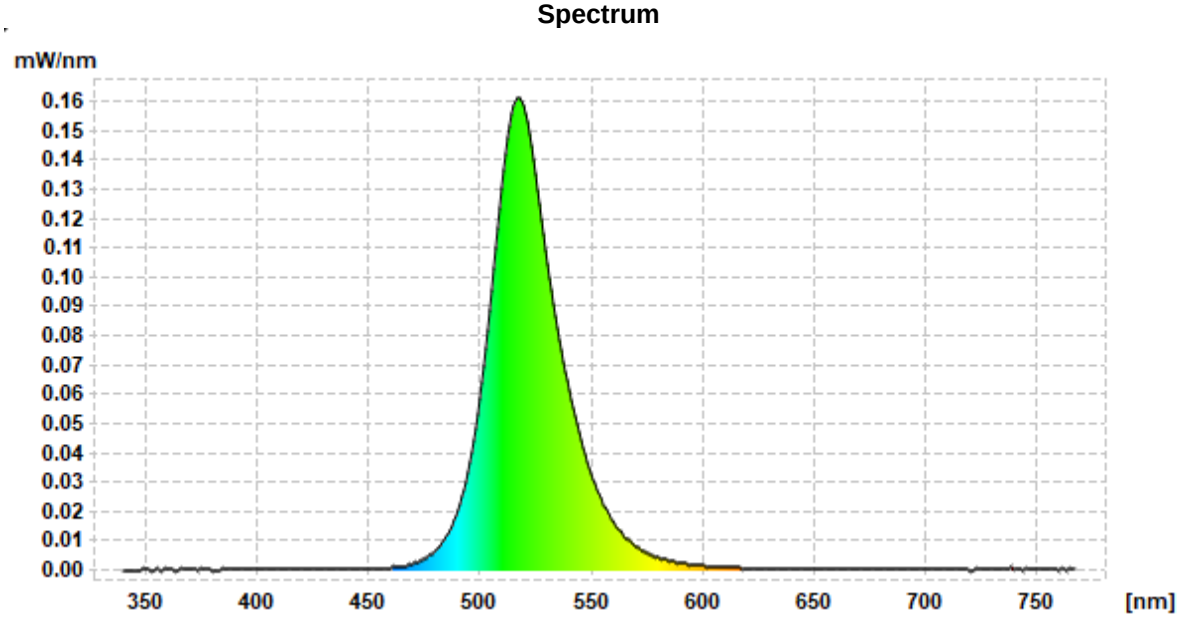
Weitere Messungen

Pos	Name	x2	y2	Y2	CCT	Ra	Chromaticity Error	Peak Wavelength	Dominant Wavelength
				lm	K			nm	nm
1	m230524-181858	0,6956	0,3044	0,74	0	-38,8	0,3	629,18	622
2	m230524-181911	0,6975	0,3025	0,71	0	-35,7	0,303	630,85	623,1
3	m230524-181915	0,6977	0,3023	0,7	0	-38,2	0,304	630,85	623,2

GL SpectroSoft Report – LED-Messprotokoll

Measurement name:	*m230524-181922*	Kunde:	*LED-Studien GmbH*
Measurement time:	*2023-05-24 18:19:22*	Artikel:	*LK119-G*
Report time:	*2023-05-24 21:52:45*		
Messung:	*WS2815/SK6813HV*	SN Gerät.:	*Xt010208/A13W0158*

Spectrum



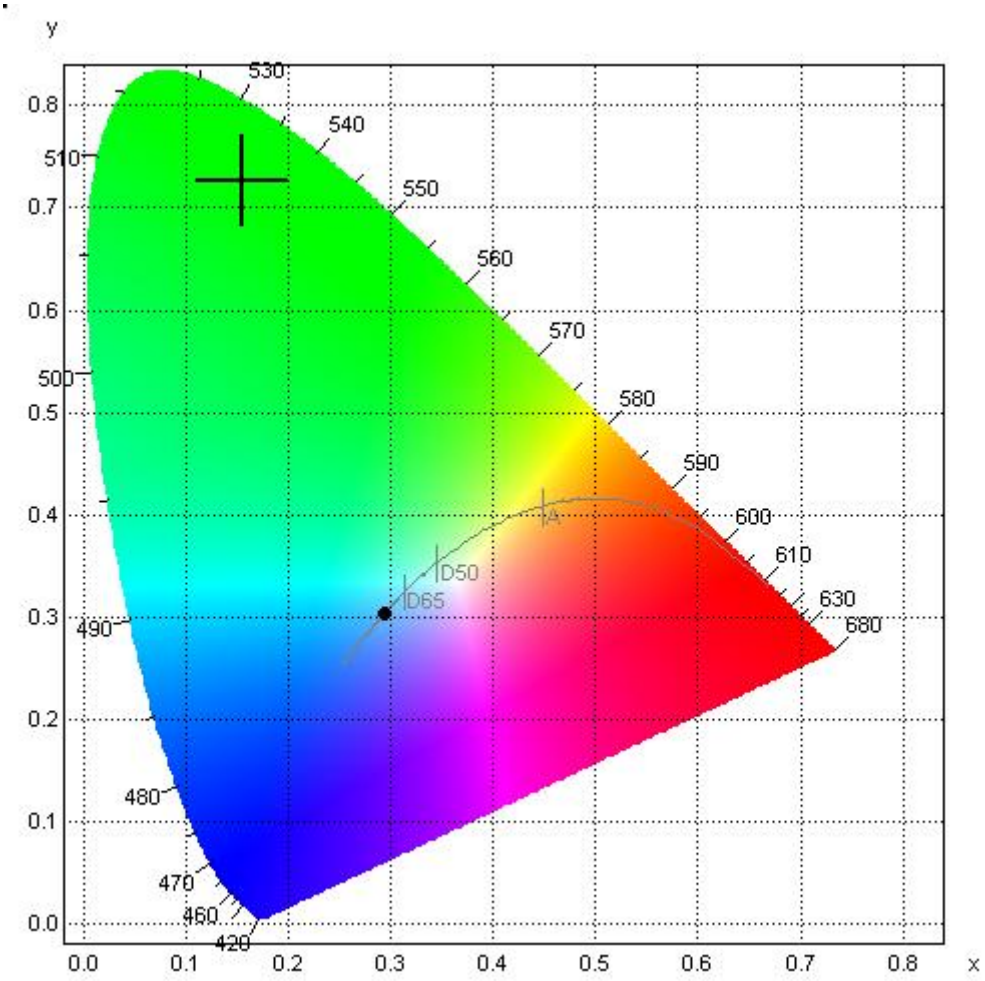
Ergebnisse / Messwerte

CIE 1931 2˚observer	
x	**0.1536**
y	**0.7263**
u'	0.0539
v'	0.5730
L	100.00
a	-197.01
b	93.31
X	0.60
Y	**2.84 lm**
Z	0.47

Farbtemperatur	
CCT	**8089 K**
Color Rendering Index (CRI)	
Ra	**-26.9**
Luminous Intensity	
Y	**2.84 lm**
Binning	
Binning	
Sonstige	
Chromaticity Error	0.172
Color Peak	518.16
Color Peak Value	0.16
Color Dominant	524.1
Radiometric	0.0060

Rendering Indices	
R1	-36.2
R2	-10.6
R3	-26.8
R4	-67.2
R5	-10.0
R6	-18.5
R7	-11.4
R8	-34.5
R9	-359.7
R10	-110.6
R11	-96.1
R12	-33.5
R13	-42.6
R14	36.9

CIE 1931



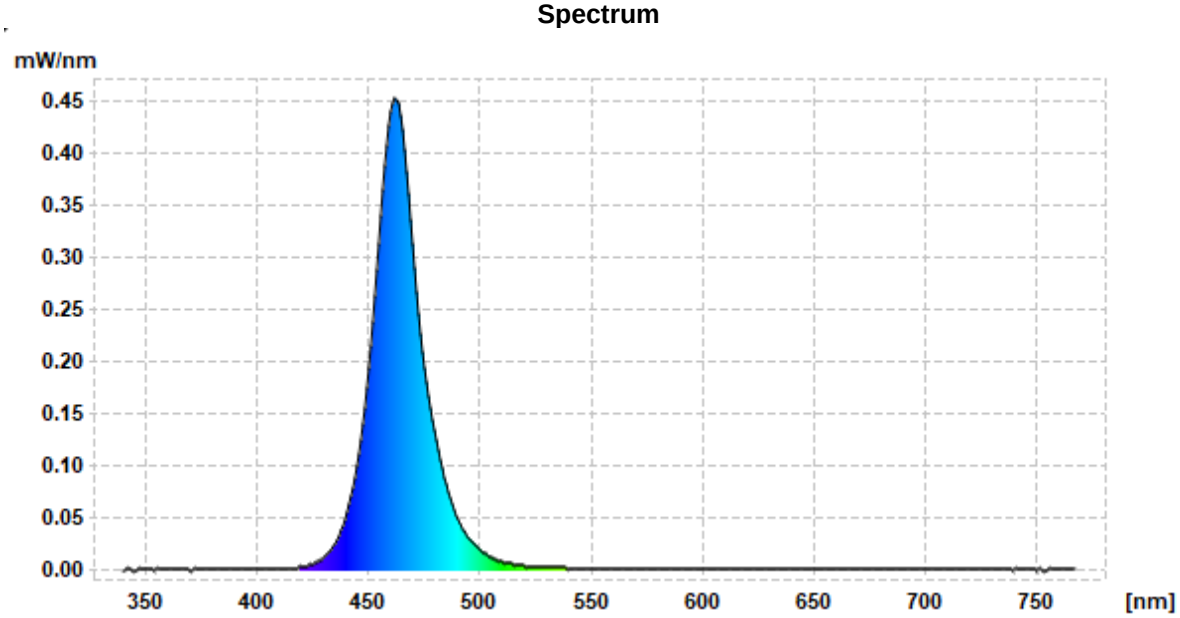
Weitere Messungen

Pos	Name	x2	y2	Y2	CCT	Ra	Chromaticity Error	Peak Wavelength	Dominant Wavelength
				lm	K			nm	nm
1	m230524-181922	0,1536	0,7263	2,84	8089	-26,9	0,172	518,16	524,1
2	m230524-181930	0,1557	0,7262	2,85	8057	-26,8	0,171	518,16	524,5
3	m230524-181934	0,1525	0,7239	2,69	8122	-26,5	0,172	518,16	523,7

GL SpectroSoft Report – LED-Messprotokoll

Measurement name:	*m230524-181831*	Kunde:	*LED-Studien GmbH*
Measurement time:	*2023-05-24 18:18:30*	Artikel:	*LK119-B*
Report time:	*2023-05-24 21:43:47*		
Messung:	*WS2815/SK6813HV*	SN Gerät.:	*Xt010208/A13W0158*

Spectrum



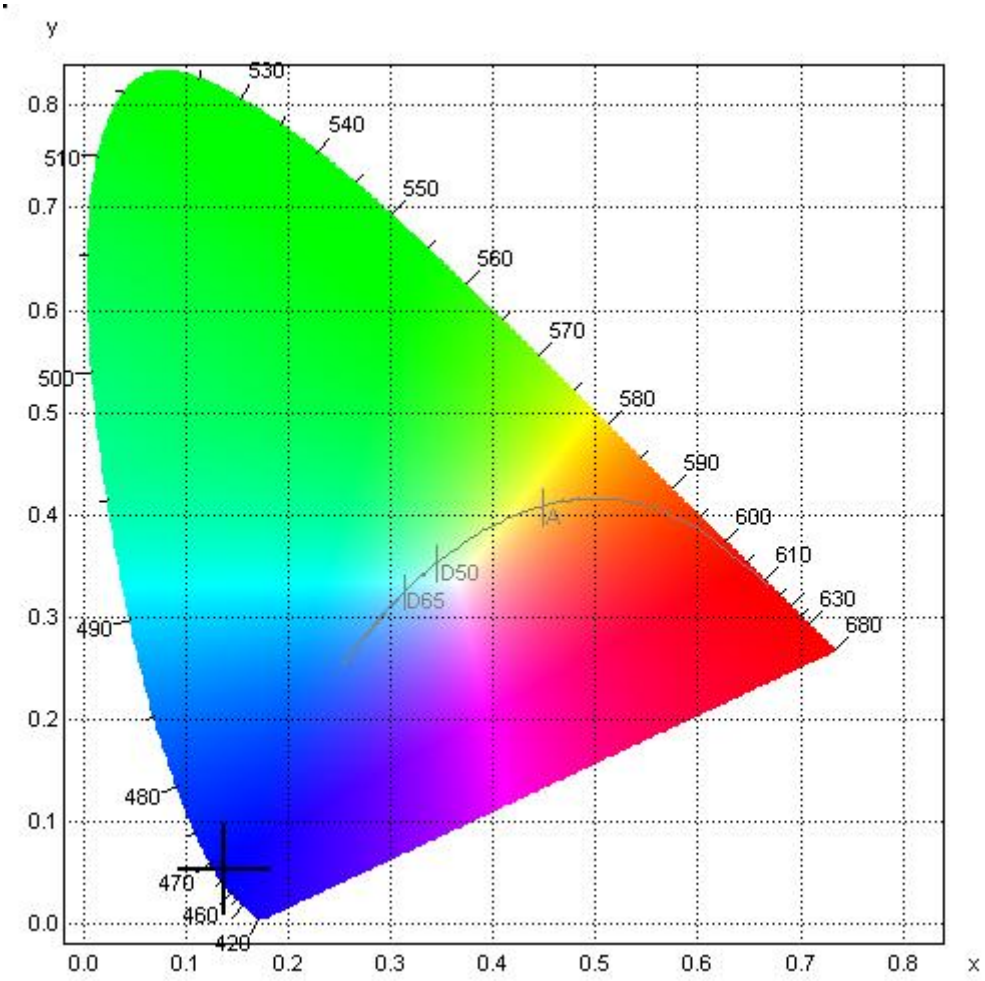
Ergebnisse / Messwerte

CIE 1931 2˚observer	
x	**0.1368**
y	**0.0521**
u'	0.1632
v'	0.1399
L	100.00
a	201.57
b	-285.48
X	1.94
Y	**0.74 lm**
Z	11.48

Farbtemperatur	
CCT	**- K**
Color Rendering Index (CRI)	
Ra	**-57.1**
Luminous Intensity	
Y	**0.74 lm**
Binning	
Binning	
Sonstige	
Chromaticity Error	0.286
Color Peak	461.90
Color Peak Value	0.45
Color Dominant	466.8
Radiometric	0.0120

Rendering Indices	
R1	-63.0
R2	-6.6
R3	-78.1
R4	-109.7
R5	-45.4
R6	-45.6
R7	-25.0
R8	-83.1
R9	-435.5
R10	-123.3
R11	-160.1
R12	-132.3
R13	-51.0
R14	0.1

CIE 1931



Weitere Messungen

Pos	Name	x2	y2	Y2	CCT	Ra	Chromaticity Error	Peak Wavelength	Dominant Wavelength
				lm	K			nm	nm
1	m230524-181831	0,1368	0,0521	0,74	0	-57,1	0,286	461,9	466,8
2	m230524-181837	0,1368	0,0523	0,72	0	-56,8	0,285	461,9	466,8
3	m230524-181842	0,1323	0,0622	0,8	0	-55	0,266	465,56	469,2