LED-Neonflex LK04-3h

Technische Daten

Artikel-Nr.	LK04-3h
LED-Typ	5050 RGB
Farbangaben	Rot: 620 – 625nm Grün: 520 – 525nm Blau: 465 – 470nm
Farbkonsistenz / Binning	5nm
Farbwiedergabeindex (CRI)	-
LEDs/m	96
Lumen/m (Φ_{use})	Rot: 140 Grün: 500 Blau: 110
Breite mm	11
trennbar aller	6,2cm
Betriebsspannug	24 VDC
Nennleistung	20,0 W/m
Leistungsaufnahme im Betrieb (P_{on})	14,8 W/m
Leistungsaufnahme im Standby (P_{sb})	0 W/m
Energieeffizienzklasse (A-G)	G
Verkaufseinheit	1 Rolle = 5m

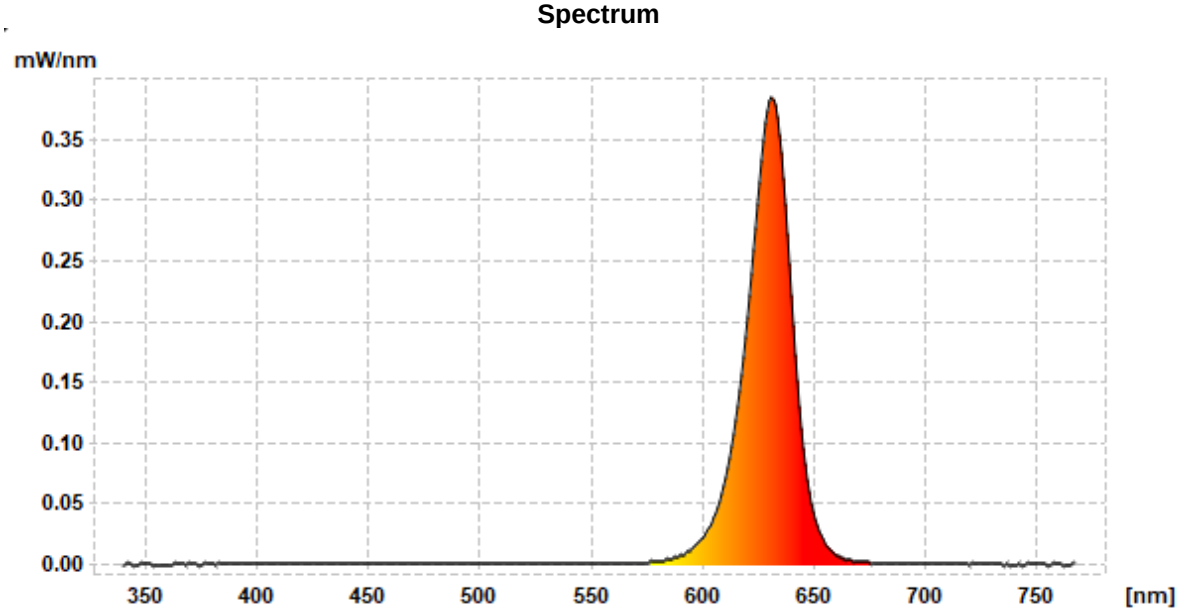
Hinweise zum Dimmen & Schalten

Für ein Dimmen des LED-Neonflex ist ein PWM-LED-Controller im passenden Spannungsbereich, mit ausreichender Leistung und min. 400Hz PWM 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:	*m210817-205103*	Kunde:	*LED-Studien GmbH*
Measurement time:	*2021-08-17 20:51:02*	Artikel:	*LK04-3h-R*
Report time:	*2021-08-19 11:10:41*		
Messung:	*5050 RGB*	SN Gerät.:	*Xt010208/A13W0158*

Spectrum



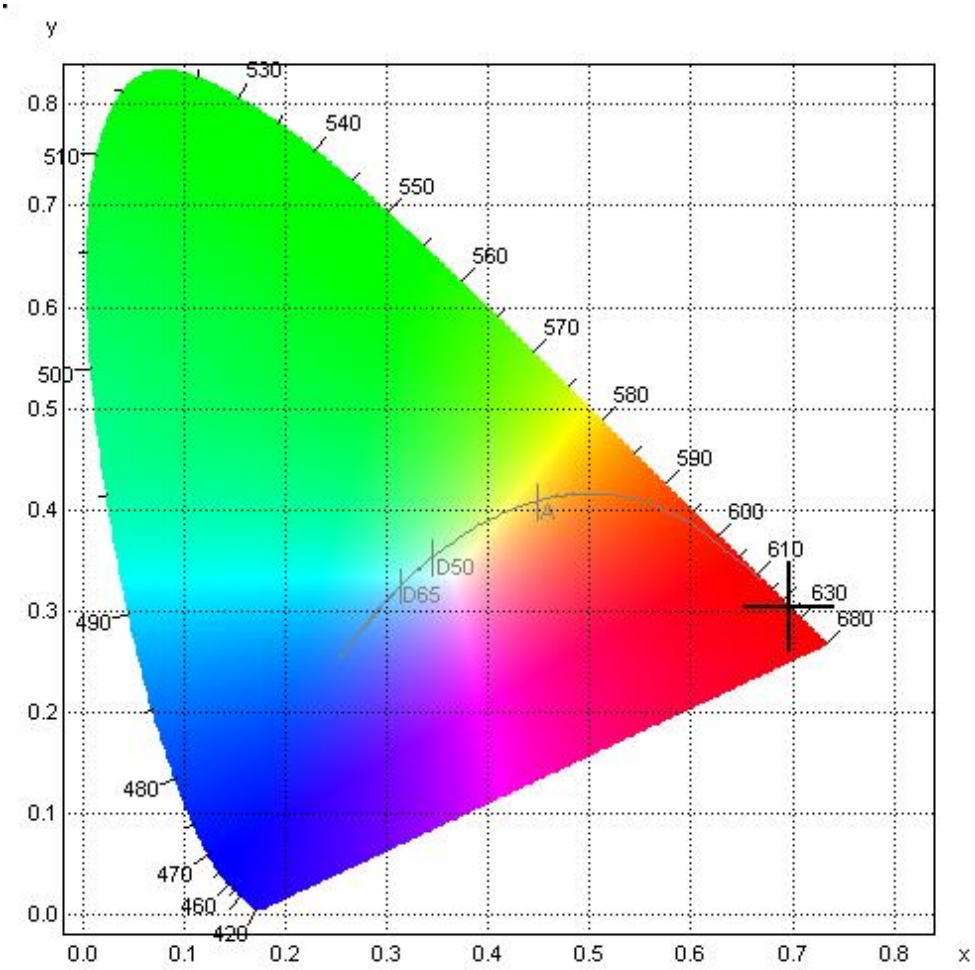
Ergebnisse / Messwerte

CIE 1931 2˚observer	
x	**0.6968**
y	**0.3032**
u'	0.5315
v'	0.5203
L	100.00
a	171.14
b	nan
X	4.16
Y	**-**
Z	0.00

Farbtemperatur	
CCT	**- K**
Color Rendering Index (CRI)	
Ra	**-33.0**
Luminous Intensity	
Y	**-**
Binning	
Binning	
Sonstige	
Chromaticity Error	0.303
Color Peak	630.85
Color Peak Value	0.38
Color Dominant	622.7
Radiometric	0.0092

Rendering Indices	
R1	-98.2
R2	-17.3
R3	62.3
R4	-79.9
R5	-81.1
R6	-67.6
R7	48.1
R8	-30.5
R9	-317.3
R10	-104.2
R11	-155.8
R12	-84.4
R13	-98.7
R14	68.4

CIE 1931



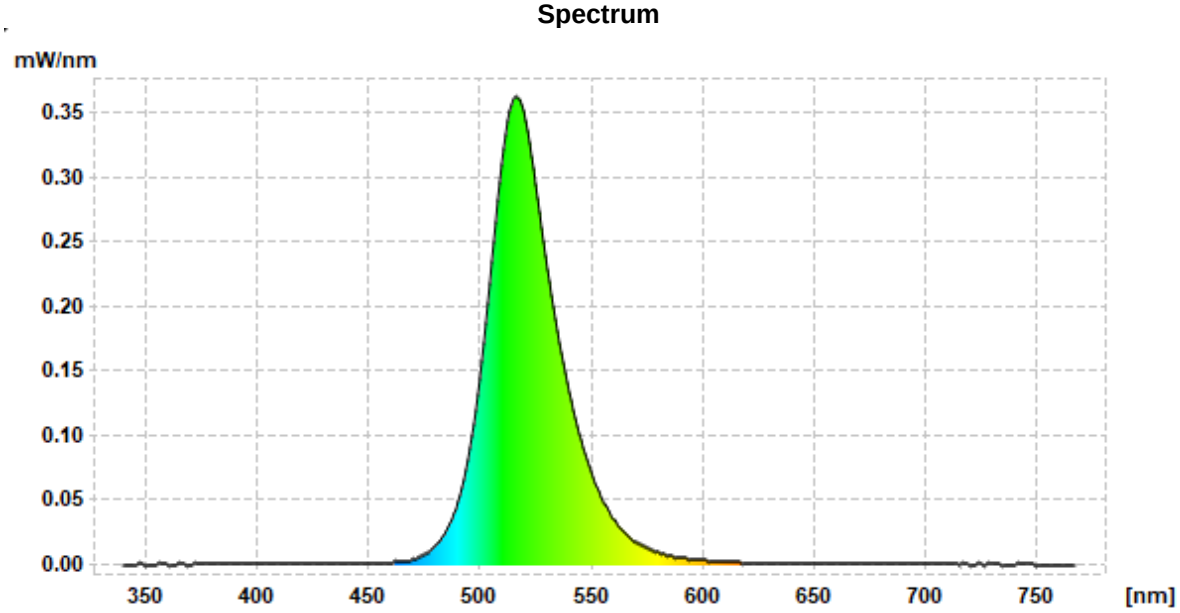
Weitere Messungen

Pos	Name	x2	y2	Y2	CCT	Ra	Chromaticity Error	Peak Wavelength	Dominant Wavelength
				lm	K			nm	nm
1	m210817-205103	0,6968	0,3032	-	0	-33	0,303	630,85	622,7
2	m210817-205117	0,6948	0,3052	-	0	-30,6	0,299	630,85	621,6
3	m210817-205122	0,6972	0,3028	-	0	-33,6	0,303	632,51	622,9

GL SpectroSoft Report – LED-Messprotokoll

Measurement name:	*m210817-205136*	Kunde:	*LED-Studien GmbH*
Measurement time:	*2021-08-17 20:51:35*	Artikel:	*LK04-3h-G*
Report time:	*2021-08-19 11:12:01*		
Messung:	*5050 RGB*	SN Gerät.:	*Xt010208/A13W0158*

Spectrum



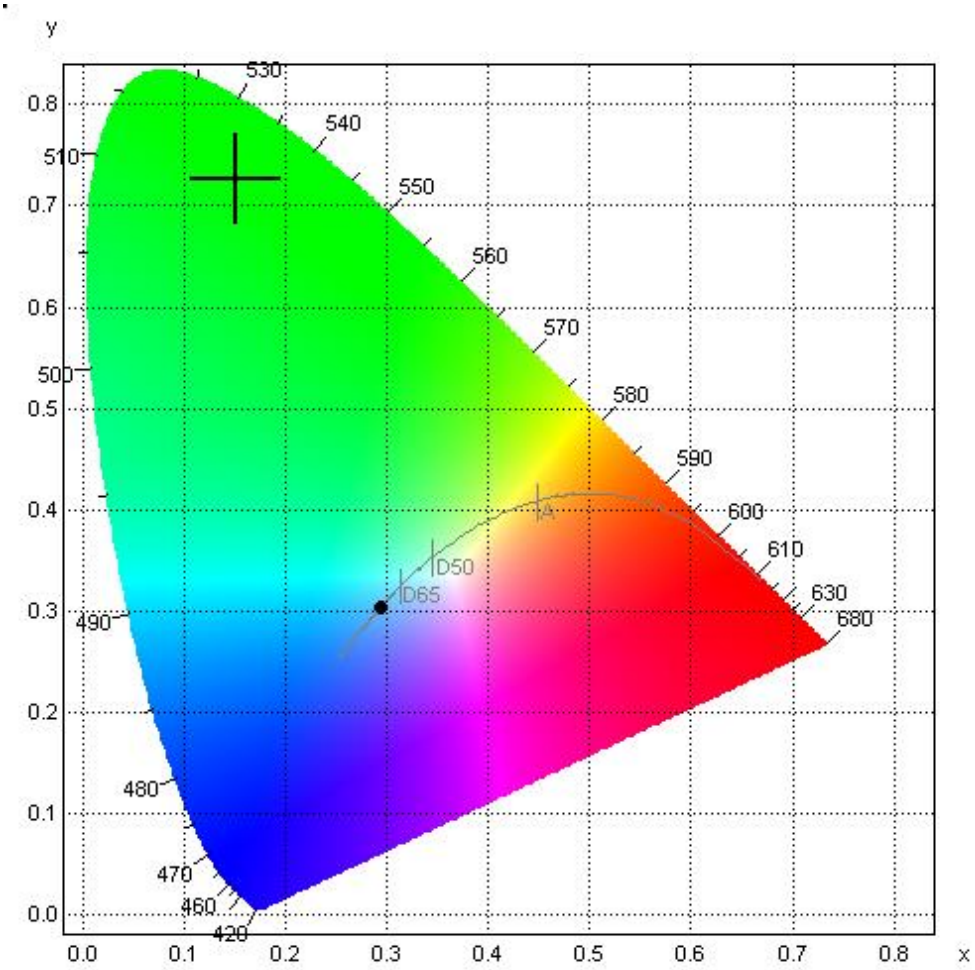
Ergebnisse / Messwerte

CIE 1931 2˚observer	
x	**0.1500**
y	**0.7269**
u'	0.0525
v'	0.5727
L	100.00
a	-199.52
b	92.44
X	1.31
Y	**-**
Z	1.08

Farbtemperatur	
CCT	**8130 K**
Color Rendering Index (CRI)	
Ra	**-28.5**
Luminous Intensity	
Y	**-**
Binning	
Binning	
Sonstige	
Chromaticity Error	0.173
Color Peak	516.36
Color Peak Value	0.36
Color Dominant	523.5
Radiometric	0.0135

Rendering Indices	
R1	-36.3
R2	-12.0
R3	-30.2
R4	-69.3
R5	-10.0
R6	-19.9
R7	-14.6
R8	-36.1
R9	-359.9
R10	-113.2
R11	-98.3
R12	-35.1
R13	-43.1
R14	35.3

CIE 1931



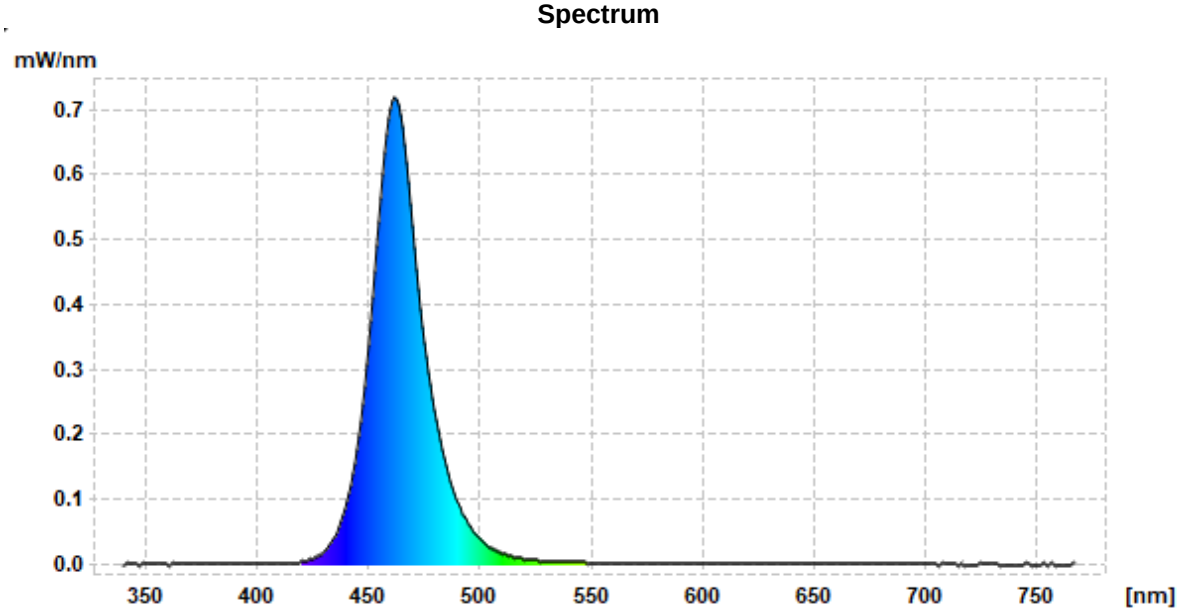
Weitere Messungen

Pos	Name	x2	y2	Y2	CCT	Ra	Chromaticity Error	Peak Wavelength	Dominant Wavelength
				lm	K			nm	nm
1	m210817-205136	0,15	0,7269	-	8130	-28,5	0,173	516,36	523,5
2	m210817-205141	0,1548	0,7293	-	8057	-28,6	0,172	518,16	524,6
3	m210817-205147	0,1603	0,7126	-	8057	-24	0,169	516,36	524,2

GL SpectroSoft Report – LED-Messprotokoll

Measurement name:	*m210817-205212*	Kunde:	*LED-Studien GmbH*
Measurement time:	*2021-08-17 20:52:11*	Artikel:	*LK04-3h-B*
Report time:	*2021-08-19 11:13:08*		
Messung:	*5050 RGB*	SN Gerät.:	*Xt010208/A13W0158*

Spectrum



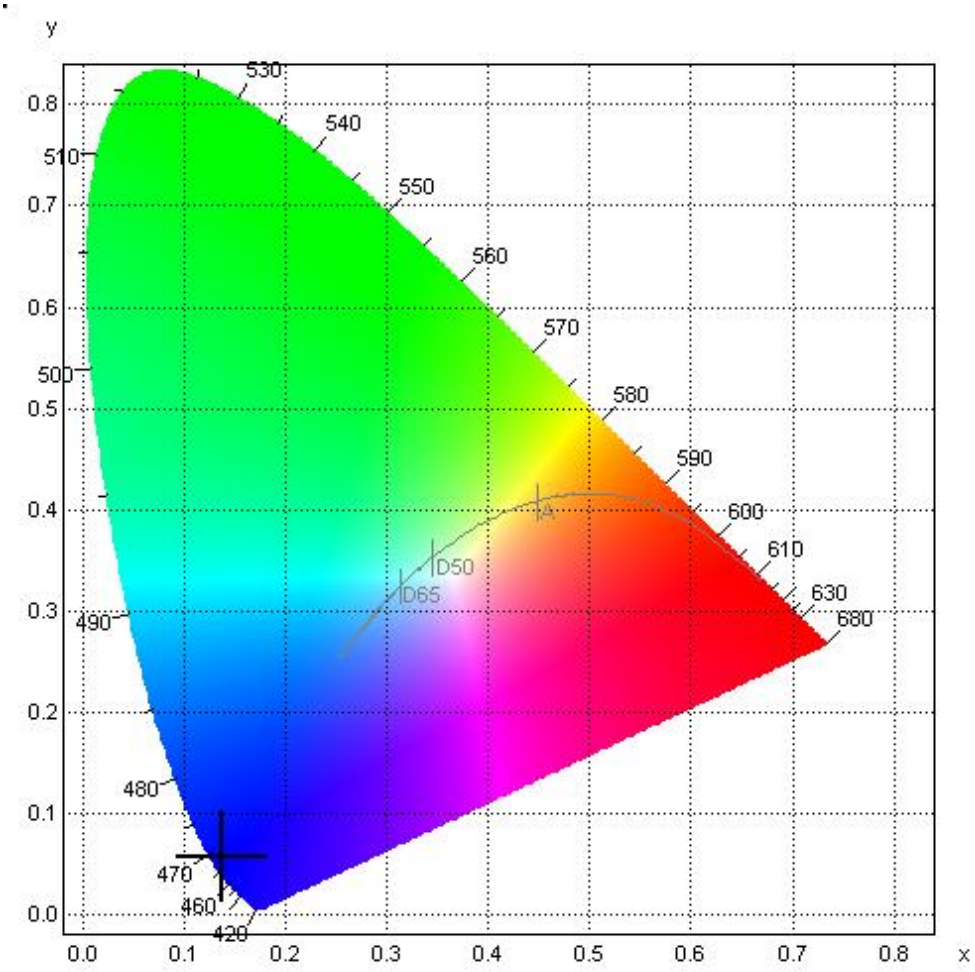
Ergebnisse / Messwerte

CIE 1931 2˚observer	
x	**0.1363**
y	**0.0557**
u'	0.1605
v'	0.1477
L	100.00
a	185.16
b	-274.08
X	3.23
Y	**-**
Z	19.18

Farbtemperatur	
CCT	**- K**
Color Rendering Index (CRI)	
Ra	**-56.6**
Luminous Intensity	
Y	**-**
Binning	
Binning	
Sonstige	
Chromaticity Error	0.280
Color Peak	461.90
Color Peak Value	0.72
Color Dominant	467.4
Radiometric	0.0202

Rendering Indices	
R1	-62.8
R2	-0.3
R3	-78.5
R4	-113.4
R5	-44.7
R6	-40.2
R7	-25.6
R8	-87.1
R9	-444.6
R10	-109.0
R11	-164.8
R12	-123.6
R13	-47.9
R14	-0.2

CIE 1931



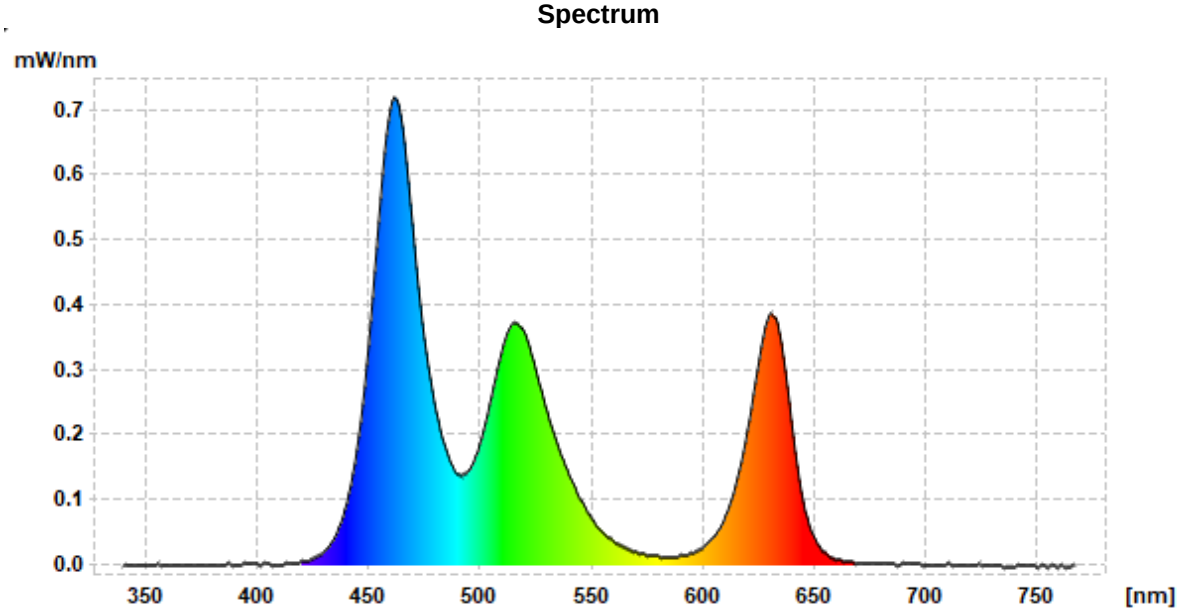
Weitere Messungen

Pos	Name	x2	y2	Y2	CCT	Ra	Chromaticity Error	Peak Wavelength	Dominant Wavelength
				lm	K			nm	nm
1	m210817-205212	0,1363	0,0557	-	0	-56,6	0,28	461,9	467,4
2	m210817-205216	0,1357	0,0573	-	0	-55,6	0,276	463,73	467,8
3	m210817-205219	0,1361	0,0564	-	0	-55,7	0,278	463,73	467,6

GL SpectroSoft Report – LED-Messprotokoll

Measurement name:	*mixed*	Kunde:	*LED-Studien GmbH*
Measurement time:	*2021-08-17 20:51:02*	Artikel:	*LK04-3h-mix*
Report time:	*2021-09-10 15:28:25*		
Messung:	*5050 96 LEDs/m*	SN Gerät.:	*Xt010208/A13W0158*

Spectrum



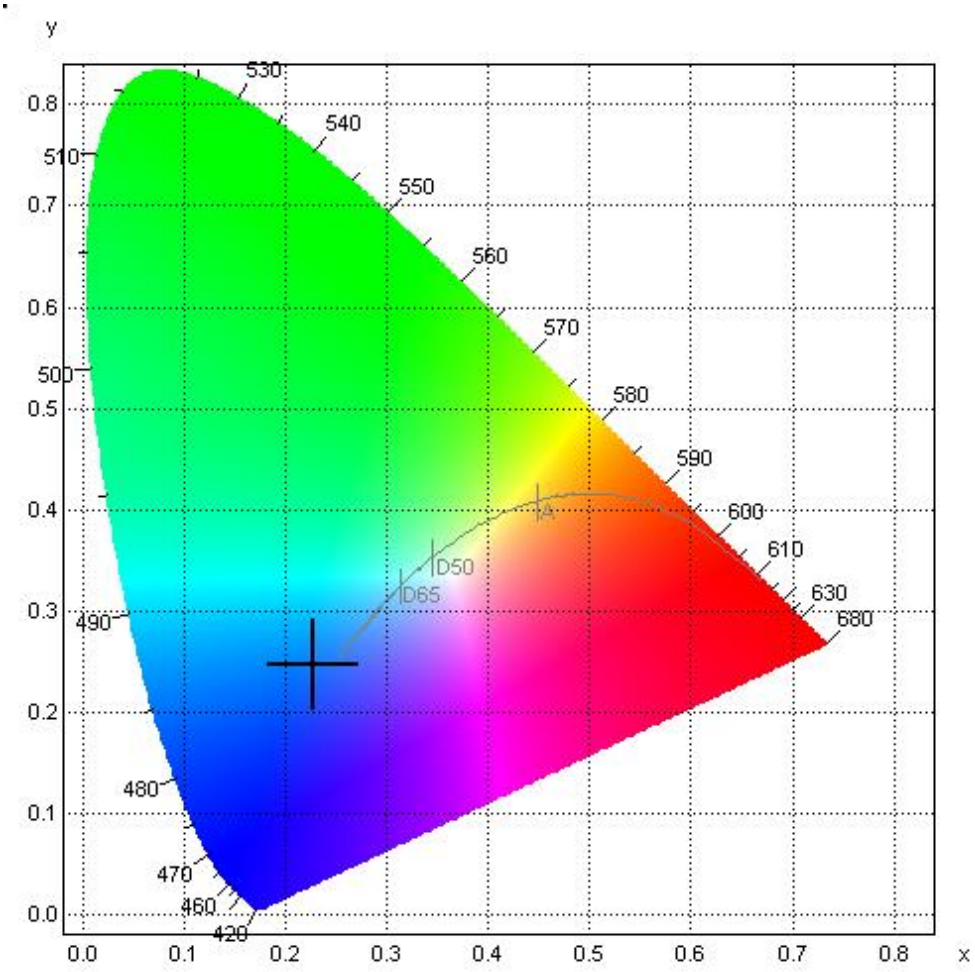
Ergebnisse / Messwerte

CIE 1931 2˚observer	
x	**0.2265**
y	**0.2469**
u'	0.1644
v'	0.4033
L	100.00
a	-5.89
b	-50.25
X	8.70
Y	**-**
Z	20.24

Farbtemperatur	
CCT	**- K**
Color Rendering Index (CRI)	
Ra	**63.9**
Luminous Intensity	
Y	**-**
Binning	
Binning	
Sonstige	
Chromaticity Error	0.088
Color Peak	461.90
Color Peak Value	0.72
Color Dominant	480.3
Radiometric	0.0430

Rendering Indices	
R1	70.7
R2	61.0
R3	38.3
R4	72.8
R5	76.6
R6	45.8
R7	69.9
R8	75.6
R9	-28.8
R10	-7.4
R11	52.0
R12	25.2
R13	61.8
R14	65.8

CIE 1931


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