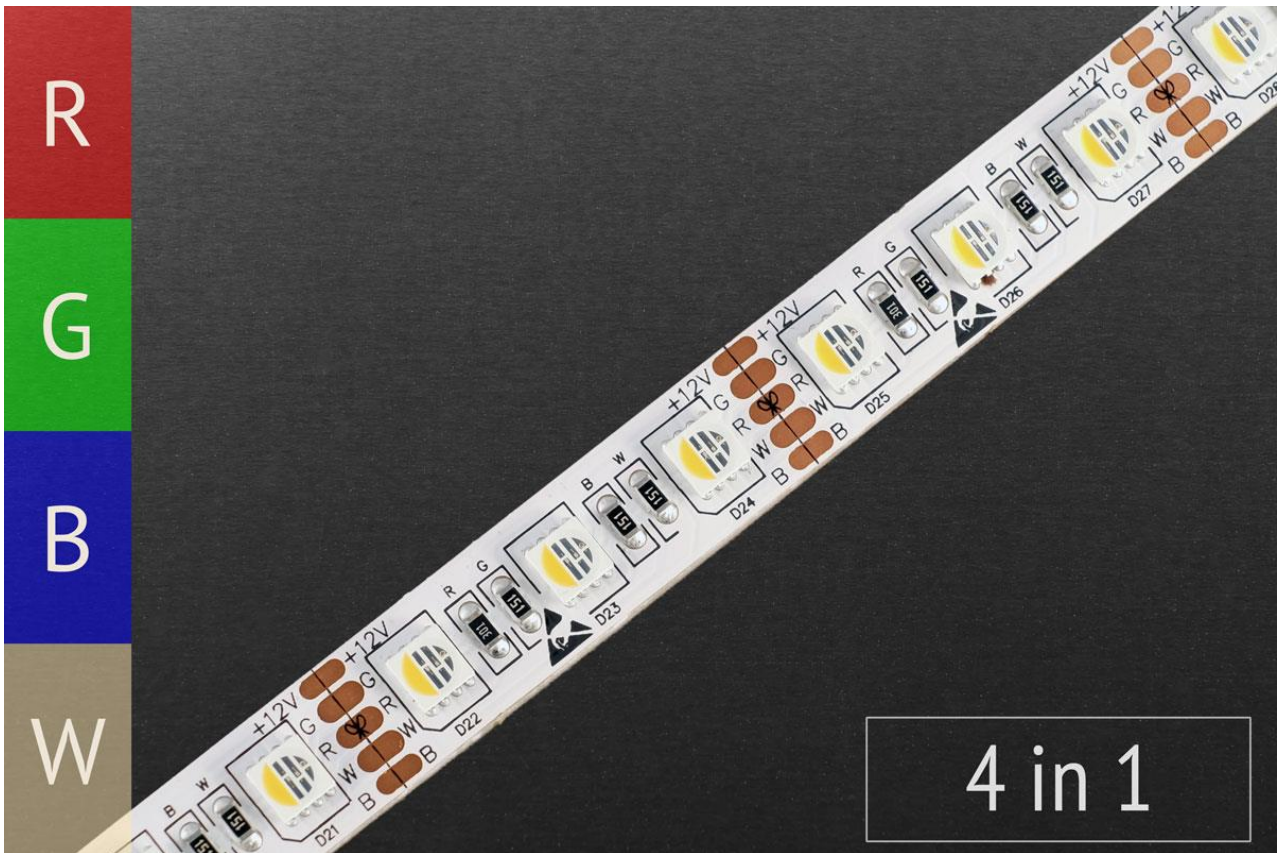


LED-Streifen LK04-6e



Technische Daten

| | |
|---|---|
| Artikel-Nr. | LK04-6e |
| LED-Typ | 5050 RGBW |
| Farbangaben | Rot: 620 – 625nm Grün: 520 – 525nm Blau: 465 – 470nm Weiß: ca. 2700K |
| Farbkonsistenz / Binning | SDCM<3 |
| Farbwiedergabeindex (CRI) | 81 (nur Weiß) |
| LEDs/m | 72 |
| Lumen/m (Φ_{use}) | Rot: 188 Grün: 528 Blau: 143 Weiß: 613 |
| Breite mm | 12 |
| trennbar aller | 4,17cm |
| Betriebsspannung | 12 VDC |
| Nennleistung | 23 W/m |
| Leistungsaufnahme im Betrieb (P_{on}) | Rot: 4,1 W/m Grün: 4,1 W/m Blau: 4,9 W/m Weiß: 5,1 W/m |
| Leistungsaufnahme im Standby (P_{sb}) | 0 W/m |
| Energieeffizienzklasse (A-G) | G (für nur Weiß: E) |
| Verkaufseinheit | 1 Rolle = 5m |

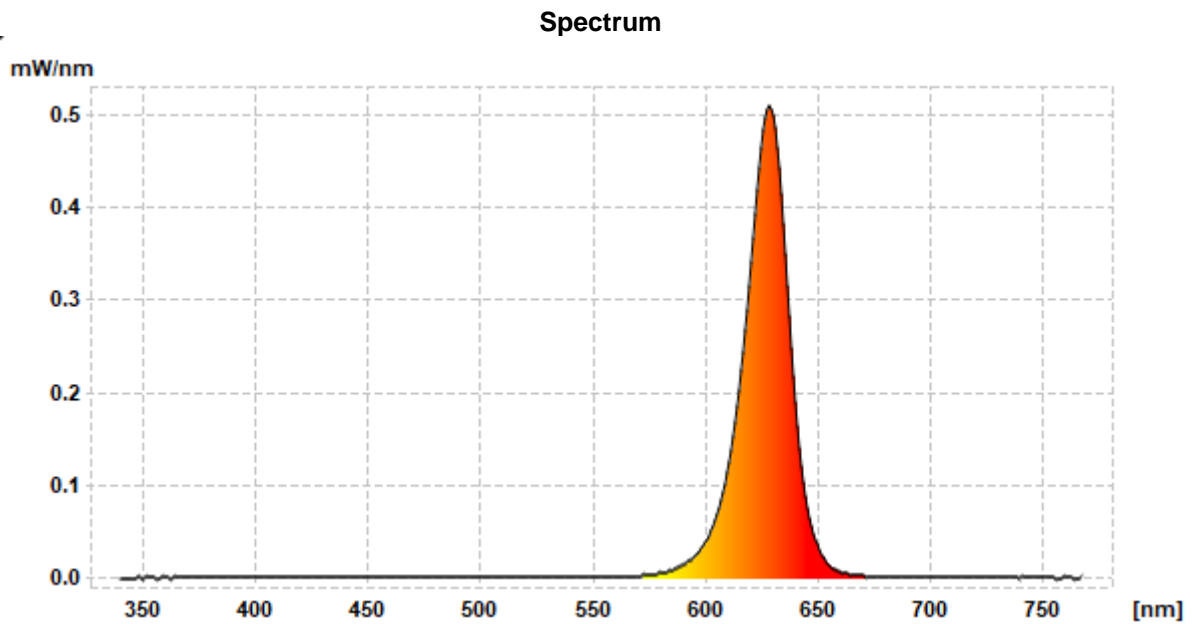
Hinweise zum Dimmen & Schalten

Für ein Dimmen des LED-Streifens 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: *m210817-204620* Kunde: *LED-Studien GmbH*
 Measurement time: *2021-08-17 20:46:20* Artikel: *LK04-6e-R*
 Report time: *2021-08-19 10:45:14*
 Messung: *5050 / CRI > 80* SN Gerät.: *Xt010208/A13W0158*



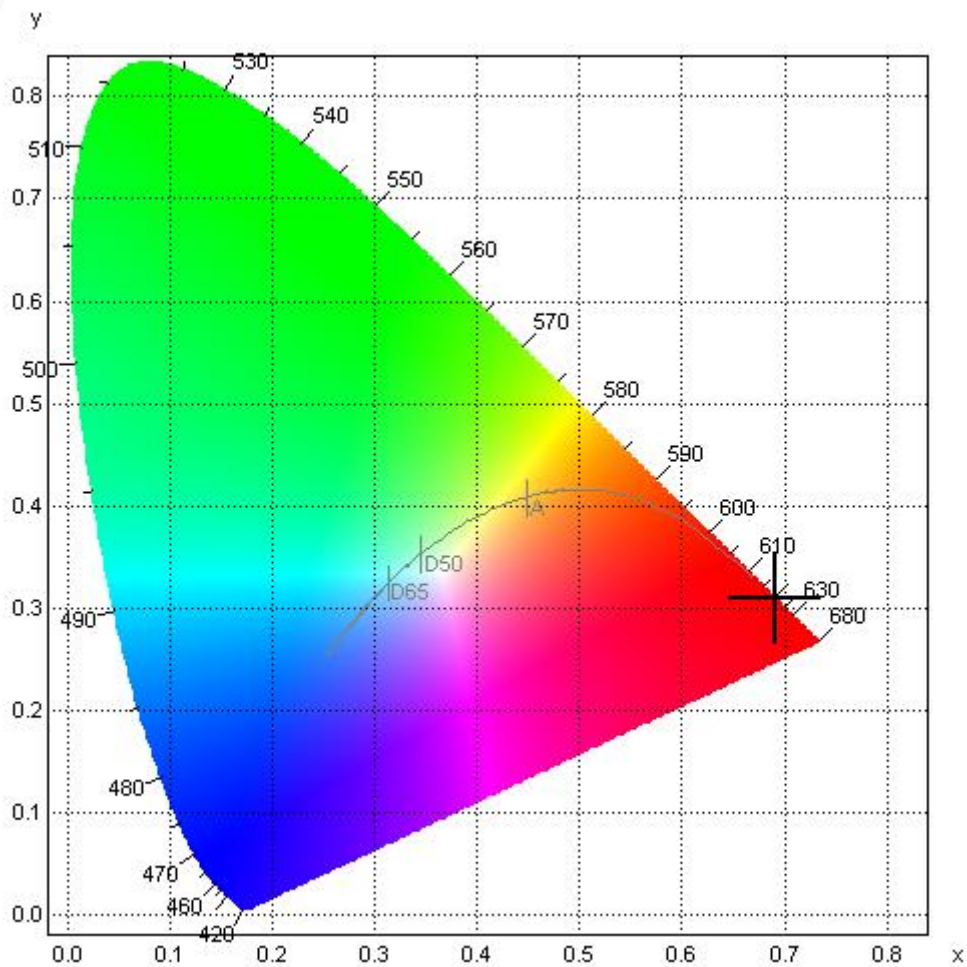
Ergebnisse / Messwerte

| CIE 1931 2° observer | |
|----------------------|----------------|
| x | 0.6917 |
| y | 0.3083 |
| u' | 0.5205 |
| v' | 0.5219 |
| L | 100.00 |
| a | 165.78 |
| b | nan |
| X | 5.86 |
| Y | 2.61 lm |
| Z | 0.00 |

| Farbtemperatur | |
|-----------------------------|----------------|
| CCT | - K |
| Color Rendering Index (CRI) | |
| Ra | -28.7 |
| Luminous Intensity | |
| Y | 2.61 lm |
| Binning | |
| Binning | |
| Sonstige | |
| Chromaticity Error | 0.294 |
| Color Peak | 629.18 |
| Color Peak Value | 0.51 |
| Color Dominant | 620.0 |
| Radiometric | 0.0121 |

| Rendering Indices | |
|-------------------|--------|
| R1 | -90.4 |
| R2 | -15.8 |
| R3 | 61.3 |
| R4 | -72.1 |
| R5 | -75.2 |
| R6 | -65.9 |
| R7 | 48.8 |
| R8 | -20.3 |
| R9 | -287.6 |
| R10 | -103.6 |
| R11 | -149.6 |
| R12 | -83.2 |
| R13 | -93.7 |
| R14 | 70.5 |

CIE 1931

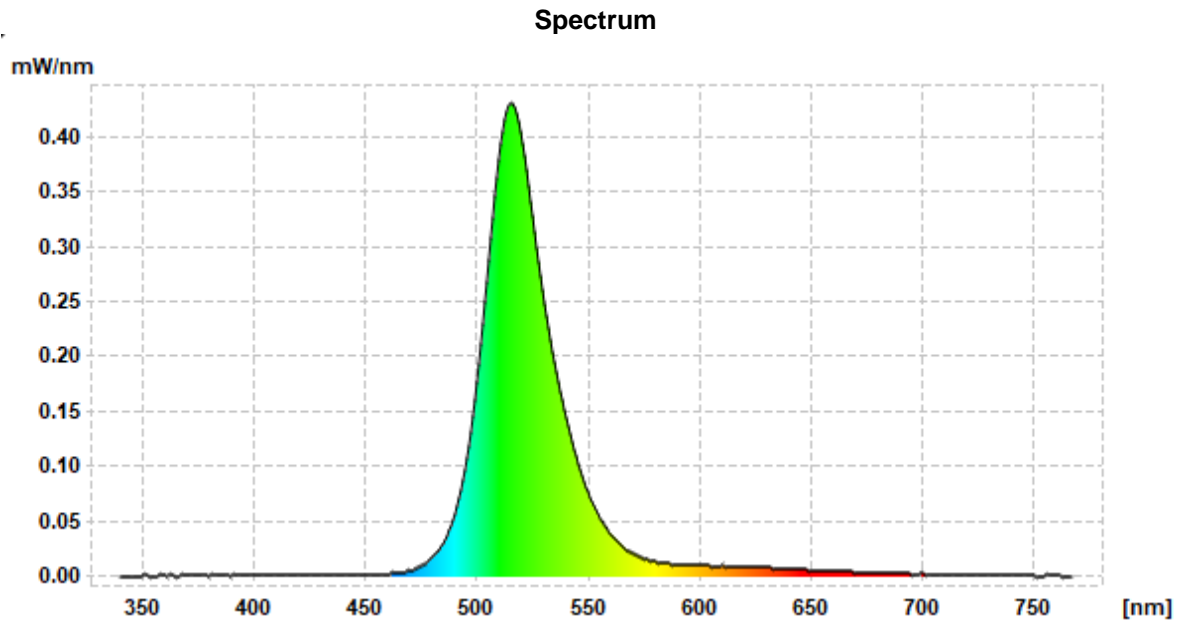


Weitere Messungen

| Pos | Name | x2 | y2 | Y2 | CCT | Ra | Chromaticity Error | Peak Wavelength | Dominant Wavelength |
|-----|----------------|--------|--------|------|-----|-------|--------------------|-----------------|---------------------|
| | | | | lm | K | | | nm | nm |
| 1 | m210817-204620 | 0,6917 | 0,3083 | 2,61 | 0 | -28,7 | 0,294 | 629,18 | 620 |
| 2 | m210817-204635 | 0,6941 | 0,3059 | 2,4 | 0 | -31,1 | 0,298 | 630,85 | 621,2 |
| 3 | m210817-204643 | 0,6935 | 0,3065 | 2,34 | 0 | -30,8 | 0,297 | 629,18 | 620,9 |

GL SpectroSoft Report – LED-Messprotokoll

Measurement name: *m210817-204656* Kunde: *LED-Studien GmbH*
 Measurement time: *2021-08-17 20:46:55* Artikel: *LK04-6e-G*
 Report time: *2021-08-19 10:46:54*
 Messung: *5050 / CRI > 80* SN Gerät.: *Xt010208/A13W0158*



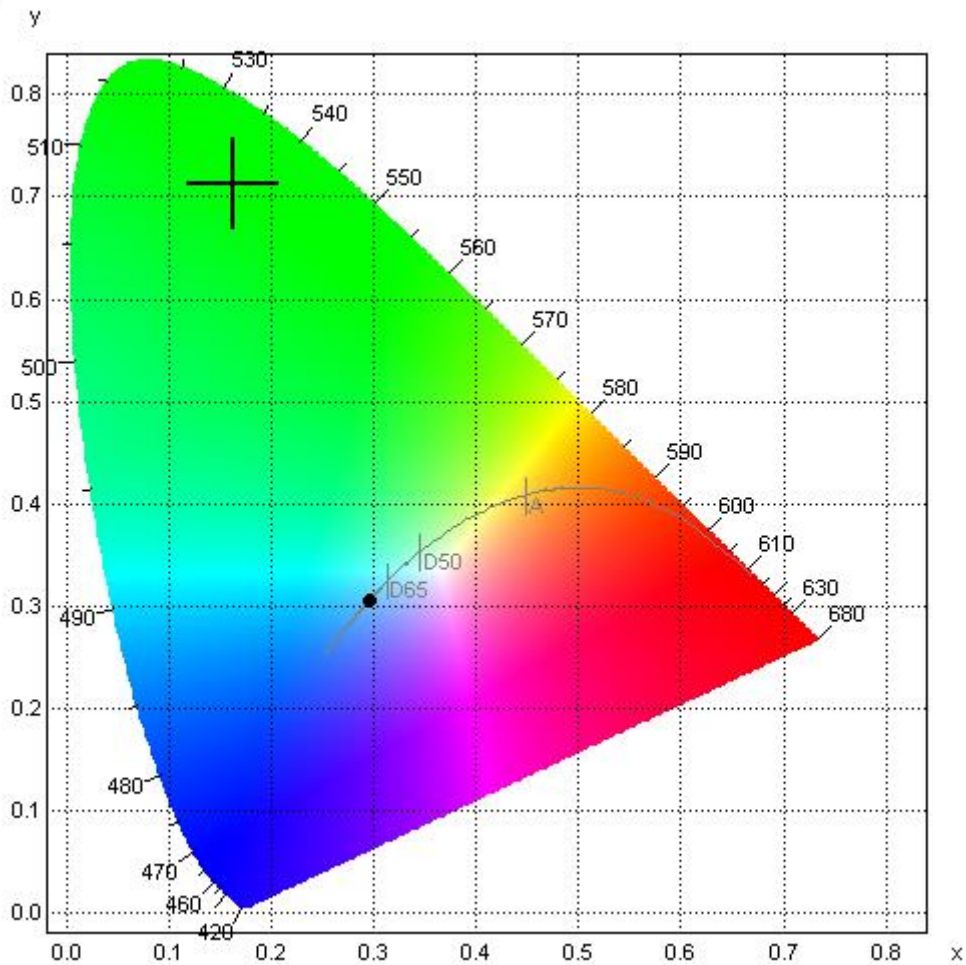
Ergebnisse / Messwerte

| CIE 1931 2° observer | |
|----------------------|----------------|
| x | 0.1627 |
| y | 0.7128 |
| u' | 0.0580 |
| v' | 0.5713 |
| L | 100.00 |
| a | -189.23 |
| b | 91.32 |
| X | 1.67 |
| Y | 7.33 lm |
| Z | 1.28 |

| Farbtemperatur | |
|-----------------------------|----------------|
| CCT | 8003 K |
| Color Rendering Index (CRI) | |
| Ra | -23.4 |
| Luminous Intensity | |
| Y | 7.33 lm |
| Binning | |
| Binning | |
| Sonstige | |
| Chromaticity Error | 0.169 |
| Color Peak | 516.36 |
| Color Peak Value | 0.43 |
| Color Dominant | 524.6 |
| Radiometric | 0.0162 |

| Rendering Indices | |
|-------------------|--------|
| R1 | -25.2 |
| R2 | -8.7 |
| R3 | -30.0 |
| R4 | -62.4 |
| R5 | -2.6 |
| R6 | -16.5 |
| R7 | -13.7 |
| R8 | -28.2 |
| R9 | -306.8 |
| R10 | -107.5 |
| R11 | -89.3 |
| R12 | -31.3 |
| R13 | -34.1 |
| R14 | 35.6 |

CIE 1931



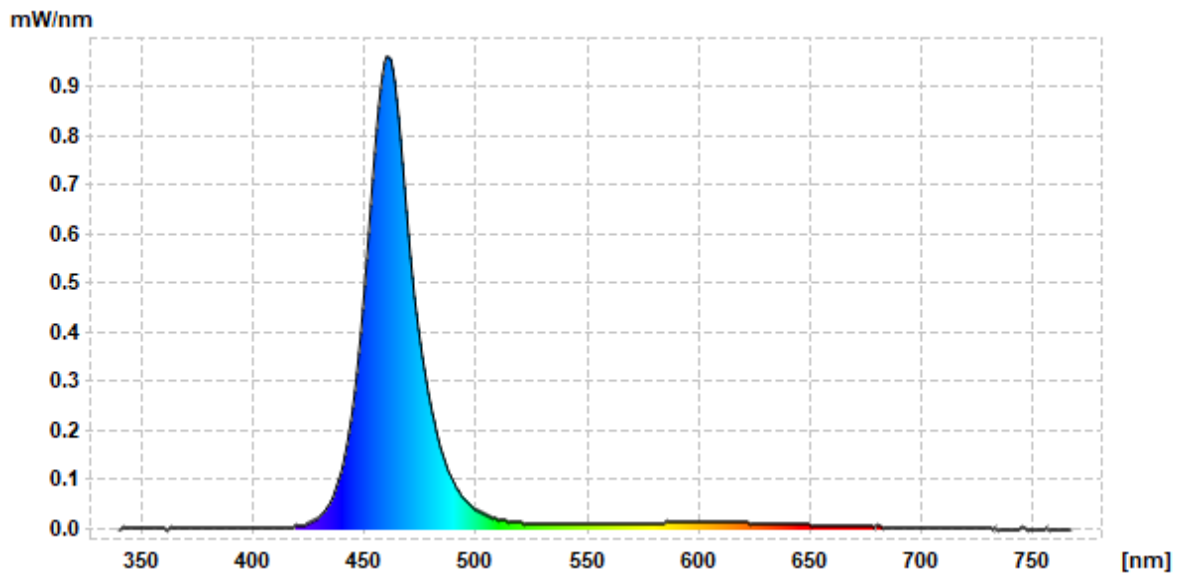
Weitere Messungen

| Pos | Name | x2 | y2 | Y2 | CCT | Ra | Chromaticity Error | Peak Wavelength | Dominant Wavelength |
|-----|----------------|--------|--------|------|------|-------|--------------------|-----------------|---------------------|
| | | | | lm | K | | | nm | nm |
| 1 | m210817-204656 | 0,1627 | 0,7128 | 7,33 | 8003 | -23,4 | 0,169 | 516,36 | 524,6 |
| 2 | m210817-204701 | 0,163 | 0,7086 | 7,29 | 8037 | -21,9 | 0,168 | 516,36 | 524,3 |
| 3 | m210817-204708 | 0,1608 | 0,7041 | 7 | 8093 | -21,1 | 0,168 | 516,36 | 523,5 |

GL SpectroSoft Report – LED-Messprotokoll

Measurement name: *m210817-204721* Kunde: *LED-Studien GmbH*
 Measurement time: *2021-08-17 20:47:20* Artikel: *LK04-6d-B*
 Report time: *2021-08-19 10:48:16*
 Messung: *5050 / CRI > 80* SN Gerät.: *Xt010208/A13W0158*

Spectrum



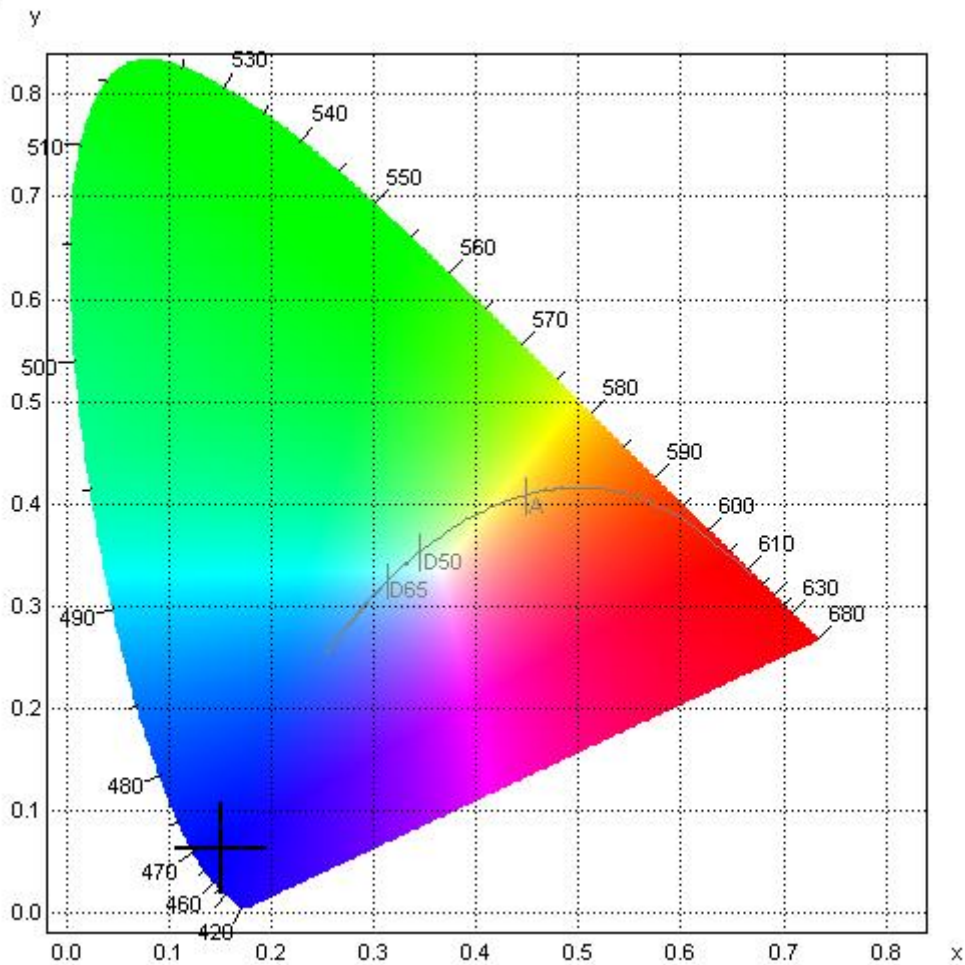
Ergebnisse / Messwerte

| CIE 1931 2°observer | |
|---------------------|----------------|
| x | 0.1506 |
| y | 0.0623 |
| u' | 0.1747 |
| v' | 0.1627 |
| L | 100.00 |
| a | 182.46 |
| b | -252.80 |
| X | 4.81 |
| Y | 1.99 lm |
| Z | 25.15 |

| Farbtemperatur | |
|-----------------------------|----------------|
| CCT | - K |
| Color Rendering Index (CRI) | |
| Ra | -39.2 |
| Luminous Intensity | |
| Y | 1.99 lm |
| Binning | |
| Binning | |
| Sonstige | |
| Chromaticity Error | 0.271 |
| Color Peak | 461.90 |
| Color Peak Value | 0.96 |
| Color Dominant | 465.0 |
| Radiometric | 0.0268 |

| Rendering Indices | |
|-------------------|--------|
| R1 | 32.8 |
| R2 | -3.5 |
| R3 | -150.1 |
| R4 | -85.6 |
| R5 | 29.9 |
| R6 | -10.4 |
| R7 | -54.0 |
| R8 | -72.5 |
| R9 | -160.8 |
| R10 | -189.0 |
| R11 | -113.7 |
| R12 | -93.2 |
| R13 | 42.8 |
| R14 | -29.4 |

CIE 1931

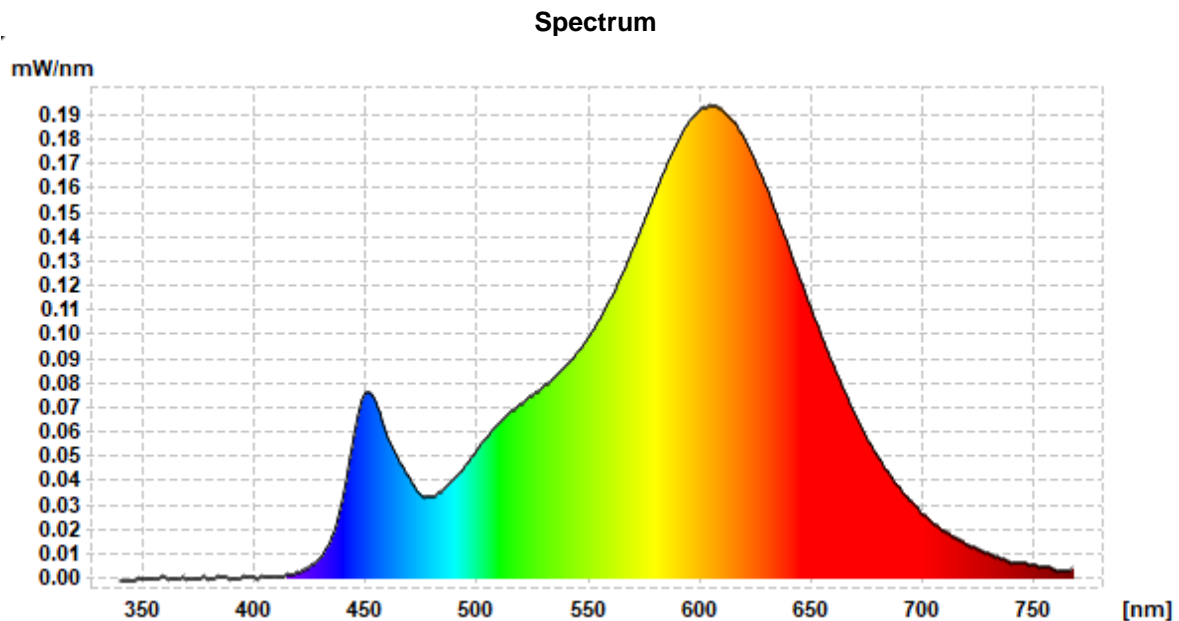


Weitere Messungen

| Pos | Name | x2 | y2 | Y2 | CCT | Ra | Chromaticity Error | Peak Wavelength | Dominant Wavelength |
|-----|----------------|--------|--------|------|-----|-------|--------------------|-----------------|---------------------|
| | | | | lm | K | | | nm | nm |
| 1 | m210817-204721 | 0,1506 | 0,0623 | 1,99 | 0 | -39,2 | 0,271 | 461,9 | 465 |
| 2 | m210817-204726 | 0,1496 | 0,0644 | 1,98 | 0 | -38,6 | 0,266 | 461,9 | 465,7 |
| 3 | m210817-204732 | 0,1498 | 0,0633 | 2,01 | 0 | -38,6 | 0,268 | 461,9 | 465,4 |

GL SpectroSoft Report – LED-Messprotokoll

Measurement name: *m210817-204744* Kunde: *LED-Studien GmbH*
 Measurement time: *2021-08-17 20:47:44* Artikel: *LK04-6d-W*
 Report time: *2021-08-19 10:50:31*
 Messung: *5050 / CRI > 80* SN Gerät.: *Xt010208/A13W0158*



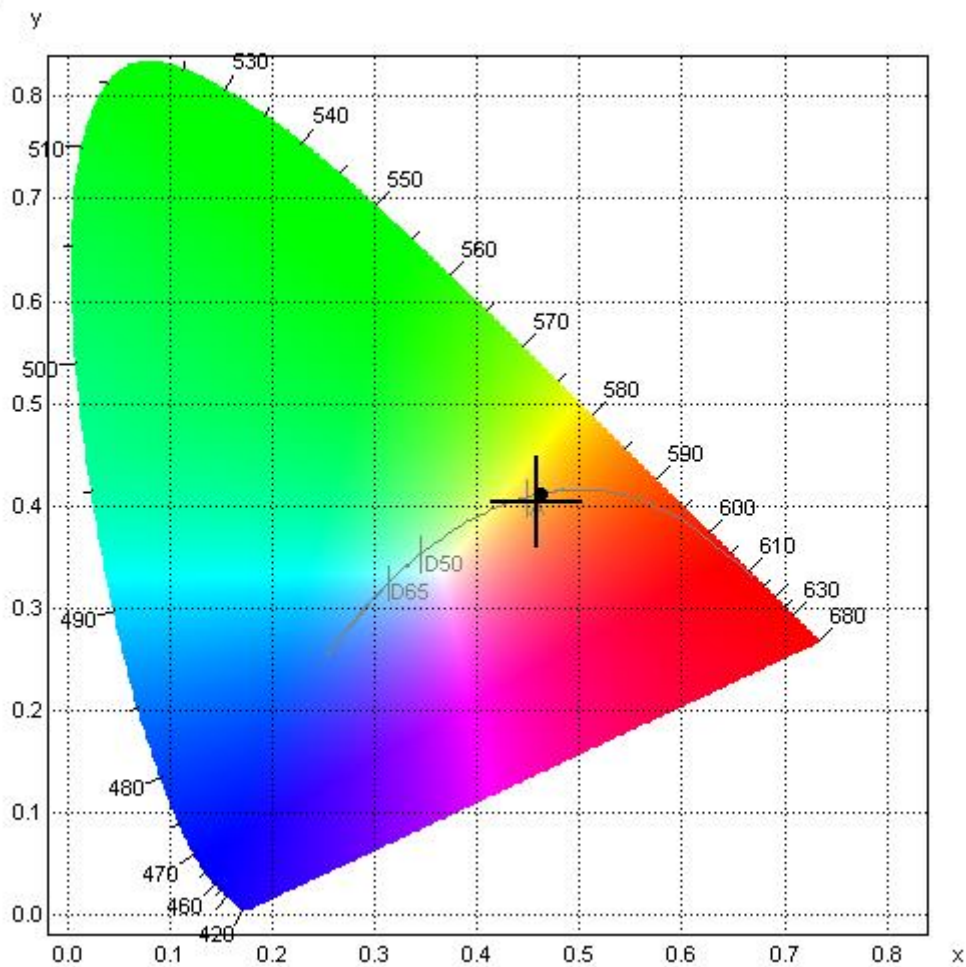
Ergebnisse / Messwerte

| CIE 1931 2° observer | |
|----------------------|----------------|
| x | 0.4579 |
| y | 0.4037 |
| u' | 0.2643 |
| v' | 0.5244 |
| L | 100.00 |
| a | 30.34 |
| b | 63.92 |
| X | 9.66 |
| Y | 8.51 lm |
| Z | 2.92 |

| Farbtemperatur | |
|-----------------------------|---------|
| CCT | 2673 K |
| Color Rendering Index (CRI) | |
| Ra | 81.2 |
| Luminous Intensity | |
| Y | 8.51 lm |
| Binning | |
| Binning | 8D2 |
| Sonstige | |
| Chromaticity Error | 0.005 |
| Color Peak | 607.31 |
| Color Peak Value | 0.19 |
| Color Dominant | 585.2 |
| Radiometric | 0.0260 |

| Rendering Indices | |
|-------------------|------|
| R1 | 80.6 |
| R2 | 93.1 |
| R3 | 92.1 |
| R4 | 78.3 |
| R5 | 81.4 |
| R6 | 92.8 |
| R7 | 78.3 |
| R8 | 53.2 |
| R9 | 1.6 |
| R10 | 85.1 |
| R11 | 78.2 |
| R12 | 78.8 |
| R13 | 83.8 |
| R14 | 96.4 |

CIE 1931



Weitere Messungen

| Pos | Name | x2 | y2 | Y2 | CCT | Ra | Chromaticity Error | Peak Wavelength | Dominant Wavelength |
|-----|----------------|--------|--------|------|------|------|--------------------|-----------------|---------------------|
| | | | | lm | K | | | nm | nm |
| 1 | m210817-204744 | 0,4579 | 0,4037 | 8,51 | 2673 | 81,2 | 0,005 | 607,31 | 585,2 |
| 2 | m210817-204753 | 0,46 | 0,3994 | 8,46 | 2609 | 80,9 | 0,006 | 607,31 | 586,1 |
| 3 | m210817-204801 | 0,4632 | 0,405 | 8,3 | 2610 | 80,7 | 0,004 | 607,31 | 585,5 |