



LEDChampion

# RGB BASIC LED STREIFEN



## EIGENSCHAFTEN

### Allgemeine Eigenschaften

|                                         |                 |                   |
|-----------------------------------------|-----------------|-------------------|
| Dimmbar                                 | Ja              |                   |
| 3M Klebestreifen über die gesamte Länge | Ja              |                   |
| Garantie                                | 5 Jahre         |                   |
| Auf Maß zuschneiden                     | 12V: Alle 10 cm | 24V: Alle 16,7 cm |

### LED's und Licht

|                         |                |
|-------------------------|----------------|
| Anzahl LEDs p/m         | 30 LEDs/m      |
| Type LED                | 5050 SMD       |
| Marke LED               | Epistar        |
| Strahlungswinkel        | 120°           |
| Farbe                   | RGB Mehrfarbig |
| Farbtemperatur (Kelvin) | -              |
| CRI                     | -              |
| Anzahl der Brennstunden | 50.000         |

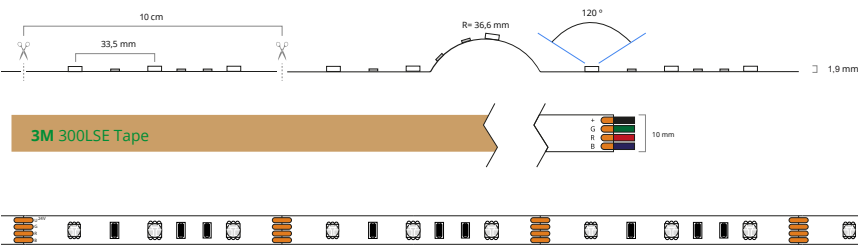
### Technische Eigenschaften

|                           |                   |                   |
|---------------------------|-------------------|-------------------|
| Lichtleistung (lumen) p/m | 12V : 252,3 Lumen | 24V : 236,5 Lumen |
| Voltage (DC)              | 12 oder 24V       |                   |
| Watt - Leistung p/m       | 12V : 6,5W        | 24V : 7,7W        |
| Lumen per watt            | 12V : 38,82 lm    | 24V : 30,71 lm    |
| Watt per LED              | 12V : 0,217W      | 24V : 0,257 lm    |

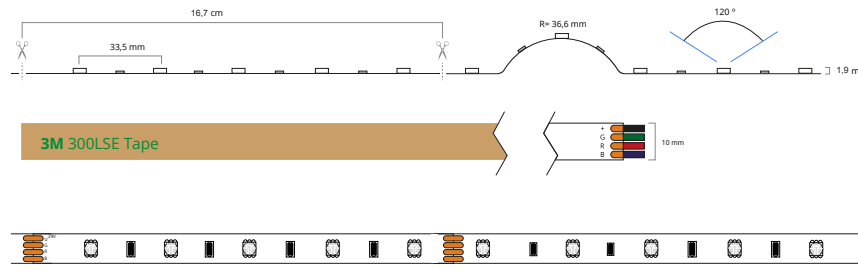
### Streifen Eigenschaften

|                                           |                                 |              |              |
|-------------------------------------------|---------------------------------|--------------|--------------|
| Schutz                                    | IP20, IP65 oder IP67            |              |              |
| Material wasserdichter Schutz (IP65/IP67) | Silikon                         |              |              |
| Hintergrundfarbe Streifen (PCB)           | Weiß                            |              |              |
| Klebestreifen                             | IP20: 3M 300LSE                 | IP65: 3M VHB | IP67: 3M VHB |
| Breite LED Streifen                       | IP20: 10mm                      | IP65: 12mm   | IP67: 12mm   |
| Dicke LED Streifen                        | IP20: 1,9mm                     | IP65: 5,3mm  | IP67: 5,3mm  |
| Anschluss am Anfang                       | 4-poliger Stecker Typ Frau+Mann |              |              |
| Anschluss am Ende                         | 4-poliger Stecker Typ Frau      |              |              |

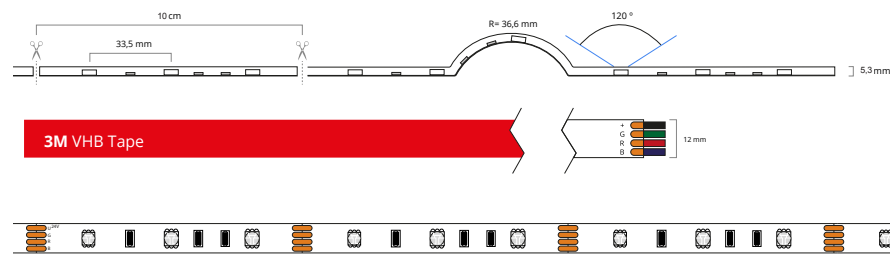
# TECHNISCHE ZEICHNUNG



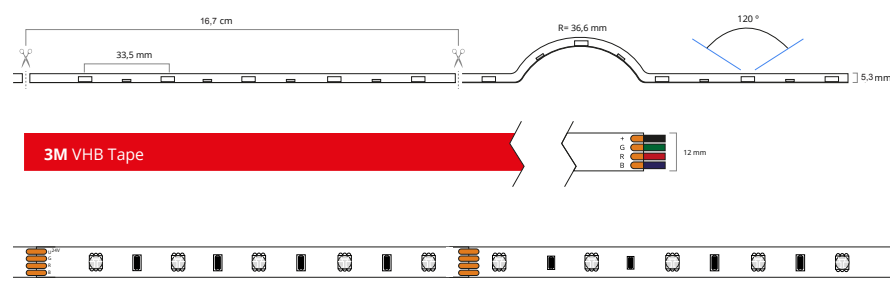
IP20 12V



IP20 24V



IP65/67 12V



IP65/67 24V

# DETAILFOTOS



IP20



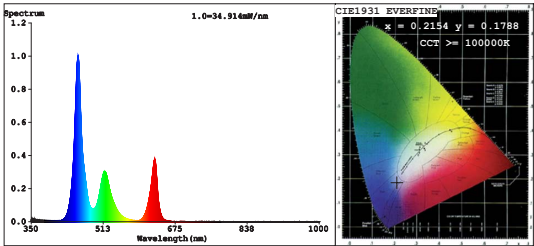
IP65



IP67

# SPEKTRUM TESTBERICHTE

## 12 VOLT



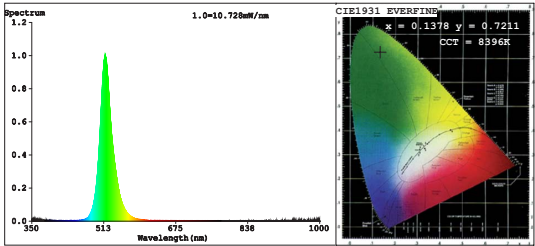
Color Parameters:  
Chromaticity Coordinate:x=0.2154 y=0.1788/u'=0.1827 v'=0.3413  
CCT=100000K(Duv=-0.0384) Dominant WL:Ld =470.2nm Purity=56.3%  
Ratio:R=21.6% G=64.1% B=14.4% Peak WL:Lp=455.7nm FWHM=16.7nm  
Render Index:Ra=50.6 AvgR=41.2

R1 =32 R2 =50 R3 =67 R4 =64 R5 =53 R6 =48 R7 =70  
R8 =21 R9 =0 R10=0 R11=40 R12=54 R13=30 R14=79 R15=11

Photo Parameters:  
Flux = 252.3 lm Eff. : 38.79 lm/W Fe = 1.404 W

Electrical parameters:  
V = 11.998 V I = 0.5422 A P = 6.505 W PF = 1.000  
LEVEL:OUT WHITE:OUT

Status: Integral T = 122 ms Ip = 49809 (76%)



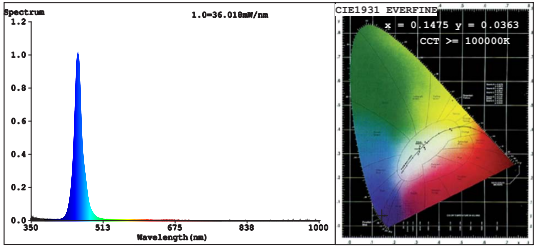
Color Parameters:  
Chromaticity Coordinate:x=0.1378 y=0.1578/u'=0.0485 v'=0.5704  
CCT=8396K(Duv=0.1660) Dominant WL:Ld =520.8nm Purity=77.4%  
Ratio:R=0.2% G=96.8% B=2.9% Peak WL:Lp=515.5nm FWHM=27.9nm  
Render Index:Ra=0.0 AvgR=2.4

R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0  
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=36 R15=0

Photo Parameters:  
Flux = 164.5 lm Eff. : 69.55 lm/W Fe = 368.6 mW

Electrical parameters:  
V = 11.998 V I = 0.1971 A P = 2.365 W PF = 1.000  
LEVEL:OUT WHITE:OUT

Status: Integral T = 288 ms Ip = 46855 (71%)



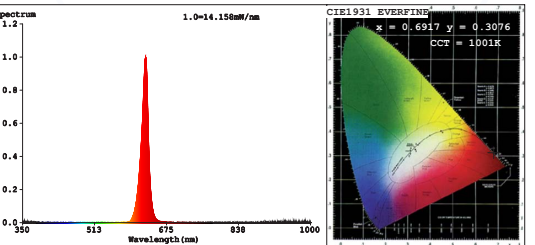
Color Parameters:  
Chromaticity Coordinate:x=0.1475 y=0.0363/u'=0.1878 v'=0.1040  
CCT=100000K(Duv=-0.1968) Dominant WL:Ld =460.2nm Purity=98.0%  
Ratio:R=0.7% G=13.5% B=85.8% Peak WL:Lp=455.3nm FWHM=16.5nm  
Render Index:Ra=0.9 AvgR=0.8

R1 =0 R2 =0 R3 =0 R4 =0 R5 =7 R6 =0 R7 =0  
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=5

Photo Parameters:  
Flux = 37.38 lm Eff. : 16.02 lm/W Fe = 806.5 mW

Electrical parameters:  
V = 11.998 V I = 0.1945 A P = 2.334 W PF = 1.000  
LEVEL:OUT WHITE:OUT

Status: Integral T = 122 ms Ip = 51219 (78%)



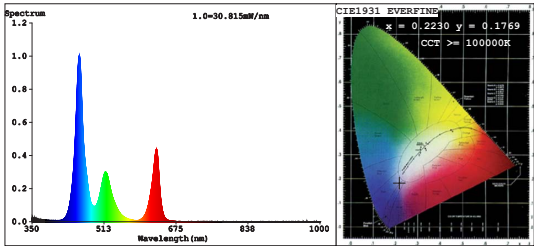
Color Parameters:  
Chromaticity Coordinate:x=0.6917 y=0.3076/u'=0.5213 v'=0.5216  
CCT=1001K(Duv=-0.0737) Dominant WL:Ld =620.3nm Purity=99.9%  
Ratio:R=97.8% G=2.2% B=0.0% Peak WL:Lp=627.7nm FWHM=15.8nm  
Render Index:Ra=24.8 AvgR=29.0

R1 =4 R2 =79 R3 =25 R4 =0 R5 =0 R6 =91 R7 =0  
R8 =0 R9 =0 R10=72 R11=0 R12=78 R13=29 R14=57 R15=0

Photo Parameters:  
Flux = 60.01 lm Eff. : 31.34 lm/W Fe = 272.2 mW

Electrical parameters:  
V = 11.998 V I = 0.1596 A P = 1.915 W PF = 1.000  
LEVEL:OUT WHITE:OUT

Status: Integral T = 288 ms Ip = 46467 (71%)



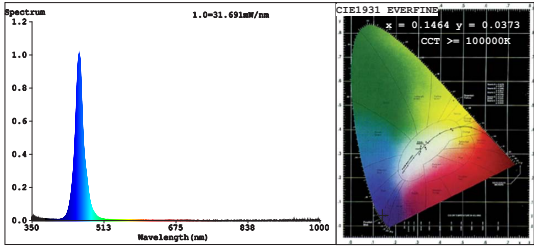
Color Parameters:  
Chromaticity Coordinate:x=0.2230 y=0.1769/u'=0.1907 v'=0.3404  
CCT=100000K(Duv=-0.0403) Dominant WL:Ld =467.2nm Purity=54.5%  
Ratio:R=24.0% G=60.8% B=15.1% Peak WL:Lp=457.0nm FWHM=18.4nm  
Render Index:Ra=37.0 AvgR=29.9

R1 =12 R2 =36 R3 =63 R4 =48 R5 =36 R6 =36 R7 =65  
R8 =0 R9 =0 R10=0 R11=26 R12=39 R13=11 R14=76 R15=0

Photo Parameters:  
Flux = 236.5 lm Eff. : 30.43 lm/W Fe = 1.362 W

Electrical parameters:  
V = 23.997 V I = 0.3238 A P = 7.770 W PF = 1.000  
LEVEL:OUT WHITE:OUT

Status: Integral T = 138 ms Ip = 50149 (77%)



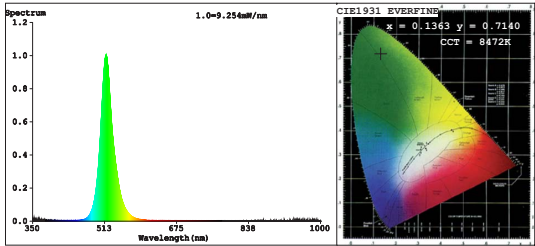
Color Parameters:  
Chromaticity Coordinate:x=0.1464 y=0.0373/u'=0.1856 v'=0.1065  
CCT=100000K(Duv=-0.1950) Dominant WL:Ld =460.9nm Purity=98.0%  
Ratio:R=0.5% G=12.6% B=86.9% Peak WL:Lp=456.3nm FWHM=17.9nm  
Render Index:Ra=0.5 AvgR=0.5

R1 =0 R2 =0 R3 =0 R4 =0 R5 =4 R6 =0 R7 =0  
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=3

Photo Parameters:  
Flux = 35.63 lm Eff. : 13.61 lm/W Fe = 762.1 mW

Electrical parameters:  
V = 23.997 V I = 0.1091 A P = 2.618 W PF = 1.000  
LEVEL:OUT WHITE:OUT

Status: Integral T = 138 ms Ip = 51386 (78%)



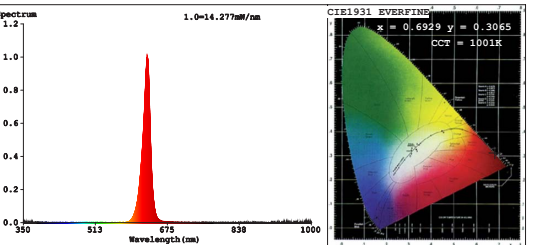
Color Parameters:  
Chromaticity Coordinate:x=0.1363 y=0.1140/u'=0.0483 v'=0.5689  
CCT=8472K(Duv=0.1657) Dominant WL:Ld =520.0nm Purity=76.1%  
Ratio:R=0.2% G=96.4% B=3.3% Peak WL:Lp=515.9nm FWHM=28.5nm  
Render Index:Ra=0.0 AvgR=2.5

R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0  
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=38 R15=0

Photo Parameters:  
Flux = 144.0 lm Eff. : 58.31 lm/W Fe = 326.7 mW

Electrical parameters:  
V = 23.997 V I = 0.1029 A P = 2.469 W PF = 1.000  
LEVEL:OUT WHITE:OUT

Status: Integral T = 363 ms Ip = 50936 (78%)



Color Parameters:  
Chromaticity Coordinate:x=0.6929 y=0.3065/u'=0.5238 v'=0.5212  
CCT=1001K(Duv=-0.0762) Dominant WL:Ld =621.0nm Purity=99.8%  
Ratio:R=96.8% G=3.2% B=0.0% Peak WL:Lp=629.3nm FWHM=17.2nm  
Render Index:Ra=26.0 AvgR=29.9

R1 =6 R2 =79 R3 =29 R4 =0 R5 =1 R6 =91 R7 =2  
R8 =0 R9 =0 R10=73 R11=0 R12=79 R13=31 R14=59 R15=0

Photo Parameters:  
Flux = 62.23 lm Eff. : 23.55 lm/W Fe = 297.3 mW

Electrical parameters:  
V = 23.997 V I = 0.1101 A P = 2.642 W PF = 1.000  
LEVEL:OUT WHITE:OUT

Status: Integral T = 316 ms Ip = 51148 (78%)

## 24 VOLT



# CE ZERTIFIKAT