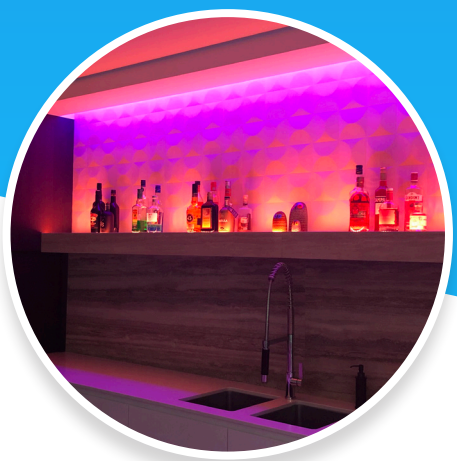
LEDChampion

RGBWW PREMIUM LED STREIFEN







RGBWW

LEDS p/m	Lumen p/m	Watt p/m	120°	Dimmbar	5 Jahre	CE
60	937,3	16,57				

EIGENSCHAFTEN

Allgemeine Eigenschaften

Dimmbar	Ja	
3M Klebestreifen über die gesamte Länge	Ja	
Garantie	5 jahre	
Auf Maß zuschneiden	12V: Alle 5cm	24V: Alle 10cm

LED's und Licht

Anzahl LEDs p/m	60 LEDs/m
Typ LED	5050 SMD
Marke LED	Epistar
Strahlungswinkel	120°
Farbe	RGB + Warmweiß + Hellweiß
Farbtemperatur (Kelvin)	2700-6500
CRI	>80
Anzahl der Brennstunden	50.000

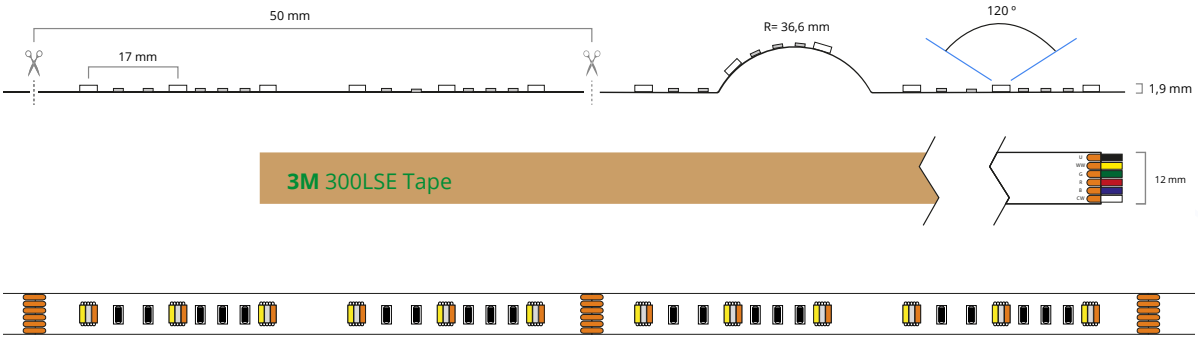
Technische Eigenschaften

Lichtleistung (lumen) p/m	12V: 937,3 Lumen	24V: 1009 Lumen
Voltage (DC)	12V oder 24V	
Watt – Leistung p/m	12V: 16,57W	24V: 16,72W
Lumen pro watt	12V: 56,57 lm	24V: 60,35 lm
Watt pro LED	12V: 0,276 W	24V: 0,279 W

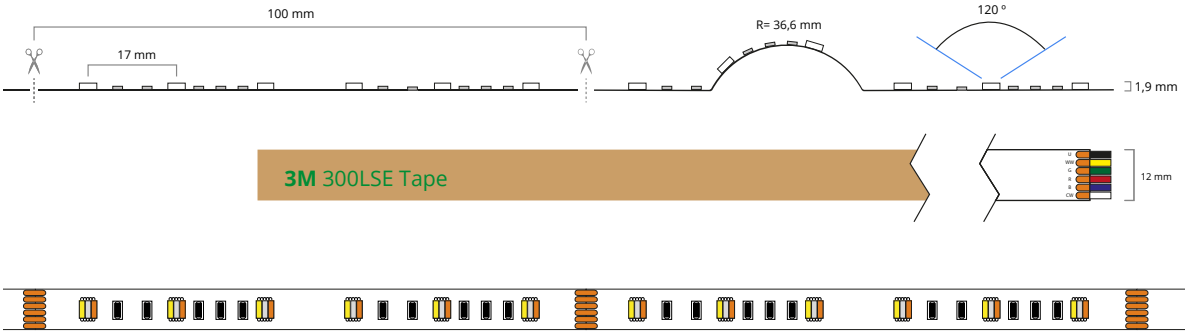
Streifen Eigenschaften

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: 12mm	IP65: 14mm	IP67: 14mm
Dicke LED Streifen	IP20: 1,9mm	IP65: 5,63mm	IP67: 5,63mm
Anschluss am Anfang	6-poliger Stecker Typ Frau+Mann		
Anschluss am Ende	6-poliger Stecker Typ Frau		

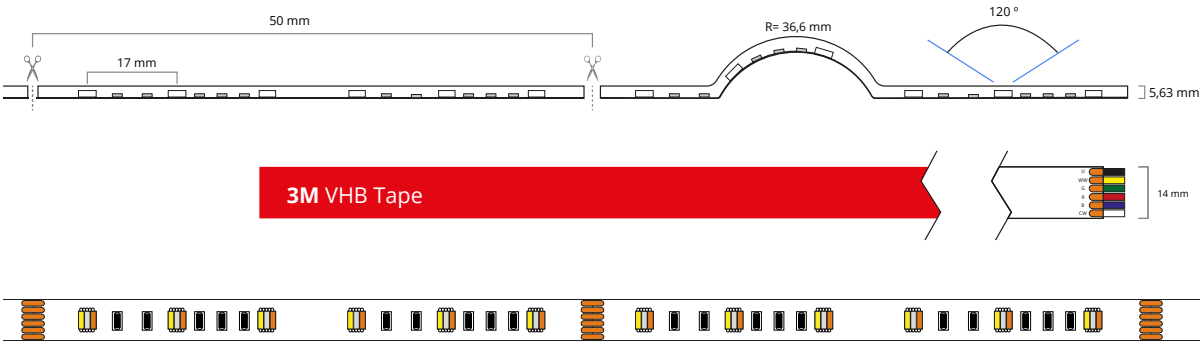
TECHNISCHE ZEICHNUNG



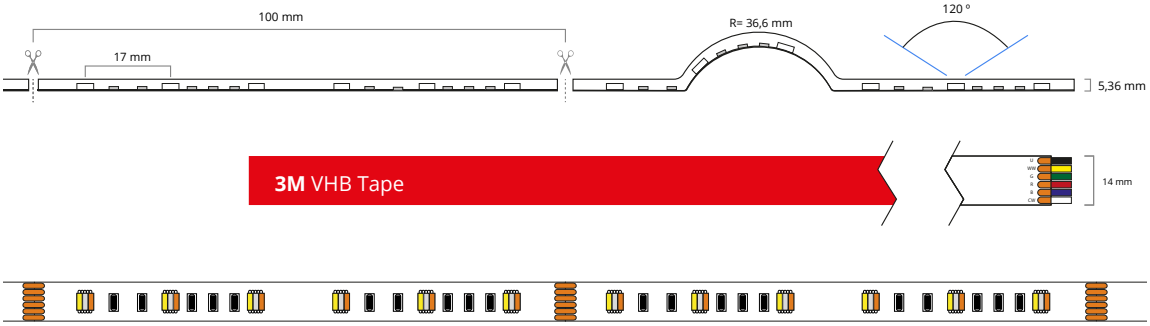
IP20 12V



IP20 24V



IP65/67 12V



IP65/67 24V

DETAILFOTO'S



IP20

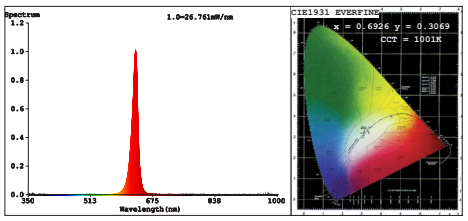


IP65



IP67

SPEKTRUM TESTBERICHTE 12V



Color Parameters:

Chromaticity Coordinate:x=0.6926 y=0.3069/u'=0.5229 v'=0.5214
CCT=1001K(Duv=-0.0753) Dominant WL:Ld =620.7nm Purity=99.9%
Ratio:R=95.2% G=4.8% B=0.0% Peak WL:Lp=630.3nm FWHM=15.3nm
Render Index:Ra=28.4 AvgR=31.5

R1 =10	R2 =79	R3 =33	R4 =0	R5 =6	R6 =91	R7 =8	
R8 =0	R9 =0	R10=73	R11=0	R12=79	R13=33	R14=62	R15=0

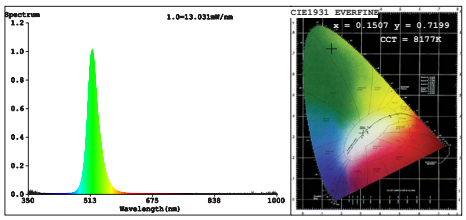
Photo Parameters:

Flux = 106.3 lm Eff. : 33.65 lm/W Fe = 508.7 mW

Electrical parameters:

V = 11.998 V I = 0.2632 A P = 3.158 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 186 ms Ip = 56265 (86%)



Color Parameters:

Chromaticity Coordinate:x=0.1507 y=0.7199/u'=0.0532 v'=0.5715
CCT=8177K(Duv=0.1623) Dominant WL:Ld =523.0nm Purity=77.6%
Ratio:R=0.3% G=97.1% B=2.6% Peak WL:Lp=517.5nm FWHM=29.8nm
Render Index:Ra=0.0 AvgR=2.6

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=39	R15=0

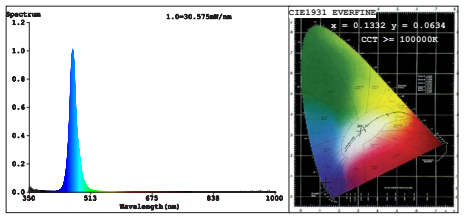
Photo Parameters:

Flux = 217.1 lm Eff. : 64.54 lm/W Fe = 472.7 mW

Electrical parameters:

V = 11.999 V I = 0.2804 A P = 3.365 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 186 ms Ip = 36816 (56%)



Color Parameters:

Chromaticity Coordinate:x=0.1332 y=0.0634/u'=0.1525 v'=0.1632
CCT=100000K(Duv=-0.1596) Dominant WL:Ld =469.1nm Purity=96.7%
Ratio:R=0.5% G=16.4% B=83.1% Peak WL:Lp=465.2nm FWHM=18.6nm
Render Index:Ra=0.6 AvgR=0.3

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

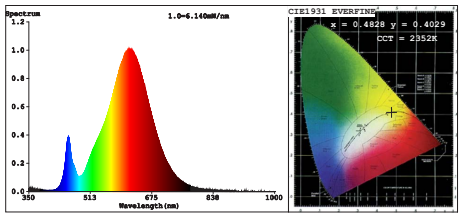
Photo Parameters:

Flux = 51.99 lm Eff. : 16.22 lm/W Fe = 750.5 mW

Electrical parameters:

V = 11.998 V I = 0.2671 A P = 3.205 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 93 ms Ip = 35620 (54%)



Color Parameters:

Chromaticity Coordinate:x=0.4828 y=0.4029/u'=0.2811 v'=0.5279
CCT=2352K(Duv=-0.0039) Dominant WL:Ld =587.5nm Purity=65.8%
Ratio:R=28.7% G=69.7% B=1.7% Peak WL:Lp=620.2nm FWHM=125.7nm
Render Index:Ra=83.2 AvgR=78.9

R1 =82	R2 =93	R3 =96	R4 =78	R5 =81	R6 =91	R7 =82	
R8 =62	R9 =25	R10=82	R11=76	R12=76	R13=85	R14=99	R15=77

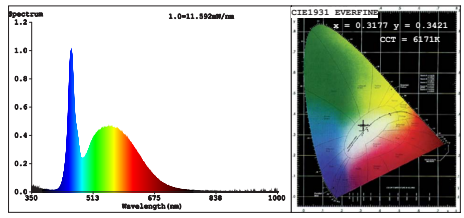
Photo Parameters:

Flux = 258.5 lm Eff. : 75.05 lm/W Fe = 915.8 mW

Electrical parameters:

V = 11.999 V I = 0.2871 A P = 3.445 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 662 ms Ip = 51431 (78%)



Color Parameters:

Chromaticity Coordinate:x=0.3177 y=0.3421/u'=0.1964 v'=0.4759
CCT=6171K(Duv=0.0073) Dominant WL:Ld =499.1nm Purity=4.8%
Ratio:R=13.4% G=80.9% B=5.7% Peak WL:Lp=454.9nm FWHM=19.5nm
Render Index:Ra=82.4 AvgR=74.8

R1 =80	R2 =89	R3 =93	R4 =79	R5 =80	R6 =83	R7 =88	
R8 =68	R9 =7	R10=72	R11=77	R12=53	R13=83	R14=96	R15=75

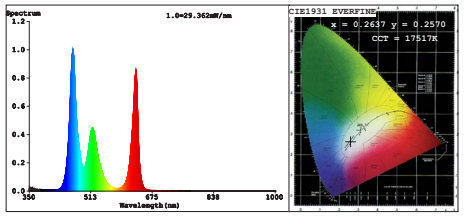
Photo Parameters:

Flux = 334.9 lm Eff. : 93.69 lm/W Fe = 1.078 W

Electrical parameters:

V = 11.998 V I = 0.2979 A P = 3.574 W PF = 1.000
LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 331 ms Ip = 44530 (68%)



Color Parameters:

Chromaticity Coordinate:x=0.2637 y=0.2570/u'=0.1898 v'=0.4163
CCT=17517K(Duv=-0.0055) Dominant WL:Ld =475.1nm Purity=31.1%
Ratio:R=25.8% G=61.0% B=13.2% Peak WL:Lp=465.8nm FWHM=19.4nm
Render Index:Ra=30.2 AvgR=25.2

R1 =2	R2 =39	R3 =66	R4 =25	R5 =27	R6 =35	R7 =47	
R8 =0	R9 =0	R10=0	R11=12	R12=41	R13=7	R14=76	R15=0

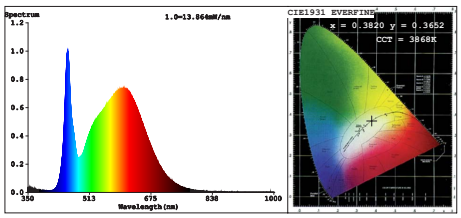
Photo Parameters:

Flux = 365.0 lm Eff. : 37.61 lm/W Fe = 1.689 W

Electrical parameters:

V = 11.998 V I = 0.8089 A P = 9.705 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 138 ms Ip = 51029 (78%)



Color Parameters:

Chromaticity Coordinate:x=0.3820 y=0.3652/u'=0.2308 v'=0.4966
CCT=3868K(Duv=-0.0059) Dominant WL:Ld =583.3nm Purity=24.2%
Ratio:R=20.0% G=76.0% B=4.0% Peak WL:Lp=455.0nm FWHM=20.2nm
Render Index:Ra=88.8 AvgR=84.7

R1 =89	R2 =95	R3 =96	R4 =86	R5 =88	R6 =90	R7 =89	
R8 =77	R9 =47	R10=86	R11=85	R12=66	R13=91	R14=98	R15=87

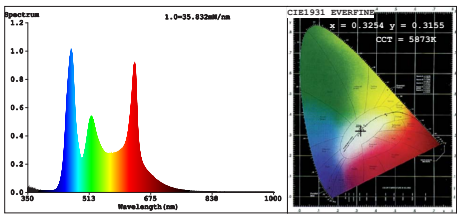
Photo Parameters:

Flux = 589.4 lm Eff. : 84.01 lm/W Fe = 1.984 W

Electrical parameters:

V = 11.998 V I = 0.5847 A P = 7.015 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 318 ms Ip = 51178 (78%)



Color Parameters:

Chromaticity Coordinate:x=0.3254 y=0.3155/u'=0.2122 v'=0.4628
CCT=5873K(Duv=-0.0104) Dominant WL:Ld =-568.7nm Purity=7.7%
Ratio:R=21.9% G=70.5% B=7.6% Peak WL:Lp=464.8nm FWHM=25.7nm
Render Index:Ra=70.7 AvgR=62.9

R1 =60	R2 =75	R3 =92	R4 =69	R5 =65	R6 =68	R7 =83	
R8 =53	R9 =0	R10=48	R11=60	R12=61	R13=62	R14=94	R15=54

Photo Parameters:

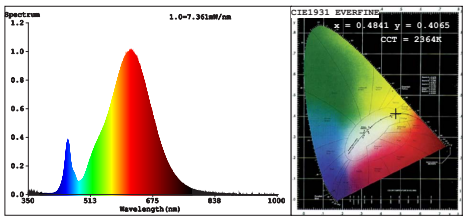
Flux = 937.3 lm Eff. : 56.57 lm/W Fe = 3.607 W

Electrical parameters:

V = 11.998 V I = 1.381 A P = 16.57 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 79 ms Ip = 35368 (54%)

SPEKTRUM TESTBERICHTE 24V



Color Parameters:

Chromaticity Coordinate:x=0.4841 y=0.4065/u'=0.2802 v'=0.5295
CCT=2364K(Duv=-0.0027) Dominant WL:Ld =587.0nm Purity=67.3%
Ratio:R=28.4% G=70.1% B=1.5% Peak WL:Lp=616.6nm FWHM=128.3nm
Render Index:Ra=83.1 CRI=78.5

R1 =82	R2 =91	R3 =97	R4 =79	R5 =81	R6 =89	R7 =83	
R8 =63	R9 =25	R10=79	R11=76	R12=72	R13=84	R14=98	R15=77

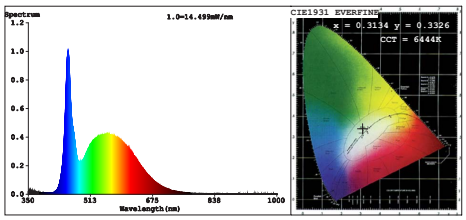
Photo Parameters:

Flux = 313.1 lm Eff. : 86.35 lm/W Fe = 1.105 W

Electrical parameters:

V = 23.997 V I = 0.1511 A P = 3.626 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 539 ms Ip = 50059 (76%)



Color Parameters:

Chromaticity Coordinate:x=0.3134 y=0.3326/u'=0.1970 v'=0.4703
CCT=6444K(Duv=0.0047) Dominant WL:Ld =491.2nm Purity=6.8%
Ratio:R=13.6% G=80.5% B=5.9% Peak WL:Lp=454.3nm FWHM=19.2nm
Render Index:Ra=84.1 CRI=77.2

R1 =82	R2 =90	R3 =93	R4 =81	R5 =82	R6 =84	R7 =89	
R8 =72	R9 =17	R10=75	R11=80	R12=54	R13=85	R14=96	R15=79

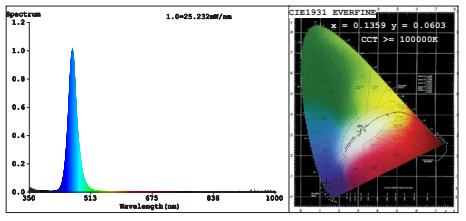
Photo Parameters:

Flux = 387.4 lm Eff. : 107.84 lm/W Fe = 1.272 W

Electrical parameters:

V = 23.997 V I = 0.1497 A P = 3.592 W PF = 1.000
LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 269 ms Ip = 45002 (69%)



Color Parameters:

Chromaticity Coordinate:x=0.1359 y=0.0603/u'=0.1575 v'=0.1573
CCT=100000K(Duv=-0.1627) Dominant WL:Ld =468.2nm Purity=96.4%
Ratio:R=0.5% G=17.6% B=81.9% Peak WL:Lp=464.1nm FWHM=23.9nm
Render Index:Ra=0.7 CRI=0.5

R1 =0	R2 =0	R3 =0	R4 =0	R5 =5	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0	R15=3

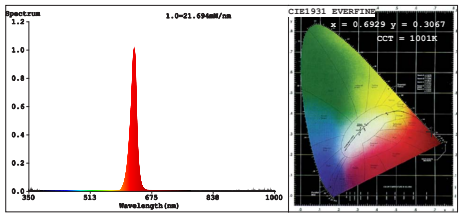
Photo Parameters:

Flux = 49.76 lm Eff. : 15.65 lm/W Fe = 737.3 mW

Electrical parameters:

V = 23.997 V I = 0.1325 A P = 3.180 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 134 ms Ip = 41979 (64%)



Color Parameters:

Chromaticity Coordinate:x=0.6929 y=0.3067/u'=0.5235 v'=0.5213
CCT=1001K(Duv=-0.0760) Dominant WL:Ld =620.8nm Purity=100.0%
Ratio:R=97.6% G=2.3% B=0.0% Peak WL:Lp=628.9nm FWHM=15.9nm
Render Index:Ra=24.8 CRI=29.0

R1 =3	R2 =78	R3 =26	R4 =0	R5 =0	R6 =91	R7 =0	
R8 =0	R9 =0	R10=72	R11=0	R12=79	R13=29	R14=57	R15=0

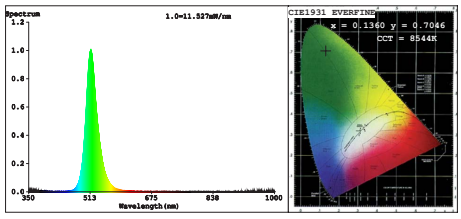
Photo Parameters:

Flux = 90.97 lm Eff. : 27.04 lm/W Fe = 421.1 mW

Electrical parameters:

V = 23.997 V I = 0.1402 A P = 3.364 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 134 ms Ip = 33014 (50%)



Color Parameters:

Chromaticity Coordinate:x=0.1360 y=0.7046/u'=0.0487 v'=0.5671
CCT=8544K(Duv=0.1648) Dominant WL:Ld =519.2nm Purity=74.4%
Ratio:R=0.3% G=95.7% B=4.0% Peak WL:Lp=514.2nm FWHM=31.4nm
Render Index:Ra=0.0 CRI=2.6

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

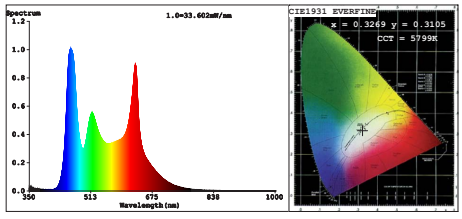
Photo Parameters:

Flux = 186.8 lm Eff. : 61.64 lm/W Fe = 433.1 mW

Electrical parameters:

V = 23.997 V I = 0.1263 A P = 3.031 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 293 ms Ip = 51171 (78%)



Color Parameters:

Chromaticity Coordinate:x=0.3269 y=0.3105/u'=0.2154 v'=0.4602
CCT=5799K(Duv=-0.0140) Dominant WL:Ld =-564.6nm Purity=8.8%
Ratio:R=21.8% G=70.7% B=7.5% Peak WL:Lp=459.7nm FWHM=30.4nm
Render Index:Ra=74.0 CRI=65.8

R1 =64	R2 =76	R3 =92	R4 =72	R5 =68	R6 =69	R7 =87	
R8 =62	R9 =0	R10=51	R11=63	R12=62	R13=65	R14=95	R15=59

Photo Parameters:

Flux = 1009 lm Eff. : 60.36 lm/W Fe = 3.913 W

Electrical parameters:

V = 23.997 V I = 0.6966 A P = 16.72 W PF = 1.000
LEVEL:OUT WHITE:OUT

Status: Integral T = 126 ms Ip = 51317 (78%)

CE ZERTIFIKAT



AN XIN TESTING CERTIFICATION • • • AN XIN TESTING CERTIFICATION

Certificate of Conformity

ANXIN TESTING

Certification No.	:	00140AX0178E
Applicant	:	LedKoning
Address	:	Rietveldenweg 49D 5222AP DEN BOSCH The Netherlands
Manufacturer	:	LedKoning
Address	:	Rietveldenweg 49D 5222AP DEN BOSCH The Netherlands
Certification Marking	:	CE-EMC
Product Description	:	LED Strip
Model	:	See Certificate p. 2
Trademark	:	N/A

The above products have been tested by us with listed standards and found in compliance with the Directive 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with this Directive.

Test Standards	:	EN IEC 55015: 2019 + A11:2020 EN 61547: 2009 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3: 2013+A1:2019+A2:2021

The certificate is based on a single evaluation of tested samples of above-mentioned product. It doe not imply an assessment of the whole production and does not permit the use of the test laborato logo.

ANXIN TESTING

CE

Authorized Signer:

Kevin Liu /Manager

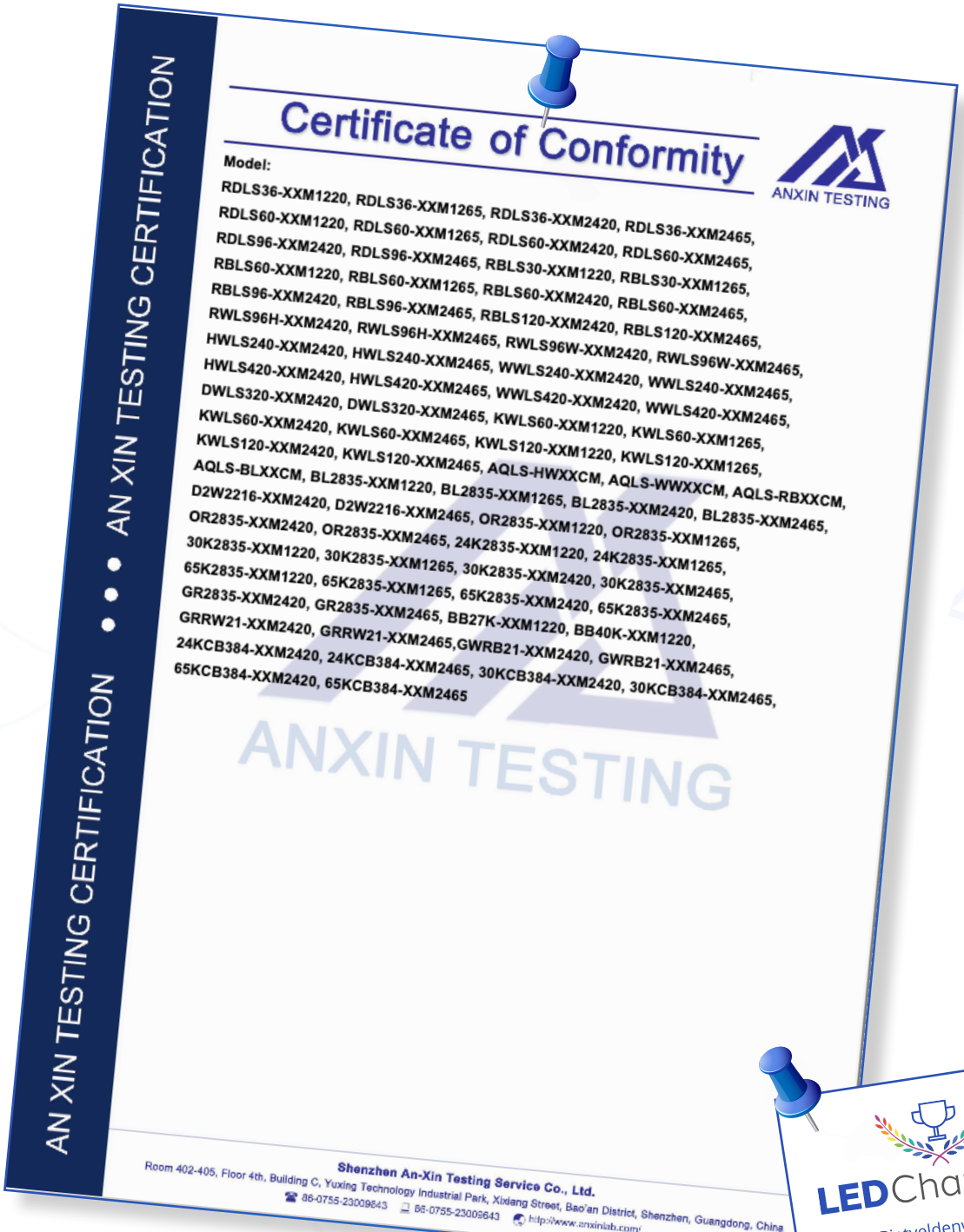
Mar. 05, 2024

Shenzhen An-Xin Testing Service Co., Ltd.

Room 402-405, Floor 4th, Building C, Yuxing Technology Industrial Park, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China

☎ 86-0755-23009643 86-0755-23009643 http://www.anxinlab.com/

CE ZERTIFIKAT



LEDChampion
Rietveldenweg 49D
5222AP Den Bosch
Niederlande/Nederland
info@ledkoning.nl
+31 73 704 11 00