



The Lightrail Blackline series is a commercial grade LED strip that produces up to 130 lumens per watt and also enables long lengths of up to 20m powered at just one end. The efficiency of this series enables your required light levels to be achieved by using up to 20% less power . For example: BL68 6.8w can match 9.6w, BL11 11w can match 14.4w and 15w will achieve a staggering 1900lm which is usually only available with some 19.2w strips. In addition to this , the high quality Samsung LED chip is only powered at around 55mA which is one third of its load capacity of 150mA. This creates maximum stability and peace of mind for your project



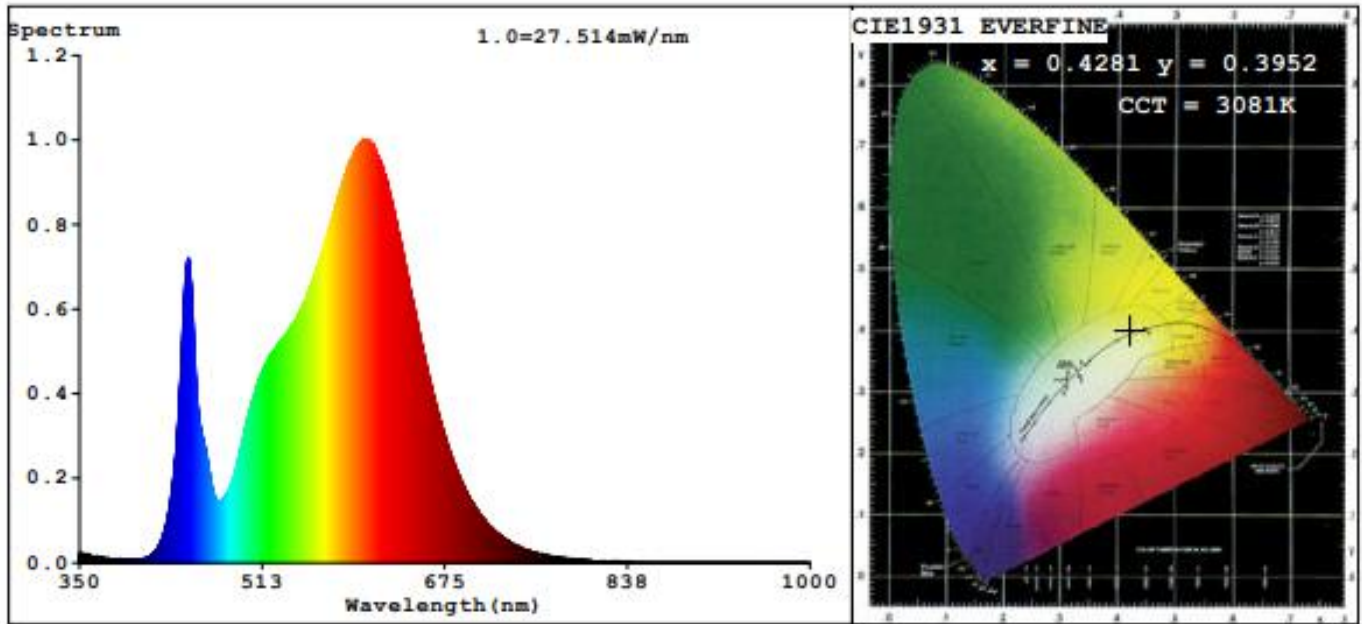


IP20 (10mm)	V	W	LED/m	COL TEMP	Approx LUMEN/M	MAX LENGTH
BL11.27K	24	11	120	2700K	1298	17m
BL11.3K	24	11	120	3000K	1320	17m
BL11.4K	24	11	120	4000K	1430	17m
BL11.6K	24	11	120	6000K	1430	17m

IP65 (10mm)	V	W	LED/m	COL TEMP	Approx LUMEN/M	MAX LENGTH
BL11.27K.IP65	24	11	120	2700K	1298	17m
BL11.3K.IP65	24	11	120	3000K	1320	17m
BL11.4K.IP65	24	11	120	4000K	1430	17m
BL11.6K.IP65	24	11	120	6000K	1430	17m

IP68 (10mm)	V	W	LED/m	COL TEMP	Approx LUMEN/M	MAX LENGTH
BL11.27K.IP68	24	11	120	2700K	1298	17m
BL11.3K.IP68	24	11	120	3000K	1320	17m
BL11.4K.IP68	24	11	120	4000K	1430	17m
BL11.6K.IP68	24	11	120	6000K	1430	17m

## BLACKLINE BL11 3000K



### Color Parameters:

Chromaticity Coordinate:  $x=0.4281$   $y=0.3952$  /  $u'=0.2486$   $v'=0.5165$   
 CCT=3081K(Duv=-0.0023) Dominant WL:Ld =583.4nm Purity=47.1%  
 Ratio:R=22.7% G=74.8% B=2.5% Peak WL:Lp=602.3nm FWHM=133.2nm  
 Render Index:Ra=83.5 AvgR=78.2

R1 =82 R2 =90 R3 =96 R4 =83 R5 =83 R6 =89 R7 =83  
 R8 =61 R9 =11 R10=78 R11=84 R12=74 R13=84 R14=98 R15=75

### Photo Parameters:

Flux = 1354 lm Eff. : 121.80 lm/W Fe = 4.154 W

### Electrical parameters:

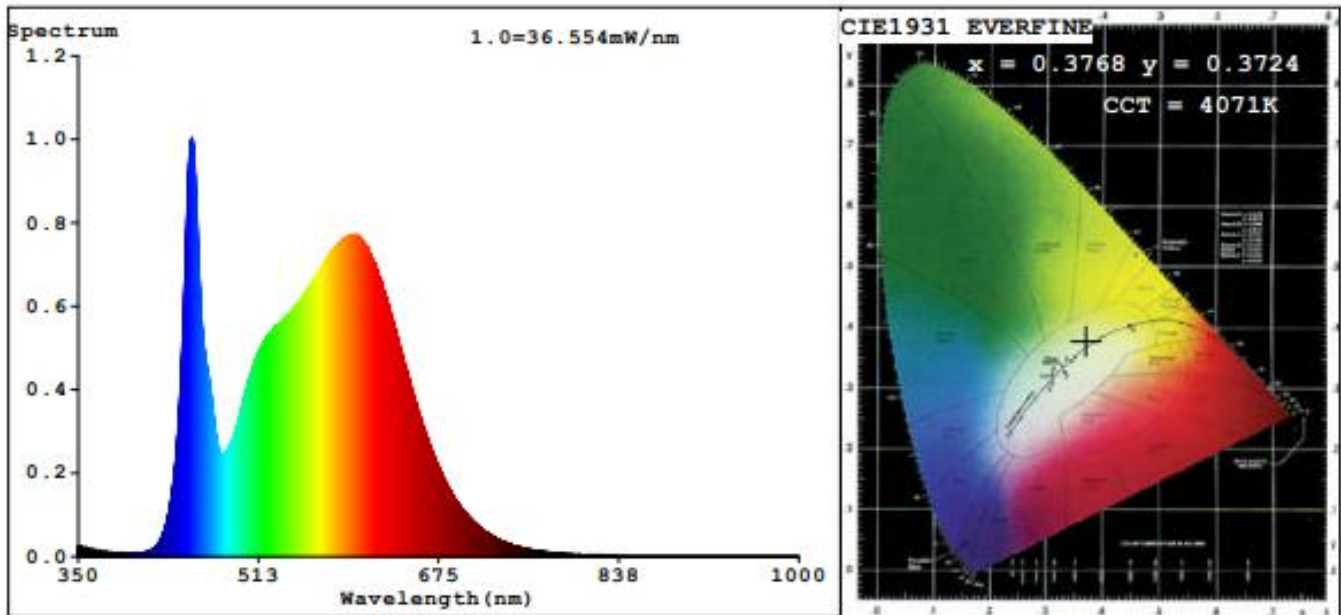
V = 23.997 V I = 0.4633 A P = 11.12 W PF = 1.000

LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 162 ms Ip = 51018 (78%)

Model:BL11.3K  
 Tester:  
 Temperature:25.3Deg  
 Manufacturer:Lightrail

Number:3  
 Date:2023-04-13 10:53:19  
 Humidity:65.0%  
 Remarks:1M

**BLACKLINE BL11 4000K****Color Parameters:**

Chromaticity Coordinate:  $x=0.3768$   $y=0.3724$  /  $u'=0.2244$   $v'=0.4991$   
 CCT=4071K(Duv=-0.0010) Dominant WL:Ld =579.4nm Purity=24.8%  
 Ratio:R=18.6% G=77.5% B=3.9% Peak WL:Lp=452.2nm FWHM=19.3nm  
 Render Index:Ra=85.4 AvgR=79.6

R1 =85 R2 =92 R3 =96 R4 =84 R5 =84 R6 =88 R7 =87  
 R8 =68 R9 =19 R10=80 R11=84 R12=63 R13=87 R14=98 R15=79

**Photo Parameters:**

Flux = 1454 lm Eff. : 131.19 lm/W Fe = 5.058 W

**Electrical parameters:**

V = 23.997 V I = 0.4616 A P = 11.08 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 100 ms Ip = 33221 (51%)

Model:BL11.4K  
 Tester:  
 Temperature:25.3Deg  
 Manufacturer:Lightrail

Number: 4  
 Date:2023-04-14 10:03:53  
 Humidity:65.0%  
 Remarks:1M