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
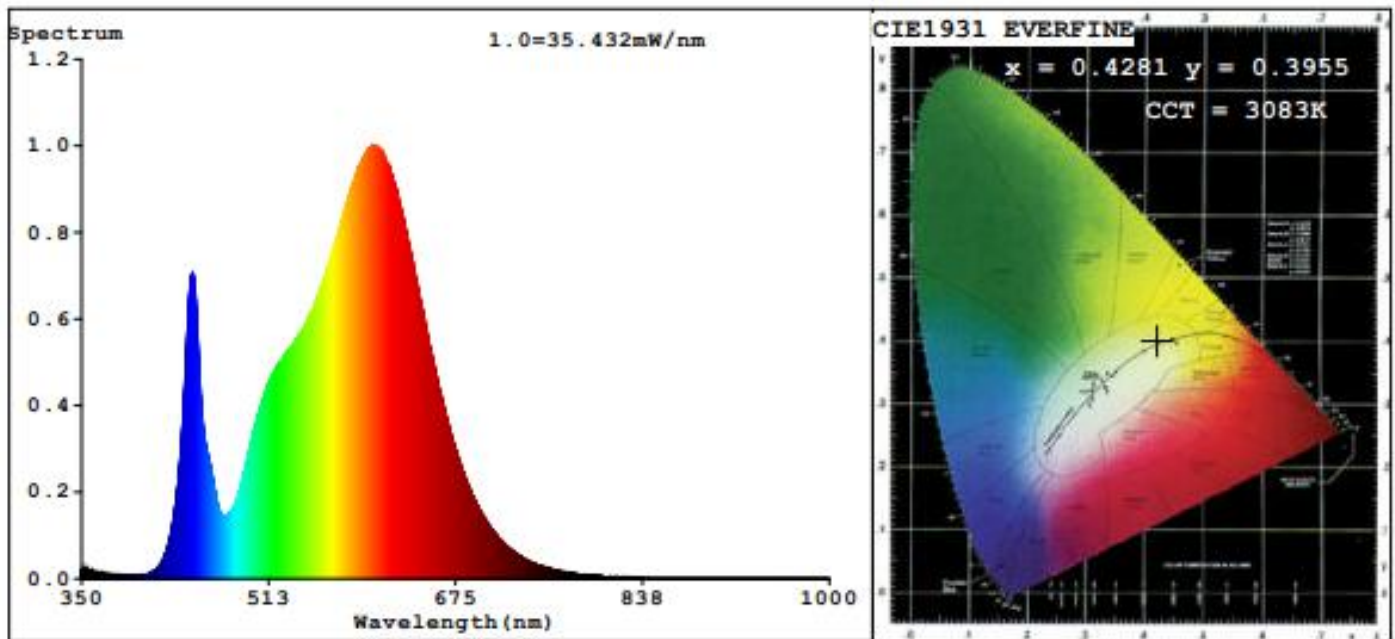
IP20 (10mm)	V	W	LED/m	COL TEMP	Approx LUMEN/M	MAX LENGTH
BL15.27K	24	15	120	2700K	1770	15m
BL15.3K	24	15	120	3000K	1800	15m
BL15.4K	24	15	120	4000K	1950	15m
BL15.6K	24	15	120	6000K	1950	15m

IP65 (10mm)	V	W	LED/m	COL TEMP	Approx LUMEN/M	MAX LENGTH
BL15.27K.IP65	24	15	120	2700K	1770	10m
BL15.3K.IP65	24	15	120	3000K	1800	10m
BL15.4K.IP65	24	15	120	4000K	1950	10m
BL15.6K.IP65	24	15	120	6000K	1950	10m

IP68 (14mm)	V	W	LED/m	COL TEMP	Approx LUMEN/M	MAX LENGTH
BL15.27K.IP68	24	15	120	2700K	1770	10m
BL15.3K.IP68	24	15	120	3000K	1800	10m
BL15.4K.IP68	24	15	120	4000K	1950	10m
BL15.6K.IP68	24	15	120	6000K	1950	10m

BLACKLINE BL15 3000K

Color Parameters:

Chromaticity Coordinate:x=0.4281 y=0.3955/u'=0.2486 v'=0.5166

CCT=3083K(Duv=-0.0022) Dominant WL:Ld =583.3nm Purity=47.2%

Ratio:R=22.7% G=74.9% B=2.5% Peak WL:Lp=602.3nm FWHM=132.8nm

Render Index:Ra=83.3   AvgR=77.9

R1 =82	R2 =90	R3 =96	R4 =83	R5 =83	R6 =88	R7 =83	
R8 =61	R9 =10	R10=78	R11=83	R12=74	R13=84	R14=98	R15=75

Photo Parameters:

Flux = 1828 lm   Eff. : 121.09 lm/W Fe = 5.339 W

Electrical parameters:

V = 23.997 V   I = 0.6291 A   P = 15.10 W PF = 1.000
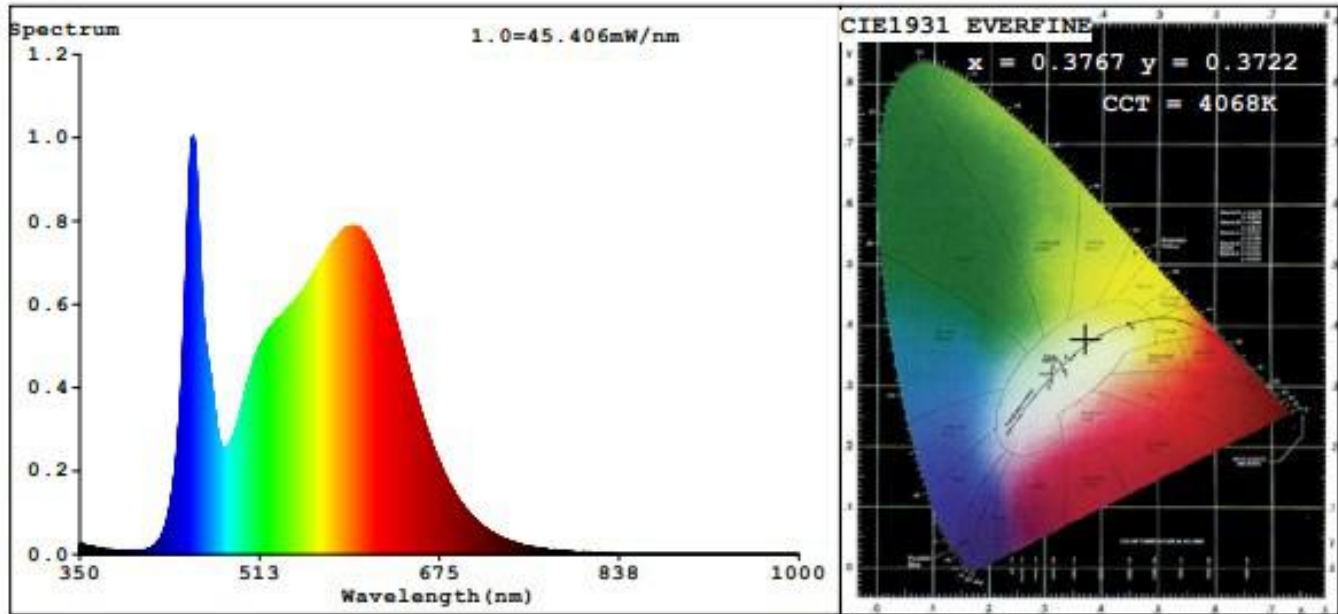
LEVEL:OUT   WHITE:ANSI_3000K

Status: Integral T = 81 ms Ip = 32885 (50%)

Model:BL15.3K	Number:5
Tester:	Date:2023-04-13 10:54:47
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:Lightrail	Remarks:1M

BLACKLINE BL15 4000K

Color Parameters:

Chromaticity Coordinate:x=0.3767   y=0.3722/u'=0.2245 v'=0.4990

CCT=4068K(Duv=-0.0011) Dominant WL:Ld =579.4nm Purity=24.7%

Ratio:R=18.6% G=77.5% B=3.9%   Peak WL:Lp=452.5nm   FWHM=20.1nm

Render Index:Ra=85.3   AvgR=79.5

R1 =84	R2 =92	R3 =96	R4 =84	R5 =84	R6 =88	R7 =87
R8 =68	R9 =19	R10=80	R11=83	R12=64	R13=87	R14=98	R15=79

Photo Parameters:

Flux = 1974 lm   Eff. : 130.81 lm/W Fe = 6.424 W

Electrical parameters:

V = 23.997 V   I = 0.6287 A   P = 15.09 W PF = 1.000

LEVEL:OUT   WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 41546 (63%)

Model:BL15.4K   Number: 6
Tester: Date:2023-04-14 10:00:31
Temperature:25.3Deg   Humidity:65.0%
Manufacturer:Lightrail   Remarks:1M